

PENSACOLA CHRISTIAN COLLEGE®

# UNDERGRADUATE

# *Catalog*

2022–2023



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**Now more than ever, the world needs educated, passionate, and dedicated Christian young people to serve in all walks of life.**

For nearly fifty years, students like you—following God’s call and eager to embrace the college experience—have found that they thrive here at PCC. Like our students, you’ll feel at home on the beautiful campus, you’ll appreciate the mentorship of our caring faculty, and form unbreakable bonds with the friendly student body God brings us. You’ll leave spiritually and academically equipped to enter the boardroom or the pulpit, the courtroom or the mission field—ready to serve God faithfully in your areas of influence.

Will you consider PCC for your college home? We would count it a privilege to help prepare you to fulfill God’s purpose for your life, and we have dedicated ourselves to do just that.

Sincerely yours,

A handwritten signature in black ink that reads "Troy A. Shoemaker". The signature is written in a cursive, flowing style.

Troy A. Shoemaker, Ed.D.  
President



# GENERAL INFORMATION

# 2022–2023 Calendar of Events

## FALL

August/September						
S	M	T	W	T	F	S
		23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24

September/October						
S	M	T	W	T	F	S
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

October/November						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

## SPRING

January						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

March						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April						
S	M	T	W	T	F	S
					1	
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May						
S	M	T	W	T	F	S
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

**August 26, Friday**  
Arrival Deadline for On-Campus Work Students

**August 28, Sunday**  
Arrival Deadline for Fall Semester\*

**August 29, Monday**  
Fall General Registration

**August 30, Tuesday**  
Fall Semester Classes Begin

**October 12–14, 17–18**  
Midterm Exams

**November 23–25**  
Thanksgiving Holiday

**December 12–15**  
Final Exams

**December 15, Thursday**  
Fall Semester Ends

**December 16–January 16**  
Interterm Online Classes

**January 21, Saturday**  
Arrival Deadline for On-Campus Work Students

**January 22, Sunday**  
Arrival Deadline for Spring Semester\*

**January 23, Monday**  
Spring General Registration

**January 24, Tuesday**  
Spring Semester Classes Begin

**February 20–22**  
Bible Conference

**March 10, 13–16**  
Midterm Exams

**April 7–10**  
Easter Holiday

**May 8–11**  
Final Exams

**May 12, Friday**  
Commencement/Spring Semester Ends

**May 12–August 11**  
Summer Online Classes

For additional dates, visit  
[pcci.edu/Calendar](http://pcci.edu/Calendar)

\*All students must arrive on campus by 2 p.m.

## The Record

**Pensacola Christian College** was an idea that came from God. This idea became a reality in 1974 when 100 students arrived at PCC's one building. Forty-eight years later, students now represent every state and approximately 50 foreign countries. PCC offers a wide variety of programs in some of the finest college facilities in America. Although PCC has grown, excellence in education and commitment to the Lord remain the core of the College's balanced program.

**Pensacola Theological Seminary** was founded in 1998 when PCC saw the need to expand its practical, Bible-centered approach to ministerial training. The goal of the Seminary is to fill each student's mind and heart with what the Bible says. The purpose of the Seminary is to prepare servant-leaders to share the gospel boldly, preach the Word clearly, and shepherd the flock faithfully.

## Ministries of PCC

- ***Rejoice Radio*** reaches our campus, community, nation, and world for the Lord. You can listen to *Rejoice Radio* on WPCS (89.5 FM), online at [Rejoice.org](http://Rejoice.org), on our smartphone app, or over 40 stations around the country. While online, be sure to check out our other genre-based *Rejoice Radio* streaming channels: *Timeless Praise*, *Still Waters*, *Old Country Church*, *Rejoice Pulpit*, and *Seasons*. *Rejoice Radio* is commercial-free and relies solely on listener gifts and donations.
- ***Rejoice in the Lord***, the weekly telecast of Campus Church services, features inspirational music and heartwarming Bible messages on television stations across the nation and around the world by Internet.

## Affiliates of PCC

- **Abeka Academy Video Streaming or DVD** enrolls thousands of homeschoolers annually. More than 9,000 students in Christian schools across the nation receive instruction from the master teachers of Pensacola Christian Academy via video.
- **Abeka** produces daily curriculums and more than 1,000 character-building textbooks and teaching materials. More than 10,000 Christian schools across America use Abeka textbooks. Abeka also hosts annual clinics and seminars, giving practical helps for Christian schools.
- ***Joyful Life*** Bible study and Sunday school materials are used by hundreds of churches for their toddler through adult classes.

- **Pensacola Christian Academy** is one of the largest independent schools of its kind in the nation. PCA operates from a single 240,000-square-foot complex that houses grades K–12.

### **Campus Church**

This local church meets on the college campus, partnering with PCC to minister to the college community and Pensacola area residents through sound biblical preaching, uplifting music, evangelistic opportunities, and support of worldwide missions.

### **Mission and Purpose**

Pensacola Christian College was founded in 1974 under the leadership of Arlin and Beka Horton. God called this institution into existence for His glory. The goal was to train young men and women in higher education for a life of service to Jesus Christ. The founders' vision for PCC continues to the present.

Our **mission** is to promote the cause of Christ by providing a distinctively Christian-traditional, liberal arts education that develops students spiritually, intellectually, morally, culturally, and socially.

Our **purpose** in both undergraduate and graduate programs is to produce Christian leaders who are knowledgeable, articulate, moral, dedicated to excellence, and committed to serving Jesus Christ as they learn to influence the world by applying biblical principles in their chosen field and daily life.

### **Articles of Faith**

- We believe that the Bible is the verbally inspired and infallible, authoritative Word of God and that God gave the words of Scripture by inspiration without error in the original autographs (*2 Tim. 3:16–17, 2 Peter 1:21*). God promises that He will preserve His Word; Jesus said, *"My words shall not pass away"* (*Matt. 24:35*). We believe that God has kept that promise by preserving His infallible Word in the traditional Hebrew and Greek manuscripts and that the Authorized Version (KJV) is an accurate English translation of the preserved Word of God.
- We believe that there is one triune God, eternally existent in the persons of Father, Son (Jesus Christ), and Holy Spirit; these three are one in essence, but distinct in person and function (*Matt. 28:19, 1 John 5:7–8*).

- We believe that Jesus Christ, the Second Person of the Trinity, became for mankind the physical manifestation of the Godhead (*John 1:14, 14:9; Col. 1:19*). The earthly genealogy of Jesus may be traced through Joseph's line to Abraham (*Matt. 1:1–16*) and through Mary's line to Adam (*Luke 3:23–38*). We believe in His virgin birth, sinless life, miracles, vicarious and atoning death through His shed blood, and His bodily resurrection.
- We believe in the burial, bodily Resurrection of Jesus Christ from the tomb, and His ascension into Heaven (*Mark 16:6, 19; 1 Cor. 15:1–4*).
- We affirm that the Holy Spirit is the Third Person of the Trinity, the Agent of conviction, regeneration, indwelling, baptism, sanctification, and illumination of all who are born into God's family through Jesus Christ (*John 3:5–6, Eph. 1:13–14*). We are opposed to the charismatic movement and its sign manifestations, such as speaking in tongues.
- We believe that God created the heavens and the earth in six literal days, and that God created all life (*Gen. 1*). We reject the man-made theory of evolution occurring over millions of years and believe that the earth is approximately 6,000 years old (*Gen. 5, 11*). We believe that God created man in His own image, but man chose to sin. Hence, all persons inherit a depraved nature and are lost sinners in need of salvation (*Romans 3:10, 23*).
- We believe that God created man and woman in His image and instituted marriage between one who is genetically male and one who is genetically female (*Gen. 2:18–24*). Marriage is a sacred, exclusive union between a man and woman and serves as a picture of Christ's relationship with the church (*Matt. 19:3–12, Eph. 5:22–33*). We believe that God has commanded that sexual activity be exclusively reserved to a man and a woman who are legally married to each other; and that Scripture forbids any form of sexual immorality including adultery, fornication, homosexuality, bestiality, incest, and use of pornography (*Matt. 5:27–28, 15:18–20; 1 Cor. 6:9–11 & 18, 7:1–5; Heb. 13:4*).
- We believe that Christ's blood, shed on Calvary, is the only Atonement for man's sin (*John 14:6, 1 Pet. 1:18–19, 1 John 1:9*). We believe that salvation is a free gift of God for "whosoever will"; it is by grace, through faith, plus nothing, and believers are eternally secure (*John 10:27–28, Eph. 2:8–10*). Salvation is received only by personal faith in the Lord Jesus Christ and His finished work. "Whosoever will" may come to Christ; God does not pre-elect persons to heaven or hell (*Rom. 10:13, Rev. 22:17*).



- We believe in the spiritual unity of the body of Christ, called the church. It is composed of all born-again believers who have by faith accepted Jesus Christ as Savior (*Eph. 2:8–22, 3:1–21, 4:4–16, 5:23–32*). God has ordained the local church for the perpetuation of His truth and work in the world (*1 Tim. 3:15*). The two ordinances of the local church are baptism by immersion and a regular observance of the Lord’s Supper by believers (*Matt. 28:19; 1 Cor. 11:23–28*).
- We believe the Scripture regarding Satan, who rebelled against God and was cast out of heaven with a host of angels who followed him (*Isa. 14:13–15*). He introduced sin to Adam and Eve in the garden of Eden (*Gen. 3:1–13*). He continues to turn people from truth and against God (*1 Pet. 5:8*). Eternal hell was created for Satan, his demons, and people who do not believe in the Lord Jesus Christ for salvation (*Matt. 25:41, John 3:16, Rev. 20:15*).
- We believe that the believer is called to a life of consecration which requires increasing in the knowledge of Christ and growing in grace (*John 15:4–5, Col. 1:10, 2 Pet. 3:18*).
- We believe that the will of God for all believers is to give evidence of sanctification through being honorable in all relations with others (*Rom. 12:1–2, 1 Thes. 4:3, James 1:27*).
- We believe in the resurrection of both the saved and the lost: those that are saved unto the resurrection of eternal life in heaven, and those that are lost unto the resurrection of eternal damnation in a literal lake of fire (*John 5:28–29; 1 Cor. 15:12–20, 35–58; Rev. 20:10, 15*).
- We believe in the imminent, pre-Tribulation return of Jesus Christ for all believers (*1 Thes. 4:13–17*). The Rapture of the saints will be followed by a seven-year Tribulation, after which Christ will return in glory to judge the world and set up His millennial reign on earth (*Rev. 20:1–3, 21:1–5*).

These Articles of Faith do not exhaust the extent of beliefs or practices of Pensacola Christian College. The Bible, as the inspired and infallible Word of God, is the final authority of all that we believe concerning truth, morality, and the proper conduct of mankind. For the purposes of the College’s doctrine, practice, policy, and discipline, the Board of Directors is ultimately responsible for interpreting the meaning and application of Scripture.

Without meaning to be unfriendly or unkind, we feel it only fair to say that Pensacola Christian is not a part of the “tongues movement” and does not allow students to participate in or promote any charismatic activities, nor do we permit students to promote hyper-Calvinism.

Pensacola Christian College is committed to the plenary, verbal inspiration of the Bible, and it is our practice to use only the Authorized Version (KJV) in the pulpit and in classroom instruction. We believe the Textus Receptus is a superior text, and it is used for Greek instruction.

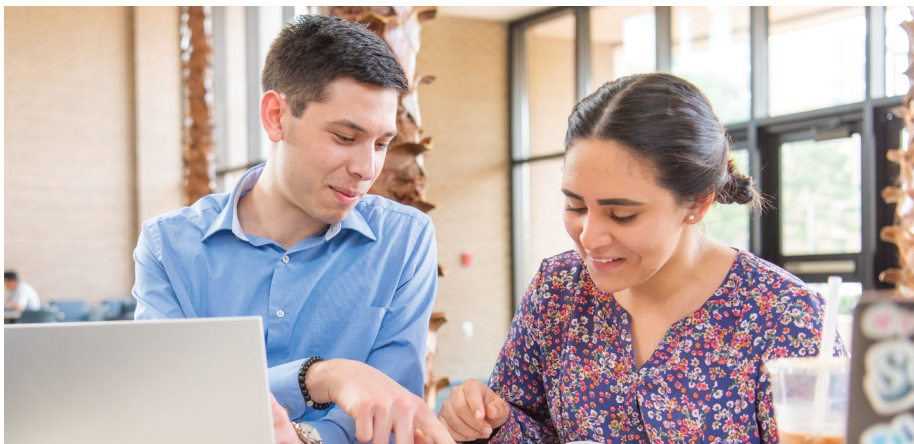
The College serves a constituency of churches across America which is primarily independent Baptist. Faculty, staff, and students attend Campus Church, which operates on campus as an independent Baptist church in both faith and practice.

## Philosophy of Education

Pensacola Christian College maintains a Christian-traditional philosophy of education in contrast to humanistic, progressive systems of education. This philosophy is based on the Word of God and is rooted in objective reality and absolutes, as opposed to relativism. The Christian-traditional philosophy provides students the programs and methods of studies that impart Christian character development, communication skills, and subject matter in harmony with the inspired Word of God, which is *“profitable for doctrine, for reproof, for correction, for instruction in righteousness: that the man of God may be perfect, thoroughly furnished unto all good works”* (2 Tim. 3:16–17).

We believe that the content of Christian education must be in harmony with *“whatsoever things are true, . . . honest, . . . just, . . . pure, . . . lovely, [and] of good report”* (Phil. 4:8). We believe that classroom methods should be faculty-directed (Deut. 6:7), with content building from known to unknown (Isa. 28:10) and the student acquiring knowledge through studying (2 Tim. 2:15, Prov. 2:3–5), researching (Prov. 25:2), reasoning (Rom. 12:2, 1 Thess. 5:21, 1 Jn. 4:1), explaining, and relating.

A Christian-traditional philosophy of education reflects the true view of God and man provided in Scripture. God is an orderly Personality (1 Cor. 14:40). He created man and the universe and is the Author of order, reason, and reality that are reflected in the universe (Jn. 1:3, Rom. 1:19–20). All truth is God’s truth (Dan. 2:21, Ps. 119:104–105, Col. 2:3).



Christian education must deal with the social and the spiritual, as well as the academic, dimensions of the student. Academic programs of Pensacola Christian College are only a part of the educational process of college life. The essence of a disciple of Christ is self-denial (*Titus 2:12*) and self-discipline. The chapel platform and Campus Church pulpit are vital in the Christian training program. Classroom instruction supports and reinforces that training. Students are taught the Christian philosophy of life so that they are armed *“lest any man spoil [them] through philosophy and vain deceit” (Col. 2:8)*.

Through Christian education, the student must be brought to *“unity of the faith, and of the knowledge of the Son of God, unto a perfect man, unto the measure of the stature of the fulness of Christ” (Eph. 4:13)*. The graduate is then able to be an effective witness for Christ and is academically equipped in a free society to manifest the fruit of the Spirit in daily life.

## **Values and Standards**

Pensacola Christian College is committed to excellence as a Christian educational institution which glorifies Christ as the source of all wisdom and knowledge, and which educates students based on biblical values. The administration, faculty, and staff are dedicated to empowering Christian leaders to influence the world for Christ.

Having a sense of the need for an environment conducive to spiritual growth has led Pensacola Christian College to adopt standards consistent with values that promote the spiritual welfare of all students. Each member of the college community must conduct himself according to moral and ethical principles found in Scripture.



## Objectives and Learning Outcomes

In keeping with its mission and purpose, PCC's objective is that each student will meet the following learning outcomes.

**Spiritual:** From classes, chapel, and church services, the students will be able to

- show a working knowledge of the Bible in line with the Articles of Faith
- share the gospel of Christ with others and the world
- explain biblical teaching regarding the God-ordained institutions of the home, church, and government
- apply the principles, truths, and values of God's Word in their chosen fields and daily lives

**Intellectual:** Through instruction and practical training from a biblical worldview, the students will be able to

- employ a general education in the liberal arts (*studies that provide a broad base of general knowledge and that develop intellectual capacity*)
- demonstrate college-level knowledge in their chosen fields
- apply knowledge in practical experiences in their chosen fields
- enter further graduate or professional studies

**Moral:** Through a variety of ministry outlets, the students will be able to

- exhibit a sensitivity to the spiritual needs of the world
- display Christian character

**Cultural and Social:** With a wide range of scheduled events—required and optional—the students will be able to

- cultivate an appreciation of fine arts and social skills
- exhibit their commitment to the Christian way of life through adherence to the Code of Conduct
- demonstrate courtesy and kindness
- serve the needs of others through voluntary ministry and service opportunities

## Accreditation and Authorization

Pensacola Christian College is a member of the Transnational Association of Christian Colleges and Schools (TRACS) [15935 Forest Road, Forest, VA 24551; Telephone: 434-525-9539; email: [info@tracs.org](mailto:info@tracs.org)] having been awarded Reaffirmation I of its Accredited Status as a Category IV institution by the TRACS Accreditation Commission on April 24, 2018. This status is effective for a period of ten years. TRACS is recognized by the United States Department of Education (USDOE), the Council for Higher Education Accreditation (CHEA), and the International Network for Quality Assurance Agencies in Higher Education (INQAAHE).

The baccalaureate and master’s degrees in nursing at Pensacola Christian College are accredited by the Commission on Collegiate Nursing Education ([www.ccneaccreditation.org](http://www.ccneaccreditation.org)).

The baccalaureate degree in engineering at Pensacola Christian College is accredited by the Engineering Accreditation Commission of ABET ([www.abet.org](http://www.abet.org)).

PCC meets the criteria of Section 1005.06 (1) (e), Florida Statutes, holding a status of not requiring licensure from the Florida Commission for Independent Education.

## College Life

Pensacola Christian is alive with activities that supplement a student’s education and provide a break from classroom routine.

## Spiritual Growth and Development

It is the desire of the College to provide an atmosphere conducive to spiritual growth that encourages students to develop and maintain a personal relationship with the Lord. Active involvement in ministry outreach is encouraged.

**Prayer Meetings:** In the residence halls, students meet up to three times per week to pray together with other students on their hall. In addition, Mission Prayer Band, Homefront, and other voluntary student groups meet to pray weekly for specific needs in our nation and around the world.

**Chapel Services:** College chapel meets four times each week and is a source of spiritual exhortation and enrichment, vital to Christian growth. Each year, outstanding evangelists, pastors, and missionaries preach in chapel.

**Campus Church:** The center of spiritual vibrancy is the warm local church atmosphere of Campus Church, which operates on campus as an independent Baptist church. The pastor and other church staff acquaint students with the workings of a separated, Bible-believing church and encourage them in their worship and service for the Lord.

Faculty, staff, and their families—as well as many local townspeople—join the college students in Sunday morning and evening and Wednesday evening services. College students who have moved to the area to attend PCC are not considered permanent residents and are therefore expected to attend all the services of Campus Church.

**Christian Service:** PCC provides numerous opportunities for students to serve Christ in the community. Weekend activities include children’s and teen ministries, nursing home services, door-to-door evangelism, and work in nearby churches. Participation in Christian service is encouraged and is a practical application of the spiritual training students receive in the classroom. These activities help prepare students for a life of Christian service and soulwinning.

## **Campus Life**

**Location:** Just off the warm emerald waters of Florida’s Gulf Coast, Pensacola is in northwest Florida in the Central Time Zone. PCC is located just off I-110 on Brent Lane, 12.5 miles from the Gulf of Mexico.

**Living Facilities:** The residence hall is a “home away from home” that provides spiritual fellowship and Christian friendship. Each room is completely carpeted and air-conditioned with a private or adjoining bath. All single, undergraduate students under 23 years of age who are not living with their parents are required to reside in the residence halls. Residence hall living space is not available for married students or their families.

**Social Life:** A variety of activities allows students to build lasting friendships. Student outings, class parties, collegian events, and Eagles home games provide fun and fellowship for large groups, with snow-white Pensacola Beach, state parks, or camps as favorite scenic backdrops. Students have many opportunities to meet friends.

The Commons is a favorite place to relax and connect. On-campus athletic facilities provide fun with friends enjoying tennis, bowling, miniature golf, table tennis, ice skating, rock climbing, water slides, FlowRider, inline skating, racquetball, and basketball.

**Automobiles:** Any college student may have an automobile on campus. Students must have proof of insurance coverage and must pay a fee to register their cars with the College Office.

### **Getting Involved**

**Musical Opportunities:** Students with musical talent find many enjoyable ways in which to use their abilities. Choirs and ensembles provide singing opportunities, while instrumentalists can perform with orchestra; symphonic band; handbell choir; and brass, woodwind, and strings ensembles. Plus, students desiring to develop their musical abilities and appreciation will find that the faculty provide instruction in a variety of musical areas.

**Special Activities:** Each month is dotted with special events. Sunday Reflections services present a professionally staged program of sacred music and speech. Many fine arts concerts are planned, and music and speech recitals are cultural highlights. A favorite second-semester event is Bible Conference, which gives students a break from classes and exposes them to the strong biblical teaching of some of America's finest Bible teachers, preachers, and evangelists.

**Athletics:** PCC provides physical education courses and athletic facilities for students' benefit and enjoyment. Men's and women's collegians provide the framework for intramural competition in soccer, tennis, volleyball, softball, basketball, table tennis, track and field, bowling, swimming, racquetball, wallyball, broom ice hockey, water polo, sailing, kayaking, golf, and men's flag football. The Pensacola Christian College Eagles compete in intercollegiate basketball and soccer, and the Lady Eagles compete in intercollegiate volleyball and basketball as members in the NCCAA.

## Student Care

Through the Student Care Office, students can receive biblical guidance and counseling, make appointments for academic support or financial advising, and get help finding answers to other questions.

**Academic Success:** The Academic Success Office is available to help students develop effective study habits, test-taking strategies, time-management skills, and other skills that contribute to general academic success. In addition, this office connects students with tutors in a variety of subjects.

**Health Services:** PCC's Graf Clinic, staffed by medical professionals with Baptist Medical Group of Pensacola, provides students with health care during regular clinic hours for minor illnesses and injuries. Fees incurred for on-campus labs, diagnostic testing, and pharmaceuticals will be applied to the student's account at the time of service. After-hours health needs and serious illnesses or injuries are referred to off-campus medical facilities associated with one of three area hospitals.

PCC does not accept responsibility for illness or accident on or off campus, in PE classes, extracurricular games, varsity sports, or any other sports activity. Students use school facilities and participate in school-directed or school-related activities at their own risk.

PCC does not accept financial responsibility or provide insurance for students needing emergency medical care, hospitalization, or off-campus medical attention. Students are responsible either to provide their own health insurance coverage or coverage through their parents or to pay the cost themselves.

## Career Services

Career Services assists students by preparing them for the job search, connecting them with internship opportunities, offering professional mentorship, and helping them find employment after graduation. This is done through our Career Services platform, on-campus recruiting, the Alumni Association, and several recruiting events hosted in the spring semester. Students can also make appointments to meet with a Career Services advisor for résumé review and interview preparation. The Career Services platform provides a number of tools and resources that are available to current PCC students and alumni.



## Standards of Conduct

### Biblical Principles

The Bible is the final authority for all things and the means by which God provides principles for living in a way that protects from harmful thinking and behavior. Scripture clearly teaches how Christians are to live. In light of the wonderful gift of salvation, we are to live our lives in active pursuit of a lifestyle that keeps us pure and clean before God with careful attention to avoiding anything that detracts from our relationship with Christ (*Titus 2:11–14, Rom. 12:1–2, Phil. 4:8*).

In light of these principles, PCC has adopted standards to promote an environment that is conducive to academic, social, and spiritual growth. Where the Bible directly addresses a matter, standards are set accordingly. However, since God’s Word does not mention every aspect of college life, biblical principles are followed and conservative expectations have been established to encourage right Christian living.

Additional information regarding expected behavior and prohibited activities is available in the [Student Handbook](#).

Prospective students are welcome to call the Admissions Office for answers to specific questions regarding student life (1-800-PCC-INFO) or visit the College to experience typical student life on campus.

### Appeals and Grievances

Students have the right to expect the College to uphold its policies and to administer them accurately and equitably. If a student wishes to contest an academic or disciplinary decision, he may file an appeal or grievance without fear of retaliation or recrimination.

#### Academic Appeals

Any student has the opportunity to contest matters that affect academic standing. If necessary, an Academic Appeals Committee will review facts related to the case and make a final determination. An Academic Appeals Committee is composed of at least three members including deans, department chairs, and Academic Vice President. The College Office maintains case records in the student’s file.

#### Disciplinary Appeals

Any student has the opportunity to appeal matters that affect student conduct violations. If necessary, students may submit a written appeal to the Dean of Men or Dean of Women within two weeks. The Appeal

Committee is composed of a student, a faculty representative, and a representative from Student Life. The College Office maintains case records in the student's file.

## **Grievances**

It is the intent of the ministry to treat all students equitably according to established college policies. Each student has the opportunity to file a grievance. Accordingly, this grievance procedure is designed to inform appropriate people when problems develop so that due process is followed and satisfactory solutions can be reached.

A grievance is defined as any situation or action personally affecting a student that was a result of a violation, mishandling, or misapplication of any specific provision stated in policy, rule, statute, or regulation of the college. Requests for reconsideration of decisions that affect a student's status in keeping with standing policies are not grievances and should be handled through the appeals process.

Grievances should be resolved at the lowest level possible. Most matters of student concern can be resolved informally and would not result in a formal grievance being filed. A student is expected to first discuss the problem with the direct supervisor of the given area and allow a reasonable opportunity for the problem to be resolved. Having done that without satisfactory results, it would then be appropriate to proceed with the grievance report procedure, if the student desires, without fear of retribution.

The student may obtain a Student Grievance Report from the Student Care Office. The student will return the form explaining the problem to the Student Care Office within two weeks of the occurrence in question. Failure by the student to comply with this time limit will constitute a waiver of the grievance. The committee will meet with the student and a response will be given within two weeks of the grievance being submitted, with the exception of winter and summer breaks. The Student Care Office maintains all records regarding grievances.

Inquiries regarding compliance with accreditation policies and standards may be directed to TRACS [15935 Forest Road, Forest, VA 24551; telephone: 434-525-9539; email: [info@tracs.org](mailto:info@tracs.org)].



STUDENT WORK OPPORTUNITIES

# FINANCIAL INFORMATION

## Basic Cost

	Cost per Semester		Cost per Payment	
	Residence Hall	Full-Time Town	Residence Hall	Full-Time Town
Tuition	\$4,026.00	\$4,026.00	\$1,006.50	\$1,006.50
Room and Board	2,129.00	—	532.25	—
Health Services Fee	165.00	—	41.25	—
International Student Processing Fee <sup>1</sup>	100.00	100.00	—	—
Security Deposit <sup>2</sup>	50.00	50.00	50.00 <sup>1</sup>	50.00 <sup>1</sup>

Academic Program Fee<sup>3</sup>

<sup>1</sup>Applicable for all international students; complete details under International Students (p. 22).

<sup>2</sup>One time only; complete details under Security Deposit (p. 20).

<sup>3</sup>See Academic Program Fee (p. 21).

### Online Courses, Internships, Practicums

Tuition (per credit hour)	335.50
Access and Technology Fee (per course)	
Online-Learning Courses	170.00
Internships and Practicums	30.00

### Online Dual Enrollment Courses

Application Fee	30.00
Tuition (per credit hour)	200.00
Drop/Add/Change of Course Fee	10.00
Late Registration Fee	25.00

### Pre-term, Interterm, Post-term

Tuition (per credit hour)	335.50
Room and Board	448.00

### Conditional Fees

#### Vehicle Registration (per semester)

Car—residence hall	100.00
Car—town student	85.00
Motorcycle—residence hall	50.00
Motorcycle—town student	42.50
Bicycle	10.00
Late Vehicle Registration Fee	15.00

#### Registration, Records, and Business Office

Drop/Add/Change of Course Fee	10.00
Change of Major/Minor	10.00
Early Arrival (per day)	32.00

Late Arrival Fee	50.00
Late Departure (per day)	32.00
Late Registration Fee	50.00
Late Exam Fee (per exam)	10.00
Exam Time Change Fee (per exam)	50.00
Testing Center Fee (per test)	10.00
ACT residual testing (if required)	60.00
Returned Check Fee	25.00
PCC Card Replacement Fee	7.50
Student Record Copies	
Paper (per copy)	5.00
Electronic (per request)	3.00

#### Online Learning

Drop/Add/Change of Course Fee	10.00
Late Registration Fee	25.00
Online-Learning Testing Fee	50.00
Proctor Verification Fee	10.00

#### Graduation\*

Petition for Graduation Fee	80.00
Late Petition for Graduation Fee	25.00
Diploma Reorder Fee	20.00

\*December graduates pay graduation fees with November 21 payment; May graduates pay graduation fees with April 17 payment.

All costs are subject to change.

## Application Fee and Reservation Deposit

A \$50 Application Fee must accompany each admission application and is nonrefundable and nontransferable. Applicants must also pay a Reservation Deposit which is nonrefundable and nontransferable unless the applicant initiates cancellation and submits a written refund request

within three working days of the payment and before classes begin. The Reservation Deposit will be credited to the student's account on the Sept. 26, 2022/Feb. 20, 2023 statement. The date the Reservation Deposit is paid determines the amount paid (see table below). International students must pay the Reservation Deposit at the time of application.

<b>Reservation Deposit</b>	<b>Fall 2022</b>	<b>Spring 2023</b>
\$125	on or before June 30	on or before December 31
\$125 + \$25 late fee	July 1–August 20	January 1–14

### **Tuition**

The \$4,026 tuition per semester allows the student to register for up to 17 semester hours without an overload charge. Additional hours above 17 are charged at the rate of \$268.40 per hour for credit or \$134.20 per hour to audit. Part-time students (taking 11 hours or fewer per semester) are charged at the rate of \$335.50 per hour for credit or \$167.50 per hour to audit. Residence hall students are expected to take a minimum of 12 semester hours; in the rare event that a residence hall student is granted permission to take fewer than 12 hours, he is still classified as full-time financially as well as academically. Tuition covers fees for library access, Fine Arts Series, athletic events, yearbook, and collegian and class dues.

### **Room and Board**

The \$2,129 room and board per semester provides residence hall students with lodging and meals beginning with the fall/spring semester arrival deadline through the semester end date. The PCC room and board plan is a flat rate per semester that cannot be reduced for lack of use by active students.

### **Health Services Fee**

Resident students will be charged a health services fee of \$170 per semester which covers the cost of on-site medical appointments and transportation to off-site medical appointments when needed. Nonresident students needing to see the medical doctor may do so for a fee of \$20 per visit. Resident and nonresident students who incur fees for on-campus labs, diagnostic testing, and pharmaceuticals will have these charges applied to their account at the time of service. After-hours health needs and serious illnesses or injuries are referred to off-campus medical facilities associated with one of three area hospitals.

### **Security Deposit**

Each new undergraduate and Academy student is required to place with the College a Security Deposit of \$50 for unpaid breakage costs,

property damage, or account charges. The Security Deposit will be applied to the student's account after the termination of enrollment to cover any outstanding balance, and then the remainder will be refunded.

### Academic Program Fee

The Academic Program Fee is paid with the 2nd, 3rd, and 4th payments each semester. This fee varies from one program of study to another. Some majors require courses that use special facilities or equipment; therefore, the fee reflects that usage. Academic Program Fee charges are assessed according to the declared major at the end of the drop/add period and are listed in the catalog with each major. Part-time students pay a prorated fee based on the number of credits taken. Students with a double major pay the larger program fee plus half of the smaller. Students with an undeclared major pay a fee of \$25 per semester (3 payments of \$8.33).

### Music Course Fees

Music course fees underwrite the cost for personalized music instruction and are paid by all who are registered for the following courses at the end of the drop/add period:

Private Lessons ....	\$175–\$350	Group Instruction.....	\$87.50–\$175
(brass, harp, hymnplaying, percussion, piano, strings, voice, woodwind)			

### Payment Plan

The basic cost may be paid by the semester. A payment plan of four payments each semester is also available to students who are U.S. or Canadian citizens or who are U.S. permanent resident cardholders. Payments may be made by check, money order, Visa, MasterCard, Discover, American Express, or PCC Card. Payments may be charged automatically to a credit card for students who apply for this service. Please note: We are unable to accept postdated checks or to hold checks. The August 1 [January 16] payment must be paid in order to be eligible for class registration.

#### Installment Payment Schedule

##### Fall

1 <sup>st</sup> payment	August 1, 2022
2 <sup>nd</sup> payment	September 26, 2022
3 <sup>rd</sup> payment	October 24, 2022
4 <sup>th</sup> payment	November 21, 2022

##### Spring

1 <sup>st</sup> payment	January 16, 2023
2 <sup>nd</sup> payment	February 20, 2023
3 <sup>rd</sup> payment	March 20, 2023
4 <sup>th</sup> payment	April 17, 2023

#### Work Assistance Earnings Schedule

##### Fall

1 <sup>st</sup> earnings	October 4, 2022
2 <sup>nd</sup> earnings	November 1, 2022
3 <sup>rd</sup> earnings	November 30, 2022
4 <sup>th</sup> earnings	December 27, 2022

##### Spring

1 <sup>st</sup> earnings	February 28, 2023
2 <sup>nd</sup> earnings	March 28, 2023
3 <sup>rd</sup> earnings	April 25, 2023
4 <sup>th</sup> earnings	May 23, 2023

Midterm or final exams may not be taken unless a student's account is up to date. Students paying their accounts more than 10 days late will be charged a \$15 late fee. Students with accounts more than 11 days in arrears may not be allowed to attend class and will have their grades withheld until their accounts are made current. If after students have missed 5 class days their accounts are still not current, they may be required to discontinue enrollment.

### **Payment Schedule for Part-Time Town Students**

Town students who are enrolled for fewer than 12 credit hours per semester should contact the Business Office for specific financial details concerning their account.

### **Academy Boarding Students**

Tuition per semester is \$4,026. Annual tuition may be paid in ten payments of \$805.20 each. Academy boarding students are on campus seven additional weeks during the academic year; therefore, they pay room and board of \$2,662 per semester. Annual room and board may be paid in ten payments of \$532.40 each. See Health Services Fee also (p. 20).

### **Miscellaneous Costs**

Textbooks, supplies, laundry, and incidentals may total \$1,200 per semester.

### **International Students**

All enrolled international students are required to pay the \$100 International Student Processing Fee. This fee is used to pay for specialized services used by and for international students, such as visa processing and compliance reporting required by the Federal Government.

All payments must be in U.S. currency. International students' accounts will be charged any handling fees assessed by a foreign bank (e.g., transfer funds, etc.). Each semester must be paid in advance.

Pensacola Christian College does not provide financial assistance for most international students. Canadian citizens and U.S. permanent resident cardholders may qualify for some financial assistance. Under normal circumstances, the United States Citizenship and Immigration Service will not permit international students to be employed in the United States off campus to meet their financial obligations. Therefore, international students should not depend on obtaining part-time employment to meet their educational expenses. International students should carefully assess their financial resources before finalizing their college plans.

If the international student is not granted admission, the tuition, room and board, and transportation payments (p. 32) are refundable. United States immigration regulations mandate that no international students should travel to this country without receiving their official letter of acceptance, Form I-20, and F-1 (student) visa.

## Withdrawal Policies

After students have enrolled, any action, voluntary or involuntary, that would cause them to leave before the end of the semester will be considered a withdrawal.

Whenever a student's status is changed to "withdrawn" and the student owes money to the College, the money is due upon withdrawal. Interest of one percent per month (12% APR) will be charged on the unpaid balance beginning 30 days after the withdrawal until the debt is paid in full.

For students to withdraw from a class or change their major, they must obtain permission from the Registrar. Students owe tuition and fees based on the number of hours registered for and the declared major as stated in the Records Office at the end of the drop/add period.

## On Campus

To withdraw with official approval, students must have a withdrawal form properly executed by the Student Life Office.

Students are entitled to a full refund of tuition prior to commencement of instruction. A student whose withdrawal is officially approved and whose departure is before the end of the first three weeks of the semester owes the semester's tuition according to the following schedule:

During the first week (25% tuition)	During the third week (75% tuition)
Fall: Aug. 30–Sept. 5, 2022	Fall: Sept. 13–19, 2022
Spring: Jan. 24–30, 2023	Spring: Feb. 7–13, 2023
During the second week (50% tuition)	After three weeks (100% tuition)
Fall: Sept. 6–12, 2022	Fall: after Sept. 19, 2022
Spring: Jan. 31–Feb. 6, 2023	Spring: after Feb. 13, 2023

Students also owe fees and room and board (if a residence hall student) at a prorated amount based on the length of their stay.

Should a student leave the College for any reason after having paid more than the amounts outlined above, a refund is made for any overpayment; but no refund is made to a student for any other reason. No refunds are issued on a student's account until after the third week of the college semester.



When students are accepted for the fall semester, they are expected to remain a student at the College for both the fall and spring semesters of that academic year. The student's reservation is automatically carried over from the fall semester to the spring semester within a given school year. Therefore, if students withdraw at the end of the fall semester, they must notify the administration in writing.

### **Online**

To withdraw with official approval, students must have a withdrawal form properly executed by the Registrar's office.

Students are entitled to a full refund of tuition prior to the term begin date. Once the term begins, students are responsible for all tuition and fees whether or not they complete course requirements.

## **Financial Aid**

Pensacola Christian College maintains charges which are among the lowest in the nation; thus in effect, every student enrolled at PCC receives an automatic financial benefit of several thousand dollars. PCC and Abeka Fund offer programs of assistance to qualified students in the form of the Work Assistance Program, scholarships, and loans. Application for any form of financial aid should be made well in advance of the opening of the fall semester.

Financial aid is an investment in the lives of the students who receive it. The College and donors expect that students will show their appreciation by performing their best as unto the Lord.

Pensacola Christian College operates in the state of Florida as an independent institution of higher learning that is exempt from state commission oversight as per Florida Statutes. To retain its independence, PCC has elected not to accept state or federal financial aid including not participating in Department of Education Title IV programs (FAFSA), the GI Bill, or other government-sponsored student aid programs. Therefore, PCC is not able to issue 1098-T statements or eligible to receive payments from 529 Plans. In addition to maintaining a very low cost, PCC also provides over \$1 million in institutional scholarships to over 1,200 students a year, and new incoming students can also apply for the Fourth Year Tuition-Free program (a savings of over \$8,000). The College is unable to provide financial assistance in the form of scholarships to most international students. Canadian citizens and U.S. permanent resident cardholders may qualify for some financial assistance.

## Work Assistance Program

The Print Shop, Abeka, Dining Services, bookstores, and other affiliated areas provide student employment through our Work Assistance Program. Each year approximately 2,400 students are enabled to stay in college and continue their education by working.

Eligible students may apply for work assistance. Beginning fall 2022, pay will start at \$12 per hour and is increased based on merit. Job considerations are given based on financial need and work availability.

International students are welcome to apply for work assistance opportunities.

## PCC Scholarships

The scholarships listed below are made available to PCC students. To apply for any scholarship, complete a scholarship application online. Students who qualify may receive only one of the scholarships. A limited number of scholarships are available. Please apply early.

### Scholarship Qualification Requirements

An applicant must meet the following general qualifications as well as the specific qualifications of the scholarship:

1. be a United States or Canadian citizen or a U.S. permanent resident cardholder
2. declare a four-year major

All scholarship applications for the fall semester must be submitted by June 15; applications for the spring semester by December 1. Scholarships will be granted on the basis of students' qualifications. When scholarships are awarded, the Scholarship Committee will officially notify each recipient in writing. All scholarship applications will be acknowledged within 30 days.

Students must be in good standing and maintain at least a "C-" average at PCC; that is, a 2.00 grade point average each year (not cumulative) in order to continue to receive the benefits of the scholarship.

(Exception: Academic Honors Scholarship recipients must maintain a 3.20 grade point average.) If a student withdraws from the College before completing the school year to which the scholarship is applied, any remaining benefit of the scholarship is forfeited. Scholarships are credited to the student's tuition.

PCC reserves the right to make changes to the scholarship programs at its discretion.

**Christian Service Scholarship (\$4,250–\$6,800)**

This scholarship offers qualified students a tuition benefit ranging from \$4,250 to \$6,800 over the first eight consecutive semesters of attendance as a full-time student after approval. If the student is enrolled in the Fourth Year Tuition-Free program, scholarship payments will not be applied during the semesters the student is receiving the Fourth Year Tuition-Free benefit. A student is qualified to apply if at least one parent is serving full time in a Bible-believing ministry.

**Ministerial Scholarship (\$5,625–\$9,000)**

This scholarship offers qualified students a tuition benefit ranging from \$5,625 to \$9,000 over the first eight consecutive semesters of attendance as a full-time student after approval. If the student is enrolled in the Fourth Year Tuition-Free program, scholarship payments will not be applied during the semesters the student is receiving the Fourth Year Tuition-Free benefit. Ministerial students must be from a Bible-believing church and have a high school GPA of 2.00 or higher. A student is qualified to apply if he enrolls as a Bible major (including concentrations in pastoral ministries, youth ministries, missions, and music ministries) and intends to be a minister of the gospel.

**Teacher Education Scholarship (\$5,625–\$9,000)**

This scholarship offers qualified students a tuition benefit ranging from \$5,625 to \$9,000 over the first eight consecutive semesters of attendance as a full-time student after approval. If the student is enrolled in the Fourth Year Tuition-Free program, scholarship payments will not be applied during the semesters the student is receiving the Fourth Year Tuition-Free benefit. The student must have a high school GPA of 2.00 or higher. A student is qualified to apply if he majors in education.

**Armed Services Scholarship (\$2,800–\$4,500)**

This scholarship offers qualified students a tuition benefit ranging from \$2,800 to \$4,500 over the first eight consecutive semesters of attendance as a full-time student after approval. If the student is enrolled in the Fourth Year Tuition-Free program, scholarship payments will not be applied during the semesters the student is receiving the Fourth Year Tuition-Free benefit. A student may qualify in one of the following ways:

1. Applicant was honorably discharged from the U.S. armed forces (must submit DD Form 214 showing at least 3 years of active duty or 6 years in Selected Reserve)

2. Applicant is completing a 6-year obligation in the Selected Reserve or has been honorably discharged from the Selected Reserve due to disability (must submit DD Form 2384-1 or DD 214)
3. Parent currently serving in the U.S. armed forces on active duty or Selected Reserve (must submit parent's military personnel record showing at least 6 years of service)
4. Parent honorably discharged from the U.S. armed forces (active duty or Selected Reserve—must submit parent's military personnel record or DD Form 214 showing at least 10 years of service)
5. Parent served in the U.S. armed forces and died or was permanently and totally disabled while on active duty (must submit parent's DD Form 214)

#### **Academic Honors Scholarship (\$4,250–\$6,800)**

This scholarship offers qualified students a tuition benefit ranging from \$4,250 to \$6,800 over the first eight consecutive semesters of attendance as a full-time student after approval. If the student is enrolled in the Fourth Year Tuition-Free program, scholarship payments will not be applied during the semesters the student is receiving the Fourth Year Tuition-Free benefit. The student must have a high school GPA of 3.50 or higher. There are four ways to qualify:

1. Graduate as valedictorian or salutatorian of a class of at least six students. A letter attesting to this fact must be sent from the school administrator.
2. Score a minimum composite score of 25 on the ACT.
3. Score a minimum total score of 80 on the CLT.
4. Score a minimum total score of 1200 on the SAT.

An official copy of the ACT, CLT, or SAT scores must be sent directly to the College.

#### **Alumni Scholarship (\$3,150–\$4,500)**

This scholarship offers qualified students a tuition benefit ranging from \$3,150 to \$4,500 over the first eight consecutive semesters of attendance as a full-time student after approval. If the student is enrolled in the Fourth Year Tuition-Free program, scholarship payments will not be applied during the semesters the student is receiving the Fourth Year Tuition-Free benefit. A student is qualified to apply if at least one parent graduated from PCC in a four-year undergraduate program.

### **Abeka Academy Tuition Scholarship**

This scholarship offers qualified students a varying amount of savings applied over the first eight consecutive semesters of attendance as a full-time student after approval. The scholarship amount is calculated by totaling tuition fees paid (grades 9–12) for Abeka Academy video homeschool courses and is divided by four years for application to the student's tuition. A student is qualified to apply if he completed at least a full 12th grade enrollment through Abeka Academy and will be enrolled at PCC within one year of high school graduation. This scholarship may not be combined with the Fourth Year Tuition-Free program.

### **Private Scholarships**

A number of privately funded scholarships are available for current PCC students. For details concerning these scholarships, visit [pcci.edu/scholarships](http://pcci.edu/scholarships) or contact the scholarship office at [scholarships@abekafund.com](mailto:scholarships@abekafund.com).

In addition, students are encouraged to research and apply for other sources of private scholarship aid online.

### **Fourth Year Tuition-Free\* Program**

You can enroll in the Fourth Year Tuition-Free program in which you will receive your fourth year of college free\*. A student receiving the tuition benefit during the 7th and 8th semesters is not eligible to receive PCC scholarships or private scholarships offered through Abeka Fund during those semesters.

To qualify, students must do the following:

- Apply to PCC as a new student for the first time for fall 2022 or spring 2023.
- Pay the nonrefundable/nontransferable \$500 Enlistment Fee and sign the agreement form by June 15 (December 1 for spring semester). You will receive an official notice that your Enlistment Fee has been paid and that you have been accepted into the program.
- Remain in good standing and maintain continuous full-time enrollment for 8 consecutive semesters. If a student graduates early, the remaining semester(s) of the program will be forfeited.

\*Tuition only. Open only to U.S. and Canadian citizens and U.S. permanent resident cardholders. PCC reserves the right to change tuition, room and board, and other fees as deemed necessary by the administration, including any necessary changes to the Fourth Year Tuition-Free program.

- Pay standard tuition for 6 consecutive semesters (3 years), and receive free tuition the 7th and 8th semesters (4th year), up to 17 credit hours per semester. Other charges during the 4th year, including room and board, textbooks, and fees, are the student's responsibility.

## Private Loans

### Sallie Mae Private Student Loans

Sallie Mae offers private loans to PCC students. With the Smart Option Student Loan for Undergraduate Students or the Sallie Mae Parent Loan, you can receive funds that cover full tuition, room and board, and fees. These loans offer fixed, deferred, and interest repayment options, so your main focus can be on earning your college degree. For more information about Sallie Mae loans, visit [salliemae.com](http://salliemae.com) (using the Institutional ID 609527-00) or call 1-877-279-7172.

### Abeka Fund

Abeka Fund provides loans to qualified students who need help in financing their college education at Pensacola Christian College. Students who meet the Abeka Fund loan requirements may be permitted to borrow up to \$5,000 per year for four years. For additional information, email [studentloans@abekafund.com](mailto:studentloans@abekafund.com) or call 850-478-8496, ext. 2082.

## Notice of Liability

Pensacola Christian College is not liable for damage to any personal belongings of students under any circumstances including the event of a catastrophe such as, but not limited to, windstorm, flood, hail, riot, riot attending a strike, civil commotion, explosion, fire, smoke, and vehicle or aircraft accident. Neither is Pensacola Christian College liable for loss or theft of personal belongings of students, staff, or faculty.



# ACADEMIC INFORMATION

## General Requirements for Admission

This catalog is not a contract between Pensacola Christian College and its students. It is the student's responsibility to be fully acquainted with all academic requirements of the respective programs. Students may confer with deans, department chairs, and advisors regarding these requirements, but it is the student's responsibility to fulfill them before a degree is granted.

Applicants for admission to PCC must have earned a high school diploma or must have passed the Tests of General Educational Development (GED). Applicants are required to submit scores from the ACT, CLT, or SAT. A principal or guidance counselor should be able to help with this requirement.

### Academic Entrance Requirements

A satisfactory academic background includes a high school GPA of 2.00 or GED *and* an ACT composite score of 18, CLT total score of 62, or SAT total score of 960. An applicant who falls below either of these standards may be considered for provisional acceptance by the Academic Admissions Committee. If accepted, the applicant will be admitted with a status of either Academic Watch or Academic Probation and be required to meet weekly with an academic success coach to help develop an ability to benefit from instruction at PCC. Students on Academic Probation will be limited to 12 credit hours.

### Homeschool Graduates

PCC recognizes that some applicants have nontraditional secondary education backgrounds and invites such students to apply. Students who graduate from a homeschool or nontraditional high school program must submit a transcript of completed coursework to the Director of Admissions. Such applicants for admission will be considered on an individual basis.

### When to Apply

You may apply to Pensacola Christian College anytime during the junior year of high school or thereafter. PCC follows a "rolling admissions" policy, meaning we accept qualified candidates as they apply until all available spaces are filled.

**It is advisable to apply early even though there is no application deadline.**



## First-Time Students

1. Apply [online](#) and pay the \$50 Application Fee.
2. Submit the following items for acceptance:
  - **Official College Entrance Test Scores**  
Have your ACT, CLT, or SAT scores sent to the Director of Admissions as soon as possible. This is done automatically if you specify our college ACT number 0707 or SAT number 5970 or if you choose PCC from the list of CLT colleges when you register for these tests.

Pensacola Christian College will be test-optional through fall 2022 because of continuing challenges with access to ACT and SAT testing centers. **Therefore, undergraduate applicants are not required to submit a test score for admission.** But if an applicant has a score, it can be submitted for evaluation. Please note a test score is needed for Academic Honors Scholarship eligibility.

- **High School/College Transcripts or GED**  
Request your high school to send a copy of your transcript to the Director of Admissions. If you have not yet graduated, request the high school to send a transcript of your coursework completed up until the current semester. If you passed the Tests of General Educational Development (GED), have a copy of the Official Report of Test Results sent directly from the GED test center to the Director Admissions.
  - **Admissions Essay**  
The Admissions Essay, available online in the Applicant Portal, consists of two essay questions you will need to answer in 100–150 words per question.
3. Secure financial aid, if applicable (pp. 24–29), and pay the Reservation Deposit (p. 19).
  4. Submit remaining forms and documents before arrival (see Applicant Portal).

## New International Students

Complete the above requirements under first-time student checklist.

International students should allow a minimum of six months to complete application procedures. PCC is authorized under federal law to enroll non-immigrant alien students. It is required by United States Immigration and Customs Enforcement regulations that international students submit to the College all application forms, academic records, test scores, and proof of financial responsibility before the Form I-20 can be sent. In addition,

the College requires international students to submit one semester's tuition, room and board, fees, and one-way transportation charges from the College to the student's home before the Form I-20 will be sent. Each semester must be paid in advance. All payments must be in U.S. currency. International students' accounts will be charged any handling fees assessed by a foreign bank (e.g., transfer funds, etc.).

Transcripts from non-U.S. institutions must be evaluated by Educational Credential Evaluators (ECE). Start your evaluation at [ece.org](http://ece.org). Choose the Course-by-Course evaluation and follow the steps required. PCC must receive the evaluation report before your file will be reviewed for final acceptance. If you graduated from a homeschool or nontraditional secondary education program, see the section for Homeschool Graduates (p. 31).

Prospective students should take the ACT, CLT, or the SAT. Students whose primary language is not English are also required to take the Test of English as a Foreign Language (TOEFL). Have your TOEFL scores sent directly from the Educational Testing Service to the Director of Admissions as soon as possible. This is done automatically if you specify our college TOEFL number 5970 when you register for this test. Scores must be received before your file will be reviewed for final acceptance.

The expected minimum TOEFL score is as follows:

61 internet-based (15 per section)

15 per section paper-delivered

The applicant whose TOEFL composite score is below the standard may be considered for provisional acceptance by the Academic Admissions Committee. If accepted, the applicant will be admitted with a status of either Academic Watch or Academic Probation and will be required to take EN 110 Conversational English and meet weekly with an academic success coach to develop an ability to benefit from instruction at PCC. Students on Academic Probation will be limited to 12 credit hours.

## Transfer Students

1. Follow all steps under first-time student checklist.
2. Request each institution of higher education you have previously attended to send a complete transcript directly to

Admissions Office  
P.O. Box 18000  
Pensacola, FL 32523-9160  
U.S.A.

3. After evaluating your transcript, the Records Office will notify you in writing of your evaluation results. (See Transfer of Credit policy, p. 36.)
4. To ensure you receive evaluation results prior to the start of the semester, transcripts need to be received by June 15 for fall semester (December 1 for spring semester).

### Academy Boarding

The College accepts students in grades 11–12 who wish to attend Pensacola Christian Academy as boarding students (details, pp. 22, 47).

### Dual Enrollment

High school juniors or seniors may take one or two classes each semester online through PCC for dual high school and/or college credit. See Online Dual Enrollment Courses on p. 19 for cost. Because of the special nature of the Dual Enrollment program, applicants must satisfy the following:

1. Have at least 12 high school credits
  2. High school GPA of at least 3.00\*
  3. One of the following minimum scores:\*
- 21 ACT composite
  - 70 CLT total
  - 1060 SAT total

Pensacola Christian College will be test-optional through fall 2022 because of continuing challenges with access to ACT and SAT testing centers. **Therefore, applicants are not required to submit a test score for admission.** But if an applicant has a score, it can be submitted for evaluation.

Applicants whose primary language is not English are also required to take the Test of English as a Foreign Language (TOEFL) and earn a minimum score as follows:

- 61 internet-based (15 per section)
- 15 per section paper-delivered

For more information about the program, visit [pcci.edu/dualenrollment](https://pcci.edu/dualenrollment).

### Early Admission

High school seniors may enroll in the College full time to satisfy high school graduation requirements and earn college credit toward a PCC baccalaureate degree. Because of the special nature of the Early Admission program, applicants must satisfy the following:

1. Be a United States citizen or a U.S. permanent resident cardholder

\*An applicant who falls below either of these standards may be considered for acceptance by the Academic Admissions Committee.

2. Have at least 18 high school credits, including Geometry (1 credit)
3. High school GPA of at least 3.00\*
4. One of the following minimum scores:\*
  - 21 ACT composite
  - 70 CLT total
  - 1060 SAT total

Pensacola Christian College will be test-optional through fall 2022 because of continuing challenges with access to ACT and SAT testing centers. **Therefore, applicants are not required to submit a test score for admission.** But if an applicant has a score, it can be submitted for evaluation.

5. Be a full-time residence hall student
6. Submit all necessary applications, forms, and transcripts by July 1.

To ensure the desired major can be completed in four years, contact the Admissions Office prior to beginning the junior year of high school to determine what high school degree requirements should be completed prior to attending PCC.

### Special Admissions

Recognizing that not all students have educational backgrounds which fit the application for admission, the College will consider, on an individual basis, applications for enrollment from students with nontraditional educational backgrounds.

In certain cases, a student who has not completed his secondary education may enroll and take individual courses. Such college credit would be validated upon completing work for a high school diploma or passing the Tests of General Educational Development (GED).

### Student Standing

**Regular Students:** Students who satisfy entrance requirements and are informed of regular standing by the Director of Admissions are considered regular students. Students may be enrolled part time or full time but must work toward a degree.

**Provisional Students:** The administration will inform students in writing of the cause of their provisional standing. Applicants who do not completely satisfy academic entrance requirements may be placed on either Academic Watch or Academic Probation and be required to meet weekly with an academic success coach to help develop an ability to benefit from instruction at PCC. Students on Academic Probation will be limited to 12 credit hours. Students placed on provisional standing for

disciplinary reasons may not hold any elected office, and participation in extracurricular activities is restricted.

**Postgraduate Special and Nondegree Students:** Students who already have a baccalaureate degree and desire additional undergraduate work may be classified as postgraduate special students.

Undergraduate students not working toward a degree will be classified according to number of credits and may enroll as nondegree students. Students classified as nondegree pay a \$25 Academic Program Fee per semester or 3 payments of \$8.33 (p. 21).

**Part-Time Students:** Students enrolled for fewer than 12 credit hours per semester are part-time students.

**Full-Time Students:** Students enrolled for 12 credit hours or more per semester are full-time students. Students must maintain full-time status to live in the residence halls, qualify for PCC scholarships or Fourth Year Tuition-Free program, and maintain F-1 Visa Status (international students).

## Academic Credit Policies

### Credit Hour

One semester credit hour represents the equivalent of one hour of lecture or two hours of laboratory work each week. Class lecture or laboratory time combined with outside classwork or studying is expected to equal approximately three hours per credit each week. An equivalent amount of work is required for studio work, practicums, internships, and classes that do not meet on the semester schedule.

### Transfer of Credit

It is the practice of Pensacola Christian College and other colleges and universities to accept or reject credits based on their own institutional criteria, regardless of whether or not that particular school transferring credit is accredited.

It is the policy of the College to consider for transfer credits earned at an approved or accredited college or university. Courses acceptable for transfer must be similar in content to those replaced in the chosen major at PCC. Courses which are not similar may be transferred as general electives, providing they meet all the college transfer-of-credit policies. Nursing and education courses will not be transferred toward a nursing or education program but may be transferred as general electives, providing they meet the college transfer-of-credit policies.

Courses previously taken at PCC may not be repeated at another college. Only those credits which carry a grade of at least "C-" or its equivalent may be transferred.

PCC does not count grade points earned at other colleges and universities toward the minimum final grade point average of 2.00 required for graduation.

If students transfer a number of hours in their major, they still must complete a minimum of 12 semester hours in that field as prescribed by the Registrar. At least 25 percent of the total credit hours required for the degree must be completed at PCC.

Transfer students in any classification may apply for admission, though rarely is a student able to transfer and complete degree requirements in one year.

Students who transfer credits from non-English-speaking countries are responsible to provide a certified translation of course descriptions. This certification may be made by (1) a commercial certifying organization or (2) an individual with appropriate credentials in the country where the student attended college.

PCC reserves the right to withhold recognition of credits received at any college or university that does not, in the opinion of the administration, meet reasonable academic standards.

### **Credits from Bible Colleges**

Credits from a Bible college are accepted on the same basis as credits earned from any other college or university. Credits from a Bible school or Bible institute which does not have recognized collegiate standing are accepted at PCC only after individual evaluation and/or validation under the direction of the College's Academic Committee.

Pensacola Christian College reserves the right to withhold recognition of credits received at any Bible college, Bible school, or Bible institute that does not, in the opinion of the administration, meet reasonable academic standards.

### **Transient Credit**

Current students may not take courses from other institutions without advance approval from the Registrar. When taken to meet graduation requirements, these courses must meet current transfer requirements and must not be a core course required for the student's major. Students should submit a Transient Form and course/institution information for

approval. Students who fail to follow procedures for work completed elsewhere may forfeit recognition of credit for this work. Students may take a maximum of three courses from another institution each summer. Courses taken at other colleges and universities do not apply toward the minimum final grade point average of 2.00 required for graduation.

### **Experience Credit**

PCC does not grant credit for work or life experience, with the exception of physical education credit that may be granted for active military service.

### **Credit for Military Service**

One hour of physical education activity credit will be granted for each year of active military service up to two years. Discharge papers or the equivalent are required as evidence of eligibility and must be presented to the Records Office before the end of the student's first semester. Physical education majors or minors must take actual courses to complete their PE requirements.

### **CLEP and AP Credit**

Students may earn credit by taking College Level Examination Program (CLEP) or Advanced Placement Program (AP) examinations. CLEP results must be received before earning 100 credits unless prior approval is obtained from the Registrar before taking CLEP examinations. CLEP results will automatically be sent to PCC if you specify our college number 5970 when you register for these tests. CLEP credit will not be granted for courses previously taken. See [pcci.edu/Academics/AcademicInfo.aspx](http://pcci.edu/Academics/AcademicInfo.aspx) for additional information.

## **Course Scheduling**

### **Registration**

To receive course credit, a student must meet all prerequisites and be registered for the course. Registration dates are listed on the Calendar of Events (p. 4).

Students registering late must pay a \$50 late fee.

### **Plan for Learning**

Pensacola Christian College offers a yearly program of instruction in which the 15-week fall and spring on-campus semesters are divided by a 5-week Interterm beginning this year December 16 and ending January 21. Online courses are offered during Interterm and summer (see p. 4 for dates). Students may take one course during Interterm and up to 3 courses, depending on GPA, during the summer. Full payment of tuition and fees for online courses is due at registration (see p. 19 for cost).

Courses that are taken at another institution should be completed before beginning the semester at PCC. Approved coursework not completed before the beginning of a semester is included in the student's academic load for that semester.

### Course Changes

**Additions:** During the drop/add period each semester, students may add a course to their schedule and register the change with the Records Office. A \$10 change of course fee will be charged.

**On-Campus Drops:** To drop an on-campus course, a student must get approval from the Registrar. A \$10 drop fee will be charged. The course grade is recorded as follows:

Week 1	No record on transcript
Weeks 2–9	W—Withdrawn
Weeks 10–15	WP—Withdrawn passing or WF—Withdrawn failing

**Online-Learning Drops:** A student may drop an online-learning course by submitting a written request to the Online Learning Office. A \$10 drop fee will be charged. Tuition and fees are nonrefundable and nontransferable once the term begins. The course grade is recorded as follows:

Week 1	No record on transcript
Week 2–week before terms ends	W—Withdrawn
Last week of term	WP—Withdrawn passing or WF—Withdrawn failing

### Audits

Students wanting to take a class for personal benefit may audit a course with approval from the Registrar. Audited courses may not be changed to a credit basis after the course has started. Audited courses may not be taken a second time for credit.

Spouses of full-time married undergraduate students may audit one course per semester (maximum 3 semester hours load) with no tuition charge. Applicable course fees must be paid. Enrollment is granted on a space-available basis after the regular college students have registered.

### Withdrawals

Students whose circumstances force them to withdraw from the College must have a withdrawal form properly executed by the Student Life Office. Course grades recorded for withdrawals, whether honorable (voluntary) or dishonorable, will follow the same policy as dropping a course.



## Course Cancellation

Any course with insufficient enrollment may be canceled.

## Irregular Scheduling

Pensacola Christian College cannot schedule courses for the convenience of individual students who cannot or who do not take courses in their regular sequence.

## Academic Classification

### Freshman

A freshman has satisfied entrance requirements and has completed fewer than 28 credit hours.

### Sophomore

A sophomore has completed at least 28 but fewer than 56 credit hours.

### Junior

A junior has completed at least 56 but fewer than 88 credit hours.

### Senior

A senior has completed at least 88 credit hours.

## Course Numbering

In general, 100-level courses should be taken in the student's first year, 200-level the second year, 300-level the third year, and 400-level the fourth year. A two-letter prefix indicates academic department.

## Student Academic Load

A normal full-time undergraduate academic course load is 15–17 credit hours; a maximum load is 20 credit hours that includes any online learning work in which the student is currently enrolled. Student academic load limits are determined on the following basis:

Category	Credit Limit
Academic Probation (see p. 44)	12
Academic Warning (see p. 43)	14
New Student (not on Academic Probation)	17
2.00 GPA or above	17
3.00 GPA or above	18
4.00 GPA	20

Students are not permitted to exceed their academic load limit without the Registrar's approval. See p. 20 for tuition amount for additional hours above 17 credits.

Students register for courses each semester according to the required course sequence for their chosen program of study. They should also consider their own ability to maintain a 2.00 grade point average while completing their program.

## **Attendance**

All students, regardless of classification, are expected to attend all scheduled classes.

Students missing more than a week of scheduled classes may lose one full letter grade. Students who accumulate more unexcused absences than the number of days a course meets in two weeks may be required to withdraw from the course, which could affect residency status. Those who miss more than the equivalent of three weeks of classes may be asked to withdraw.

## **Library and Learning Resources**

The Rebekah Horton Library is housed in a 6-story complex with more than 105,000 square feet, designed to hold a collection of up to a half-million volumes. With seating space for more than 900, this facility provides open stacks, study carrels, an audiovisual lab, computer lab, music lab, student study rooms, conference rooms, wireless Internet access, and spacious study areas.

The PALM computerized card catalog system allows students and faculty to locate research materials with speed and simplicity. Present library collections include more than 300,000 volumes, plus nearly 500 current periodicals. Online databases provide access to more than 36,000 additional periodicals and journals plus a wealth of other academic electronic resources. Interlibrary loan service is also available through OCLC (Online Computer Library Center) database, providing access through a bibliographic retrieval system to more than 400,000,000 resources worldwide held by more than 70,000 academic and public libraries in the United States, Canada, and several foreign countries.

The library also exhibits historical and educational materials in an old-fashioned classroom setting. The Bible Manuscript Collection contains rare Bibles and other materials that give evidence of Bible preservation through the centuries. The collection holds early editions of the English Bible, Old Testament scrolls, and famous Bible reference works.

## Examinations

Students are expected to take all examinations on their assigned dates. If final examinations are missed, as a rule, they may not be taken later. However, if students gain both the teacher's and the Registrar's approval and pay the Late Exam Fee, they may make up an examination.

## Grading System

Final grades are issued at the end of each term. Students have 60 days after the end of semester to report grade discrepancies to the Registrar.

The following 4.00 grading system is for all students:

Grade	Grade Points Per Credit Hour
A — Superior	4
B — Above Average	3
C — Average	2
D — Passing	1
F — Failing	0

Students may determine their grade point average by dividing the total number of grade points earned by the total number of GPA hours. (Students who have taken a course more than once should see Repeating a Course.) A student must achieve a final grade point average of 2.00 (at least twice as many grade points as credit hours attempted) or higher for all courses attempted at PCC to satisfy the grade point requirement for graduation.

Other grade report and/or transcript codes are

I — Incomplete	P — Passed
W — Withdrawn	AU — Audit
WA — Withdrawn auditing	NG — No Grade
WF — Withdrawn failing	CR — Credit
WP — Withdrawn passing	

Coursework in courses with a grade of "Incomplete" must be made up before the start of midterm exams of the following semester. Coursework not completed before the beginning of a semester is included in the student's academic load for that semester.

## Scholastic Honors

Registrar's Office will publish the President's List of students achieving a grade point average of 3.90 or higher for the semester and will publish a Dean's List of those achieving a grade point average of 3.00 or higher for the semester. To qualify, students must be carrying a minimum of

12 credit hours and must not have any “Incompletes,” “Ds,” “Fs,” or “WFs” for that semester.

### Graduation Honors

To qualify for academic honors, students must have earned at least a 3.50 grade point average for their entire academic record, have completed at least 60 hours at Pensacola Christian College, and have completed all graduation requirements for a four-year degree. The scholastic honors are as follows:

Honor	Grade Point Average
Cum laude	3.50–3.69
Magna cum laude	3.70–3.84
Summa cum laude	3.85–4.00

### Repeating a Course

A student may repeat courses he previously failed or courses in which he did not earn the minimum grade required for graduation or his major. All grades earned by a student become a part of his permanent record and will show on any transcript issued by the College; however, the highest earned grade of repeated courses is used in computing the grade point average, and the credit hours are counted only once. A student’s grade point average will improve providing the repeated grade is higher than the previous grade. Students cannot repeat a course taken at PCC at another college.

No student may repeat a course more than twice. A student must secure the permission of the Registrar any time he repeats a course more than one time. Audited courses may not be taken a second time for credit.

### Satisfactory Academic Progress

To remain in good academic standing as they pursue their degree, students are expected to maintain a 2.00 cumulative grade point average on a 4-point scale based solely on coursework taken at Pensacola Christian College. Those who fall below this level are subject to the guidelines below. A student’s academic progress will be reviewed by the Registrar following each term. Appeal to Academic Suspension or Dismissal may be made in writing to the Academic Vice President.

### Academic Warning

A student who falls below a 2.00 cumulative grade point average may be placed on Academic Warning. This status is *not* recorded on the student’s permanent record. Students on Academic Warning will be required to take a zero-credit Academic Success Workshop to help them develop effective time-management skills, study habits, test-taking strategies,

and other skills that contribute to general academic success. The student may register for a maximum load of 14 credit hours and will have two semesters to return to good academic standing.

### **Academic Probation**

A student with a semester grade point average of less than 1.00 may be placed on Academic Probation, even if the student's cumulative GPA remains above 2.00. In addition, a transfer student with less than a 2.00 grade point average from the previous institution or a student who remains on Academic Warning after two consecutive semesters may be placed on Academic Probation, which will be noted on the student's permanent record. The student will be permitted to register for a maximum load of 12 credit hours and will have two semesters to return to good academic standing. If the student returns to good academic standing, Academic Probation is removed, and this is recorded on the student's permanent record.

### **Academic Suspension**

A student with a semester grade point average of less than 1.00 for two consecutive semesters may be subject to Academic Suspension for one semester. In addition, a student who remains on Academic Probation after two consecutive semesters may be subject to Academic Suspension for one semester, and this will be noted on the student's permanent record. After serving the suspension, a student who desires to return to Pensacola Christian College must submit a written request to the Re-enrollment Committee. If accepted, the Registrar will determine a plan to prepare the student for re-enrolling.

### **Academic Dismissal**

A student who returns from Academic Suspension may remain on Academic Probation and must achieve good academic standing by the end of the first semester after returning. The student who does not achieve a 2.00 cumulative grade point average at the end of the first semester back from Academic Suspension may be subject to Academic Dismissal, and this will be noted on the student's permanent record.

### **Transcript of Records**

Students wanting a copy of their transcript must submit an official request through the College's [website](#). Official paper copies are \$5 per copy; unofficial electronic copies are \$3 per request. The Records Office will not issue any transcripts of a student's record for any student whose account is not paid in full.

## Privacy Policy

Although Pensacola Christian College does not accept state or federal financial aid, the institution voluntarily abides by the general guidelines of the Family Educational Rights and Privacy Act of 1974 (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) as they apply to the release of educational records. This privacy policy is extended to all enrolled students, whether taking courses on-site or through online learning.

Under this policy, educational records may be provided to the following without a student's consent:

- PCC officials with a legitimate educational interest
- Accrediting agencies
- Parties to legal actions through subpoenas and/or court orders
- Federal or state agencies, or organizations performing audits or official studies
- Financial aid officers
- Appropriate authorities in an emergency situation

In addition, student recruiting information may be given to military recruiters, and the following directory information may be disclosed to the public without a student's consent unless a student has requested through the Records Office that the information be kept confidential: name, hometown, photograph, major, minor, dates of attendance, classification, participation in officially recognized sports and activities, statistics of Eagles athletics, honors, awards, scholarships, anticipated graduation date, degrees earned, and date degrees were conferred.

Requests for any other personally identifiable information contained in students' educational records will only be granted with a signed release from the student.

## Biblical Studies Minor

This Biblical Studies minor equips students for life and ministry with a core foundation in God's Word. To prepare students with the ability to understand sound doctrine and share the gospel of Christ with others, all students in a baccalaureate degree program will complete a Biblical Studies minor through the courses below.

BI 105	Old Testament Introduction . . . . .	2	BI	Bible Elective . . . . .	2
BI 205	New Testament Introduction . . . . .	2	BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
BI 321	Bible Doctrines . . . . .	2	CR 370	Origins . . . . .	2
BI 322	Bible Doctrines . . . . .	2			
BI 370	Worldview and Apologetics . . . . .	2			

## Graduation Requirements

All degree requirements are listed in the Catalog. Students will receive a plan of study during their first semester that lists courses to be completed for the declared major and minor, as well as any required elective courses. A Student Success Advisor is assigned to assist the student in following the plan of study; however, the student bears the final responsibility in scheduling completion of the degree requirements for the chosen program of study. PCC cannot schedule courses for the convenience of individual students who cannot or who do not take courses in their regular sequence. Students may be subject to any changes in degree requirements if they do not attend consecutive semesters.

### Baccalaureate Degree

The Bachelor of Arts and Bachelor of Science degrees and the Bachelor of Science in Nursing degree are offered to students who satisfactorily complete a four-year course of study outlined under their major field of concentration. In addition, candidates for a baccalaureate degree must

1. complete at least 120 credit hours, including courses required for liberal arts requirements (p. 53), Biblical Studies minor (p. 45), and their degree (excludes credits from EN 099 and MA 099)
2. earn at least a 2.00 grade point average at Pensacola Christian College
3. receive at least a "C-" in all core courses required in their major field, EN 121 or 123, EN 126, and MA 121 (or higher MA course); in addition, a minimum grade of "B-" may be required in specified courses
4. complete at least 30 credits from Pensacola Christian College, including the last semester of the senior year (A student's final course must be taken from PCC.)
5. complete at least 8 credit hours of Bible courses from Pensacola Christian College (All full-time students must take a Bible course each semester unless a waiver is given.)
6. submit a Petition for Graduation to the Records Office by the end of the drop/add period of the semester of anticipated graduation
7. settle all financial obligations to the College
8. attend Commencement activities if enrolled the spring semester

### Associate Degree

The Associate of Arts and Associate of Science degrees are offered to students who satisfactorily complete one of the two-year courses of study outlined on pages 54, 101–104, and 178–179.

In addition, candidates for an associate degree must

1. complete at least 60 credit hours, including courses required for liberal arts requirements (p. 53) and their degree (excludes credits from EN 099 and MA 099)
2. receive at least a "C-" in all core courses required in their major field, EN 121 or 123, EN 126, and MA 121 (or higher MA course)
3. complete at least 30 credits from Pensacola Christian College, including the last semester
4. complete requirements 2, 5, 6, 7, and 8 under Baccalaureate Degree

### **Double Major**

A student may graduate with a double major, subject to the following conditions:

1. There must be a minimum of 20 distinct credits between the two majors.
2. All catalog requirements listed for both majors must be satisfied.
3. The Petition for Graduation must show the name of both majors.

### **Second Degree**

A student who has previously been granted a college-level degree may seek to earn a second degree in another major at Pensacola Christian College. There must be a minimum of 20 distinct credits between the two degrees. All catalog requirements for the second degree must be satisfied.

Credits from the original degree will be transferred according to the policies stated under Transfer of Credit (p. 36). A Petition for Graduation must be submitted and a graduation fee must be paid for the second degree to be granted. Ordinarily, earning a second degree requires more than one year of coursework. For further information, contact the Registrar.

### **Student Achievement**

Information regarding student retention and completion rates as well as alumni employment rates is available on the PCC [website](#).

### **Pensacola Christian Academy**

PCC accepts students in grades 11–12 who wish to attend Pensacola Christian Academy as residence hall boarding students. These students live and eat with the college students and enjoy the best of two worlds:



that of being an Academy student and enjoying many of the privileges of college life at the same time.

It should be noted, however, that Academy boarding students attend school approximately seven weeks more during the school year than do college students, and their charges for room and board reflect this fact. Academy residence hall students are required to attend Bible Conference. Twelfth graders are also required to participate in the senior trip. The fee for the senior trip is due at the beginning of second semester, and the student should check with the Business Office for the cost. For further information, please contact the Admissions Office.

## **Postgraduate**

The master's degree programs are structured for teachers, administrators, business men and women, pastors, musicians, artists, and Bible scholars who wish to increase their usability in Christian service. In addition, doctoral programs in education and a Doctor of Ministry degree are offered. In each program, theory is firmly anchored to practice, and a positive, encouraging spirit is personified by all faculty. For further information, see the Seminary & Graduate Studies Catalog.



# ACADEMIC PROGRAMS

## Divisions and Departments

- 52** Division of Liberal Arts
- 55** Division of Biblical Studies
  - 56** Bible Department
- 83** Division of Professional Studies
  - 84** Business Department
  - 105** Education Department
- 130** Division of Visual and Performing Arts
  - 131** Visual Arts Department
  - 137** Performing Arts Department
- 147** Division of Arts and Sciences
  - 148** Engineering and Computer Science Department
  - 162** Humanities Department
  - 181** Natural Sciences Department
  - 197** Nursing Department
- 203** Minors

## Degrees Offered

Providing a good education is important at Pensacola Christian College. We concentrate on quality academics that are also practical. Though staying current with what is new, we never abandon the absolute Truth—God’s Word. Our faculty is interested in you as a person: they listen, answer questions, and try to help you as you seek God’s will for your life. Well-equipped labs support classroom experiences.

Check below for degrees or minors offered in your area of interest. Turn to pages shown for complete graduation requirements. Individual course descriptions begin on page 208.

## Seminary and Graduate Studies

See the Seminary & Graduate Studies Catalog for master’s and doctoral degrees offered.

## Areas of Study

	Bachelor’s Degree	Associate Degree	Minor
Accounting	C p. 86		p. 203
Advertising/Public Relations	C p. 88		p. 203
Art	C p. 135		p. 206
Bible	M p. 57		p. 45
Bible, General Studies	E p. 80		
Bible, Pastoral Ministries	C p. 58		
Biblical Languages			p. 203
Biology	C p. 184		p. 203
Biology, Cell and Molecular	C p. 187		
Biology Education	C p. 117		
Business	M p. 85	p. 101	
Business Management	C p. 92		p. 205
Business Technology			p. 203
Cell and Molecular Biology	C p. 187		
Chemistry	C p. 189		p. 203
Computer Science	C p. 150		p. 204
Computing	M p. 149		
Criminal Justice	M p. 176	p. 178	p. 204
Cybersecurity	C p. 152		
Digital Media			p. 204
e-Business Management			p. 204
Early Childhood	C p. 109		
Education			p. 204
Electrical Engineering	C p. 158		
Elementary Education	M p. 107		
Engineering	M p. 156		
English	M p. 163		p. 204
English Education	C p. 119		

LEGEND M Major C Major Concentration E Major Emphasis

**Areas of Study**

	<b>Bachelor's Degree</b>	<b>Associate Degree</b>	<b>Minor</b>
Evangelism Emphasis, Pastoral Ministries	<b>E</b> p. 58		
Finance	<b>C</b> p. 90		p. 204
Graphic Design	<b>C</b> p. 132		p. 205
History	<b>M</b> p. 168		p. 205
History Education	<b>C</b> p. 120		
Humanities	<b>M</b> p. 172		
Information Technology	<b>C</b> p. 154		
Interdisciplinary Studies	<b>M</b> p. 179		
Liberal Arts		p. 54	
Management	<b>C</b> p. 92		p. 205
Marketing	<b>C</b> p. 93		p. 205
Mathematics	<b>M</b> p. 182		p. 205
Mathematics Education	<b>C</b> p. 122		
Mechanical Engineering	<b>C</b> p. 160		
Medical Office Administration	<b>C</b> p. 99		
Medical Office Systems		p. 103	
Missions	<b>C</b> p. 72		p. 205
Music	<b>M</b> p. 138		p. 205
Music Education	<b>M</b> p. 111		
Music Ministries	<b>C</b> p. 77		p. 206
Nursing	<b>M</b> p. 198		
Office Administration	<b>C</b> p. 97		p. 206
Office Systems		p. 101	
Pastoral Ministries	<b>C</b> p. 58		
Performance Studies	<b>M</b> p. 144		p. 206
Physical Education	<b>C</b> p. 123		p. 206
Political Science	<b>C</b> p. 170		p. 206
Pre-Law	<b>E</b> p. 174		
Pre-Medicine	<b>E</b> p. 191		
Pre-Pharmacy	<b>E</b> p. 193		
Pre-Physical Therapy	<b>E</b> p. 195		
Professional Writing	<b>C</b> p. 166		
Sciences, Natural	<b>M</b> p. 184		
Science Education	<b>C</b> p. 125		
Secondary Education	<b>M</b> p. 116		
Spanish			p. 206
Special Education			p. 206
Speech Education	<b>C</b> p. 126		
Sport Management	<b>C</b> p. 95		
Studio Art	<b>C</b> p. 135		p. 207
Visual Arts	<b>M</b> p. 132		
Web Development			p. 207
Writing	<b>C</b> p. 166		p. 207
Youth Ministries	<b>C</b> p. 60		

LEGEND **M** Major **C** Major Concentration **E** Major Emphasis

# DIVISION OF LIBERAL ARTS

**The purpose of this division** is to equip all students to succeed academically and professionally by providing a core curriculum rooted in the humanities, natural sciences, and performing arts. This curriculum provides students the facts and skills necessary to think critically and to communicate effectively.

The goals of this division are to prepare students with the ability to recognize the historical events and literary works that have influenced Western civilization; recognize how society is influenced by worldview; communicate clearly and effectively in speaking and writing; develop an ability to analyze, evaluate, and synthesize ideas; and apply fundamental principles of mathematics and science to analyze and solve problems.

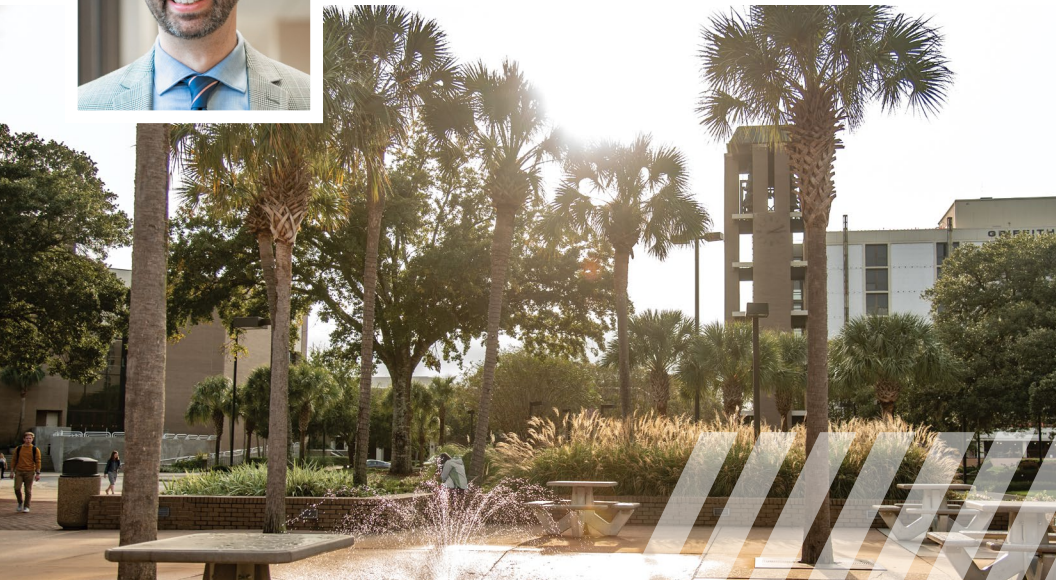
## Undergraduate Degree

### Associate of Arts

**54 Liberal Arts Major**



**Dr. Rob Achuff**  
Chair of Liberal Arts



### Liberal Arts Requirements for Baccalaureate Degree

CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3-4	HI 101	History of Civilization . . . . .	3
EN 121	English Grammar and Composition I <sup>1</sup> . . . . .	3	HI 102	History of Civilization . . . . .	3
EN 126	English Grammar and Composition II . . . . .	3	MA	Mathematics Elective <sup>1</sup> . . . . .	3
EN	General Literature Elective . . . . .	3	SC	Science Elective . . . . .	3
			SP 101	Fundamentals of Speech . . . . .	3
				Social Science Elective (see below) .	3

### Courses listed below meet the Social Science requirement.

AR 227	History of Art	HI 300	History and Principles of Free- Market Economics
AR 228	History of Art	MI 403	Cultural Anthropology
BA 303	Macroeconomics	MU 213	Appreciation of Fine Arts
BA 304	Microeconomics	MU 301	History of Music
CJ 201	Dynamics of Human Behavior	PL 207	Introduction to Political Science
CJ 213	Juvenile Delinquency	PL 303	State and Local Government
ED 322	Educational Psychology	PL 304	American Government
ED 413	Child Growth and Development	PR 306	Interpersonal Relationships
ED 415	Adolescent Growth and Development	PR 411	Biblical Ethics
EG 425	Engineering Economics and Professional Issues	PR 415	Marriage and Family Education
FN 216	Personal Finance	PS 211	Introduction to Psychology
HI 211	World Geography	PS 323	Developmental Psychology
		SC 231	Sociology for Health Professionals

### Additional Requirements for Bachelor of Arts Degree

BL	Biblical Languages Electives <b>or</b>
ML	Modern Languages Electives . . . . . 6-12 <sup>2</sup>

### Liberal Arts Requirements for Associate Degree

BI 105	Old Testament Introduction . . . . .	2	EN 121	English Grammar and Composition I <sup>1</sup> . . . . .	3
BI 205	New Testament Introduction . . . . .	2	EN 126	English Grammar and Composition II . . . . .	3
BI 321	Bible Doctrines . . . . .	2	MA	Mathematics Elective <sup>1</sup> . . . . .	3
BI 322	Bible Doctrines . . . . .	2	SP 101	Fundamentals of Speech . . . . .	3
CS 101	Introduction to Computer Applications . . . . .	0-1		Social Science Course (prescribed) .	3

<sup>1</sup>Entry-level course determined by placement exam.

<sup>2</sup>Students whose major requires them to take a foreign language must take all credits in the same language. Music majors may not take Latin to satisfy their language requirements.

# LIBERAL ARTS MAJOR

## ASSOCIATE OF ARTS DEGREE

The purpose of the Associate of Arts degree in Liberal Arts is to provide students the facts and skills necessary to think critically and to communicate effectively from a biblical worldview.

**Learning Outcomes:** Graduates of the A.A. in Liberal Arts will be able to

- recognize the historical events and literary works that have influenced Western civilization;
- recognize how society is influenced by worldview;
- communicate clearly and effectively in speaking and writing;
- develop an ability to analyze, evaluate, and synthesize ideas; and
- apply fundamental principles of mathematics and science to analyze and solve problems.

### Academic Program Fee

\$10 per semester or 3 payments of \$3.33 (p. 21)

## Liberal Arts Major

### Recommended Course Sequence

#### FIRST YEAR

Fall		Spring	
BI 105	Old Testament Introduction . . . . . 2	BI 205	New Testament Introduction . . . . . 2
EN 121	English Grammar/Composition I . . 3	EN 126	English Grammar/Composition II . 3
HI 101	History of Civilization . . . . . 3	HI 102	History of Civilization . . . . . 3
MA	Mathematics Elective . . . . . 3	SC	Science Elective . . . . . 3
SP 101	Fundamentals of Speech . . . . . 3		Electives. . . . . 5
<b>Total Hours</b>	<b>14</b>	<b>Total Hours</b>	<b>16</b>

#### SECOND YEAR

BI 321	Bible Doctrines . . . . . 2	BI 322	Bible Doctrines . . . . . 2
CS/MA/SC	Computer Science/Mathematics/ Science Elective. . . . . 3		Social Science Elective* . . . . . 3
EN 210	Introduction to Literature . . . . . 3		Electives. . . . . 10
	Electives. . . . . 7		
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>15</b>

\*Elective courses (p. 53)

# DIVISION OF BIBLICAL STUDIES

**The purpose of this division** is to prepare Christian servant-leaders with a knowledge of the Bible, to develop their discernment to rightly divide the Word of Truth, and to equip them to take the gospel of Christ to the world.

This division comprises the **Bible department**, which offers undergraduate Bible degrees along with graduate degrees offered under the auspices of Pensacola Theological Seminary.

56–82 Bible Department

[Pensacola Theological Seminary](#)

(See Seminary & Graduate Studies Catalog.)



**Dr. Dan Rushing**  
Dean of Biblical Studies





# BIBLE DEPARTMENT

*Division of Biblical Studies*

Dr. Jody Wolf, Chair

## Undergraduate Degrees

### Bachelor of Arts

#### **57 Bible Major**

#### **80 General Studies Emphasis**

Concentrations:

**72** Missions

**77** Music Ministries

**58** Pastoral Ministries

**60** Youth Ministries

Emphases:

**61–63** Church Music

**64–65** Digital Media

**66–67** Education

**68–69** Physical Education

**70–71** Speech

#### **203, 205–206 Minors**

Biblical Languages, Missions,  
Music Ministries

## Graduate Certificates and Degrees

### Offered by Pensacola Theological Seminary

(See Seminary & Graduate Studies Catalog.)

#### Graduate Certificates

Biblical Studies

New Testament Studies

Old Testament Studies

Pastoral Ministries

Theological Studies

#### Master of Arts

Bible Exposition

Biblical Languages

#### Master of Church Music

#### Master of Ministry

#### Master of Divinity

#### Doctor of Ministry



The **Bible department** has a fourfold purpose for every student:

1. Provide a firm foundation for teaching spiritual truths;
2. provide training in practical application of the student's knowledge of the Word of God;
3. give the student a proper understanding of and appreciation for the Scriptures as the inerrant, infallible, and authoritative Word of God; and
4. give the student a proper understanding of himself in relation to Almighty God as a redeemed sinner who has become a child of God with a servant's heart. Therefore, all students take Bible courses as a part of their general requirements.

## **BIBLE MAJOR** **BACHELOR OF ARTS DEGREE**

**The purpose of the Bible major** is for students to know and cherish God and His Word and to learn principles and methods for practical Christian living, building a knowledgeable foundation in the Scriptures.

**Learning Outcomes:** Graduates of the Bible program will be able to

- demonstrate thorough knowledge of the content and themes of the Word of God,
- defend sound doctrine,
- evaluate current issues in light of biblical teaching,
- develop a biblical philosophy of ministry, and
- present biblical truth correctly and clearly.

*(Additional learning outcomes are listed for each concentration.)*

### **Academic Requirements**

All Bible majors earning a Bachelor of Arts degree must pass the Bible Comprehensive Exam during their final semester. Students who fail to achieve the established score on the exam will be given the opportunity to take BI 490 Bible Comprehensive Review during Interterm or Post-term and will be required to pass this course to graduate as a Bible major.

## PASTORAL MINISTRIES CONCENTRATION

**The purpose of the pastoral ministries concentration** is to prepare young men for the pastorate.

**Additional Learning Outcomes:** Graduates of the pastoral ministries concentration will also be able to

- demonstrate skills necessary for effective local church leadership and
- develop expository sermons.

The pastoral ministries concentration trains young men preparing for the pastorate. The student is taught first and foremost a love and respect for the Bible and how to rightly divide the Word of Truth. Academic teaching is integrated with spiritual application. Principles taught in the classroom are reinforced by example in the ministry of Campus Church and by experience through weekly Christian service activities such as youth work, visitation, hospital and prison ministries, and personal soulwinning.

Each year Bible-believing pastors and evangelists are invited to speak in College chapel and Ministerial Seminar. Students are privileged to hear some of the greatest preachers in America and learn from those who are “doing the job” and are “in the battle.”

### Ministerial Seminar

Pastoral ministries students are required to complete eight semesters of Ministerial Seminar, including their last four semesters.

### Pastoral Internship Program

PCC provides its ministerial students with “hands-on experience” through a well-designed Pastoral Internship program. Students spend a summer working under the leadership of a seasoned pastor and participate in every facet of a local church ministry including visitation, preaching, and teaching. “Training the next generation of preachers” is more than a motto; at Pensacola Christian College, it is an everyday reality.

### Evangelism Emphasis

Pastoral ministries students may complete an evangelism emphasis by earning credit for EE 330 Teaching Bible and PR 341, 342 Evangelism Practicum.

### Academic Program Fee

\$10 per semester or 3 payments of \$3.33 (p. 21)

# Pastoral Ministries Concentration

## Recommended Course Sequence

### FRESHMAN

Fall	Spring
BI 105 Old Testament Introduction . . . . .2	BI 205 New Testament Introduction . . . . .2
EN 121 English Grammar/Composition I . .3	BI/BB/BL Bible Elective. . . . .2
HI 101 History of Civilization . . . . .3	EN 126 English Grammar/Composition II . .3
MA Mathematics Elective . . . . .3	HI 102 History of Civilization . . . . .3
PR 101 Ministerial Seminar . . . . .1	PR 102 Ministerial Seminar . . . . .1
SP 101 Fundamentals of Speech . . . . .3	PR 240 Evangelism and Discipleship. . . . .2
	PR 204 Bible and Practical Ministry <sup>1</sup> . . . . .1
<b>Total Hours</b> . . . . .15	<b>Total Hours</b> . . . . .14

### SOPHOMORE

BI 321 Bible Doctrines . . . . .2	BI 233 Life of David . . . . .2
BL 101 Elementary Greek . . . . .4	BI 322 Bible Doctrines . . . . .2
CS/MA/SC Computer Science/Mathematics/ Science Elective. . . . .3	BL 102 Elementary Greek. . . . .4
EN 210 Introduction to Literature. . . . .3	PR 202 Ministerial Seminar . . . . .1
PR 201 Ministerial Seminar . . . . .1	SP 250 Public Speaking . . . . .3
SP 201 Voice and Diction . . . . .2	Minor or Elective. . . . .3
	PR 304 Bible and Practical Ministry <sup>1</sup> . . . . .1
<b>Total Hours</b> . . . . .15	<b>Total Hours</b> . . . . .16

### JUNIOR

BI 303 Hebrew History I . . . . .2	BI 304 Hebrew History II . . . . .2
BI 320 Isaiah . . . . .2	BI 312 Romans . . . . .2
CR 370 Origins . . . . .2	BI 317 Galatians and the Prison Epistles . .2
PR 214 Church Organization and Administration. . . . .2	BI 370 Worldview and Apologetics. . . . .2
PR 301 Ministerial Seminar . . . . .1	BI/BB/BL Bible Elective. . . . .2
PR 315 Homiletics I . . . . .2	MI 412 Church Planting Seminar . . . . .1
PR 327 Church Ministries Internship . . . . .1	PR 302 Ministerial Seminar . . . . .1
Minor or Elective. . . . .2	PR 316 Homiletics II. . . . .2
	PR 328 Church Ministries Internship . . . . .1
<b>Total Hours</b> . . . . .14	PR 404 Bible and Practical Ministry <sup>1,2</sup> . . . . .1
	<b>Total Hours</b> . . . . .16

### SENIOR

BB 411 Church History I . . . . .2	BB 412 Church History II . . . . .2
BI 319 I and II Timothy and Titus . . . . .2	BI 314 Genesis . . . . .3
BI 414 Revelation . . . . .2	BI/BB/BL Bible Elective. . . . .2
BI 416 Hebrews and James. . . . .2	PR 312 Youth Ministry. . . . .2
BI/BB/BL Bible Elective. . . . .2	PR 314 Church Business. . . . .1
PR 320 Baptist Polity . . . . .1	PR 362 Introduction to Biblical Counseling. . . . .1
PR 401 Ministerial Seminar . . . . .1	PR 402 Ministerial Seminar . . . . .1
SC Science Elective . . . . .3	PR 415 Marriage and Family Education . .3
<b>Total Hours</b> . . . . .15	<b>Total Hours</b> . . . . .15

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>2</sup>MI 207 may replace PR 404.

## YOUTH MINISTRIES CONCENTRATION

**The purpose of the youth ministries concentration** is to prepare Christians for effective work with youth.

**Additional Learning Outcome:** Graduates of the youth ministries concentration will also be able to demonstrate skills necessary for effective youth ministry.

There is a great need in the world today for Christian workers who can teach the Bible effectively to youth. Youth ministries students have “hands-on” experience working with the large youth group at Campus Church or other local Bible-believing churches. Students must complete an emphasis in church music, digital media, education, physical education, or speech.

### **Ministerial Seminar**

Ministerial students are required to complete seven semesters of Ministerial Seminar, including their last four semesters.

### **Academic Program Fee**

\$10 per semester or 3 payments of \$3.33 (speech emphasis is \$20 per semester or 3 payments of \$6.67; digital media emphasis is \$80 per semester or 3 payments of \$26.67). Students taking music lessons or group instruction pay appropriate music course fees (p. 21).

### **Church Music Emphasis (Recommended Course Sequence, pp. 61–63)**

Students must demonstrate ability in one area of applied music and take half-hour instruction in this area for four semesters (voice, keyboard, organ, or one of the standard band or orchestral instruments). Previous voice training is not required of voice students. Organ lessons require at least three years of piano background. A platform and recital are not required.

### **Digital Media Emphasis (Recommended Course Sequence, pp. 64–65)**

**Technology Requirements:** Students enrolled in 300- or 400-level art courses are required to own a personal laptop for use in class. An Adobe Creative Cloud subscription is also required. Laptop specifications must meet minimum Adobe Creative Cloud system requirements.

### **Education Emphasis (Recommended Course Sequence, pp. 66–67)**

**Physical Education Emphasis** (Recommended Course Sequence, pp. 68–69)

**Extracurricular Activity Requirement:** Students in this emphasis must participate in several semesters of intercollegiate or intramural sports or an approved alternative.

**Fitness Test:** Students in this emphasis must pass the Physical Fitness Test or take either PE 160/170 Swimming/Physical Fitness or PE 283/273 Physical Fitness (minimum grade of “C-” required).

**Speech Emphasis** (Recommended Course Sequence, pp. 70–71)

To continue in speech emphasis, students must successfully complete a sophomore speech platform and enroll in SP 999 Speech Repertoire when taking private lessons. A recital is not required.

## Youth Ministries Concentration

**Church Music Emphasis (Ministerial)**

## Recommended Course Sequence

## FRESHMAN

## Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
PR 101	Ministerial Seminar . . . . .	1
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 15**

## Spring

BI 205	New Testament Introduction . . . . .	2
BI 233	Life of David . . . . .	2
EN 126	English Grammar/Composition II . .	3
HI 102	History of Civilization . . . . .	3
PR 102	Ministerial Seminar . . . . .	1
PR 240	Evangelism and Discipleship . . . .	2
PR 204	Bible and Practical Ministry <sup>1</sup> . . . .	1

**Total Hours . . . . . 14**

## SOPHOMORE

BI 321	Bible Doctrines . . . . .	2	BI 312	Romans . . . . .	2
BL 101	Elementary Greek . . . . .	4	BI 322	Bible Doctrines . . . . .	2
MU 100	Foundations of Church Music . . . .	4	BL 102	Elementary Greek . . . . .	4
PR 201	Ministerial Seminar . . . . .	1	EE 330	Teaching Bible . . . . .	1
SC	Science Elective . . . . .	3	EN 210	Introduction to Literature . . . . .	3
SP 201	Voice and Diction . . . . .	2	PR 312	Youth Ministry . . . . .	2
			PR 304	Bible and Practical Ministry <sup>1</sup> . . . .	1

**Total Hours . . . . . 16**

**Total Hours . . . . . 16**

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)

## JUNIOR

### Fall

BI 319 I and II Timothy and Titus . . . . .	2
CR 370 Origins . . . . .	2
CS/MA/SC Computer Science/Mathematics/ Science Elective. . . . .	3
MU 226 Choral Methods . . . . .	2
PR 202 Ministerial Seminar . . . . .	1
PR 315 Homiletics I . . . . .	2
PR 327 Church Ministries Internship . . . . .	1
PR 420 Youth Ministries Practicum . . . . .	2
Applied Music <sup>2,3,4</sup> . . . . .	1

**Total Hours . . . . . 16**

### Spring

BI 314 Genesis . . . . .	3
BI 370 Worldview and Apologetics. . . . .	2
MI 412 Church Planting Seminar. . . . .	1
PR 301 Ministerial Seminar . . . . .	1
PR 316 Homiletics II. . . . .	2
PR 328 Church Ministries Internship. . . . .	1
PR 415 Marriage and Family Education . . . . .	3
Applied Music <sup>2,3,4</sup> . . . . .	1
PR 404 Bible and Practical Ministry <sup>1,5</sup> . . . . .	1

**Total Hours . . . . . 15**

## SENIOR

BB 411 Church History I . . . . .	2
BI 303 Hebrew History I . . . . .	2
BI 320 Isaiah . . . . .	2
CC 131 College Choir <sup>6</sup> . . . . .	1
MU 402 Church Music Philosophy and Administration. . . . .	2
PR 302 Ministerial Seminar . . . . .	1
PR 306 Interpersonal Relationships. . . . .	3
PR 320 Baptist Polity . . . . .	1
Applied Music <sup>2,3,4</sup> . . . . .	1

**Total Hours . . . . . 15**

BB 412 Church History II . . . . .	2
BI 304 Hebrew History II . . . . .	2
BI 317 Galatians and the Prison Epistles . . . . .	2
BI 414 Revelation . . . . .	2
BI 416 Hebrews and James. . . . .	2
CC 132 College Choir <sup>6</sup> . . . . .	1
PR 362 Introduction to Biblical Counseling. . . . .	1
PR 401 Ministerial Seminar . . . . .	1
Applied Music <sup>2,3,4</sup> . . . . .	1

**Total Hours . . . . . 14**

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>2</sup>Instrumental emphasis—four half-hour private lessons.

<sup>3</sup>Keyboard emphasis—MU 105–106 and two half-hour private lessons.

<sup>4</sup>Vocal emphasis—MU 121–122; VO 231–232.

<sup>5</sup>MI 207 may replace PR 404.

<sup>6</sup>Instrumental emphasis takes Orchestra.



## Youth Ministries Concentration

**Church Music Emphasis (Nonministerial)**

## Recommended Course Sequence

## FRESHMAN

## Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 14**

## Spring

BI 205	New Testament Introduction . . . . .	2
BI 233	Life of David . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
PR 240	Evangelism and Discipleship . . . . .	2

**Total Hours . . . . . 14**

## SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
BL 101	Elementary Greek . . . . .	4
MU 100	Foundations of Church Music . . . . .	4
SC	Science Elective . . . . .	3
SP 201	Voice and Diction . . . . .	2

**Total Hours . . . . . 15**

BI 322	Bible Doctrines . . . . .	2
BI/BB/BL	Bible Elective . . . . .	4
BL 102	Elementary Greek . . . . .	4
EN 210	Introduction to Literature . . . . .	3
PR 312	Youth Ministry . . . . .	2

**Total Hours . . . . . 15**

## JUNIOR

BI 312	Romans . . . . .	2
BI 320	Isaiah . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
CR 370	Origins . . . . .	2
MU 226	Choral Methods . . . . .	2
PR 420	Youth Ministries Practicum . . . . .	2
	Applied Music <sup>1,2,3</sup> . . . . .	1
	Minor or Elective . . . . .	3

**Total Hours . . . . . 16**

BI 314	Genesis . . . . .	3
BI 319	I and II Timothy and Titus . . . . .	2
BI 370	Worldview and Apologetics . . . . .	2
BI 416	Hebrews and James . . . . .	2
PR 415	Marriage and Family Education . . . . .	3
SP 207	Storytelling . . . . .	2
	Applied Music <sup>1,2,3</sup> . . . . .	1

**Total Hours . . . . . 15**

## SENIOR

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
CC 131	College Choir <sup>4</sup> . . . . .	1
EE 330	Teaching Bible . . . . .	2
MU 402	Church Music Philosophy and Administration . . . . .	2
PR 306	Interpersonal Relationships . . . . .	3
	Applied Music <sup>1,2,3</sup> . . . . .	1

**Total Hours . . . . . 15**

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 317	Galatians and the Prison Epistles . . . . .	2
BI 414	Revelation . . . . .	2
CC 132	College Choir <sup>4</sup> . . . . .	1
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
ED 430	Instructional Methods . . . . .	2
PR 362	Introduction to Biblical Counseling . . . . .	1
	Applied Music <sup>1,2,3</sup> . . . . .	1

**Total Hours . . . . . 16**

<sup>1</sup>Instrumental emphasis—four half-hour private lessons.

<sup>2</sup>Keyboard emphasis—MU 105–106 and two half-hour private lessons.

<sup>3</sup>Vocal emphasis—MU 121–122; VO 231–232.

<sup>4</sup>Instrumental emphasis takes Orchestra.



Youth Ministries Concentration

**Digital Media Emphasis (Ministerial)**

Recommended Course Sequence

**FRESHMAN**

**Fall**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
PR 101	Ministerial Seminar . . . . .	1
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 15**

**Spring**

AR 120	Digital Typography . . . . .	3
BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
PR 102	Ministerial Seminar . . . . .	1
PR 240	Evangelism and Discipleship. . . . .	2
PR 204	Bible and Practical Ministry <sup>1</sup> . . . . .	1

**Total Hours . . . . . 15**

**SOPHOMORE**

AR 241	Introduction to the Mass Media . . . . .	3
BI 233	Life of David . . . . .	2
BI 321	Bible Doctrines . . . . .	2
BL 101	Elementary Greek . . . . .	4
EE 330	Teaching Bible . . . . .	2
PR 201	Ministerial Seminar . . . . .	1
SP 201	Voice and Diction . . . . .	2

**Total Hours . . . . . 16**

AR 220	Digital Graphics . . . . .	3
BI 322	Bible Doctrines . . . . .	2
BL 102	Elementary Greek . . . . .	4
EN 210	Introduction to Literature . . . . .	3
PR 312	Youth Ministry . . . . .	2
PR 304	Bible and Practical Ministry <sup>1</sup> . . . . .	1

**Total Hours . . . . . 15**

**JUNIOR**

AR 323	Principles of Digital Multimedia Technology . . . . .	3
BI 320	Isaiah . . . . .	2
CR 370	Origins . . . . .	2
PR 202	Ministerial Seminar . . . . .	1
PR 315	Homiletics I . . . . .	2
PR 327	Church Ministries Internship . . . . .	1
PR 420	Youth Ministries Practicum . . . . .	2
SC	Science Elective . . . . .	3

**Total Hours . . . . . 16**

AR 364	Media Studio Production . . . . .	3
BI 314	Genesis . . . . .	3
BI 317	Galatians and the Prison Epistles . . . . .	2
BI 370	Worldview and Apologetics . . . . .	2
MI 412	Church Planting Seminar . . . . .	1
PR 301	Ministerial Seminar . . . . .	1
PR 316	Homiletics II . . . . .	2
PR 328	Church Ministries Internship . . . . .	1
PR 404	Bible and Practical Ministry <sup>1,2</sup> . . . . .	1

**Total Hours . . . . . 16**

**SENIOR**

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I . . . . .	2
BI 312	Romans . . . . .	2
BI 319	I and II Timothy and Titus . . . . .	2
CS 211	Introduction to Web Design . . . . .	3
PR 302	Ministerial Seminar . . . . .	1
PR 320	Baptist Polity . . . . .	1

**Total Hours . . . . . 13**

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 414	Revelation . . . . .	2
BI 416	Hebrews and James . . . . .	2
PR 306	Interpersonal Relationships . . . . .	3
PR 362	Introduction to Biblical Counseling . . . . .	1
PR 401	Ministerial Seminar . . . . .	1
PR 415	Marriage and Family Education . . . . .	3

**Total Hours . . . . . 16**

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>2</sup>MI 207 may replace PR 404.

Youth Ministries Concentration

**Digital Media Emphasis (Nonministerial)**

Recommended Course Sequence

FRESHMAN

Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 14**

Spring

AR 120	Digital Typography . . . . .	3
BI 205	New Testament Introduction . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
EN 126	English Grammar/Composition II . . .	3
HI 102	History of Civilization . . . . .	3
PR 240	Evangelism and Discipleship . . . . .	2

**Total Hours . . . . . 15**

SOPHOMORE

AR 241	Introduction to the Mass Media . . .	3
BI 233	Life of David . . . . .	2
BI 321	Bible Doctrines . . . . .	2
BL 101	Elementary Greek . . . . .	4
SC	Science Elective . . . . .	3
SP 201	Voice and Diction . . . . .	2

**Total Hours . . . . . 16**

AR 220	Digital Graphics . . . . .	3
BI 322	Bible Doctrines . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
BL 102	Elementary Greek . . . . .	4
EN 210	Introduction to Literature . . . . .	3
PR 312	Youth Ministry . . . . .	2

**Total Hours . . . . . 16**

JUNIOR

AR 323	Principles of Digital Multimedia Technology . . . . .	3
BI 312	Romans . . . . .	2
BI 320	Isaiah . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
CR 370	Origins . . . . .	2
EE 330	Teaching Bible . . . . .	2
PR 420	Youth Ministries Practicum . . . . .	2

**Total Hours . . . . . 15**

AR 364	Media Studio Production . . . . .	3
BI 314	Genesis . . . . .	3
BI 317	Galatians and the Prison Epistles . . .	2
BI 370	Worldview and Apologetics . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
PR 306	Interpersonal Relationships . . . . .	3

**Total Hours . . . . . 15**

SENIOR

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I . . . . .	2
BI 319	I and II Timothy and Titus . . . . .	2
CS 211	Introduction to Web Design . . . . .	3
SP 207	Storytelling . . . . .	2
	Minor or Elective . . . . .	2

**Total Hours . . . . . 13**

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 414	Revelation . . . . .	2
BI 416	Hebrews and James . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
ED 430	Instructional Methods . . . . .	2
PR 362	Introduction to Biblical Counseling . . . . .	1
PR 415	Marriage and Family Education . . .	3

**Total Hours . . . . . 16**

## Youth Ministries Concentration

**Education Emphasis (Ministerial)**

## Recommended Course Sequence

Fall		FRESHMAN		Spring	
BI 105	Old Testament Introduction . . . . .	2	BI 205	New Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3	BI 233	Life of David . . . . .	2
HI 101	History of Civilization . . . . .	3	EN 126	English Grammar/Composition II . . . . .	3
MA	Mathematics Elective . . . . .	3	HI 102	History of Civilization . . . . .	3
PR 101	Ministerial Seminar . . . . .	1	PR 102	Ministerial Seminar . . . . .	1
SP 101	Fundamentals of Speech . . . . .	3	PR 240	Evangelism and Discipleship. . . . .	2
			PR 204	Bible and Practical Ministry <sup>1</sup> . . . . .	1
<b>Total Hours . . . . .</b>			<b>Total Hours . . . . .</b>		
			<b>15</b>		
			<b>14</b>		

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2	BI 312	Romans . . . . .	2
BL 101	Elementary Greek . . . . .	4	BI 317	Galatians and the Prison Epistles . . . . .	2
ED 101	Philosophy of Christian Education . . . . .	3	BI 322	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3	BL 102	Elementary Greek . . . . .	4
PR 201	Ministerial Seminar . . . . .	1	EE 201	Materials and Methods <b>or</b>	
SP 201	Voice and Diction . . . . .	2	SE 201	General Teaching Methods . . . . .	3
			PR 312	Youth Ministry . . . . .	2
			PR 304	Bible and Practical Ministry <sup>1</sup> . . . . .	1
<b>Total Hours . . . . .</b>			<b>Total Hours . . . . .</b>		
			<b>15</b>		
			<b>16</b>		

**JUNIOR**

BI 320	Isaiah . . . . .	2	BI 314	Genesis . . . . .	3
CR 370	Origins . . . . .	2	BI 370	Worldview and Apologetics . . . . .	2
EE 330	Teaching Bible . . . . .	2	ED 413	Child Growth and Development <b>or</b>	
PR 202	Ministerial Seminar . . . . .	1	ED 415	Adolescent Growth/Development . . . . .	3
PR 315	Homiletics I . . . . .	2	MI 412	Church Planting Seminar . . . . .	1
PR 327	Church Ministries Internship . . . . .	1	PR 301	Ministerial Seminar . . . . .	1
PR 420	Youth Ministries Practicum . . . . .	2	PR 316	Homiletics II . . . . .	2
SC	Science Elective . . . . .	3	PR 328	Church Ministries Internship . . . . .	1
EE/SE 210	Elementary/Secondary Education Practicum <sup>2</sup> . . . . .	1		Education Elective <sup>3</sup> . . . . .	2
			PR 404	Bible and Practical Ministry <sup>1,4</sup> . . . . .	1
<b>Total Hours . . . . .</b>			<b>Total Hours . . . . .</b>		
			<b>16</b>		
			<b>16</b>		

**SENIOR**

BB 411	Church History I . . . . .	2	BB 412	Church History II . . . . .	2
BI 303	Hebrew History I . . . . .	2	BI 304	Hebrew History II . . . . .	2
BI 319	I and II Timothy and Titus . . . . .	2	BI 414	Revelation . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3	BI 416	Hebrews and James . . . . .	2
ED 322	Educational Psychology . . . . .	3	PR 306	Interpersonal Relationships . . . . .	3
PR 302	Ministerial Seminar . . . . .	1	PR 362	Introduction to Biblical Counseling . . . . .	1
PR 320	Baptist Polity . . . . .	1	PR 401	Ministerial Seminar . . . . .	1
			PR 415	Marriage and Family Education . . . . .	3
<b>Total Hours . . . . .</b>			<b>Total Hours . . . . .</b>		
			<b>14</b>		
			<b>16</b>		

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)<sup>2</sup>Taken during Interterm. (See p. 19 for additional cost.)<sup>3</sup>Elective to be chosen from ED 102, 219, EE 412, or SE 321<sup>4</sup>MI 207 may replace PR 404.

Youth Ministries Concentration

**Education Emphasis (Nonministerial)**

Recommended Course Sequence

**FRESHMAN**

**Fall**

**Spring**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

BI 205	New Testament Introduction . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
ED 101	Philosophy of Christian Education . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
PR 240	Evangelism and Discipleship . . . . .	2

**Total Hours . . . . . 14**

**Total Hours . . . . . 15**

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
BL 101	Elementary Greek . . . . .	4
EN 210	Introduction to Literature . . . . .	3
SC	Science Elective . . . . .	3
SP 201	Voice and Diction . . . . .	2

BI 322	Bible Doctrines . . . . .	2
BL 102	Elementary Greek . . . . .	4
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
EE 201	Materials and Methods <b>or</b>	
SE 201	General Teaching Methods . . . . .	3
PR 312	Youth Ministry . . . . .	2

**Total Hours . . . . . 16**

**Total Hours . . . . . 14**

**JUNIOR**

BI 233	Life of David . . . . .	2
BI 320	Isaiah . . . . .	2
BI/BB/BL	Bible Electives . . . . .	4
CR 370	Origins . . . . .	2
EE 330	Teaching Bible . . . . .	2
PR 420	Youth Ministries Practicum . . . . .	2
EE/SE 210	Elementary/Secondary Education Practicum <sup>1</sup> . . . . .	1

BI 314	Genesis . . . . .	3
BI 317	Galatians and the Prison Epistles . . . . .	2
BI 370	Worldview and Apologetics . . . . .	2
BI/BB/BL	Bible Electives . . . . .	4
ED 413	Child Growth and Development <b>or</b>	
ED 415	Adolescent Growth and Development . . . . .	3
	Education Elective <sup>2</sup> . . . . .	2

**Total Hours . . . . . 15**

**Total Hours . . . . . 16**

**SENIOR**

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I . . . . .	2
BI 312	Romans . . . . .	2
BI 319	I and II Timothy and Titus . . . . .	2
ED 322	Educational Psychology . . . . .	3
SP 207	Storytelling . . . . .	2
	Minor or Elective . . . . .	2

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 414	Revelation . . . . .	2
BI 416	Hebrews and James . . . . .	2
PR 306	Interpersonal Relationships . . . . .	3
PR 362	Introduction to Biblical Counseling . . . . .	1
PR 415	Marriage and Family Education . . . . .	3

**Total Hours . . . . . 15**

**Total Hours . . . . . 15**

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Elective to be chosen from ED 102, 219, EE 412, or SE 321

Youth Ministries Concentration

**PE Emphasis (Ministerial)**

Recommended Course Sequence

**FRESHMAN**

**Fall**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . .	3
MA	Mathematics Elective . . . . .	3
PE 184	Fall Team Sports . . . . .	2
PE 191	Sport Physiology . . . . .	2
PR 101	Ministerial Seminar . . . . .	1
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 16**

**Spring**

BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . .	3
HI 101	History of Civilization . . . . .	3
PE 187	Spring Team Sports . . . . .	2
PE 196	Introduction to Coaching . . . . .	1
PR 102	Ministerial Seminar . . . . .	1
PR 240	Evangelism and Discipleship . . . . .	2
PR 204	Bible and Practical Ministry <sup>1</sup> . . . . .	1

**Total Hours . . . . . 15**

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
BL 101	Elementary Greek . . . . .	4
HI 102	History of Civilization . . . . .	3
PE	Coaching Elective . . . . .	2
PR 201	Ministerial Seminar . . . . .	1
SC	Science Elective . . . . .	3

**Total Hours . . . . . 15**

BI 233	Life of David . . . . .	2
BI 322	Bible Doctrines . . . . .	2
BL 102	Elementary Greek . . . . .	4
EN 210	Introduction to Literature . . . . .	3
PR 312	Youth Ministry . . . . .	2
SP 201	Voice and Diction . . . . .	2
PR 304	Bible and Practical Ministry <sup>1</sup> . . . . .	1

**Total Hours . . . . . 16**

**JUNIOR**

BI 312	Romans . . . . .	2
CR 370	Origins . . . . .	2
EE 330	Teaching Bible . . . . .	2
PE 321	Kinesiology . . . . .	2
PR 202	Ministerial Seminar . . . . .	1
PR 315	Homiletics I . . . . .	2
PR 327	Church Ministries Internship . . . . .	1
PR 420	Youth Ministries Practicum . . . . .	2

**Total Hours . . . . . 14**

BI 314	Genesis . . . . .	3
BI 317	Galatians and the Prison Epistles . . .	2
BI 370	Worldview and Apologetics . . . . .	2
MI 412	Church Planting Seminar . . . . .	1
PR 301	Ministerial Seminar . . . . .	1
PR 316	Homiletics II . . . . .	2
PR 328	Church Ministries Internship . . . . .	1
PR 415	Marriage and Family Education . . .	3
PR 404	Bible and Practical Ministry <sup>1,2</sup> . . . . .	1

**Total Hours . . . . . 16**

**SENIOR**

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I . . . . .	2
BI 320	Isaiah . . . . .	2
BI 416	Hebrews and James . . . . .	2
PE	Coaching Elective . . . . .	2
PR 302	Ministerial Seminar . . . . .	1
PR 306	Interpersonal Relationships . . . . .	3
PR 320	Baptist Polity . . . . .	1

**Total Hours . . . . . 15**

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 319	I and II Timothy and Titus . . . . .	2
BI 414	Revelation . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
PE 301	Organization and Administration of Physical Education . . . . .	2
PR 362	Intro. to Biblical Counseling . . . . .	1
PR 401	Ministerial Seminar . . . . .	1

**Total Hours . . . . . 15**

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>2</sup>MI 207 may replace PR 404.

Youth Ministries Concentration

**PE Emphasis (Nonministerial)**

Recommended Course Sequence

**FRESHMAN**

**Fall**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
MA	Mathematics Elective . . . . .	3
PE 184	Fall Team Sports . . . . .	2
PE 191	Sport Physiology . . . . .	2
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 15**

**Spring**

BI 205	New Testament Introduction . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
EN 126	English Grammar/Composition II . . . . .	3
HI 101	History of Civilization . . . . .	3
PE 187	Spring Team Sports . . . . .	2
PE 196	Introduction to Coaching . . . . .	1
PR 240	Evangelism and Discipleship . . . . .	2

**Total Hours . . . . . 15**

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
BL 101	Elementary Greek . . . . .	4
EE 330	Teaching Bible . . . . .	2
HI 102	History of Civilization . . . . .	3
PE	Coaching Elective . . . . .	2
SC	Science Elective . . . . .	3

**Total Hours . . . . . 16**

BI 322	Bible Doctrines . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
BL 102	Elementary Greek . . . . .	4
EN 210	Introduction to Literature . . . . .	3
PR 312	Youth Ministry . . . . .	2
SP 201	Voice and Diction . . . . .	2

**Total Hours . . . . . 15**

**JUNIOR**

BI 233	Life of David . . . . .	2
CR 370	Origins . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
PR 306	Interpersonal Relationships . . . . .	3
PR 420	Youth Ministries Practicum . . . . .	2
	Minor or Elective . . . . .	2

**Total Hours . . . . . 14**

BI 314	Genesis . . . . .	3
BI 317	Galatians and the Prison Epistles . . . . .	2
BI 370	Worldview and Apologetics . . . . .	2
BI/BB/BL	Bible Electives . . . . .	4
PR 415	Marriage and Family Education . . . . .	3
SP 207	Storytelling . . . . .	2

**Total Hours . . . . . 16**

**SENIOR**

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I . . . . .	2
BI 320	Isaiah . . . . .	2
BI 416	Hebrews and James . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
PE 321	Kinesiology . . . . .	2
PE	Coaching Elective . . . . .	2

**Total Hours . . . . . 14**

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 312	Romans . . . . .	2
BI 319	I and II Timothy and Titus . . . . .	2
BI 414	Revelation . . . . .	2
ED 430	Instructional Methods . . . . .	2
PR 301	Organization and Administration of Physical Education . . . . .	2
PR 362	Introduction to Biblical Counseling . . . . .	1

**Total Hours . . . . . 15**

Youth Ministries Concentration

**Speech Emphasis (Ministerial)**

Recommended Course Sequence

**FRESHMAN**

**Fall**

**Spring**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
PR 101	Ministerial Seminar . . . . .	1
SP 101	Fundamentals of Speech . . . . .	3

BI 102	New Testament Introduction . . . . .	2
BI 233	Life of David . . . . .	2
EN 126	English Grammar/Composition II . .	3
HI 102	History of Civilization . . . . .	3
PR 102	Ministerial Seminar . . . . .	1
SP 102	Fundamentals of Speech . . . . .	3
PR 204	Bible and Practical Ministry <sup>1</sup> . . . .	1

**Total Hours . . . . . 15**

**Total Hours . . . . . 15**

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
BL 101	Elementary Greek . . . . .	4
EE 330	Teaching Bible . . . . .	2
PR 201	Ministerial Seminar . . . . .	1
SC	Science Elective . . . . .	3
SP 201	Voice and Diction . . . . .	2
SP 203	Oral Interpretation of Poetry . . . .	2

**Total Hours . . . . . 16**

BI 312	Romans . . . . .	2
BI 322	Bible Doctrines . . . . .	2
BL 102	Elementary Greek . . . . .	4
EN 210	Introduction to Literature . . . . .	3
PR 240	Evangelism and Discipleship . . . .	2
PR 312	Youth Ministry . . . . .	2
PR 304	Bible and Practical Ministry <sup>1</sup> . . . .	1

**Total Hours . . . . . 16**

**JUNIOR**

BI 320	Isaiah . . . . .	2
BI 321	Bible Doctrines . . . . .	2
CR 370	Origins . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
PR 202	Ministerial Seminar . . . . .	1
PR 315	Homiletics I . . . . .	2
PR 327	Church Ministries Internship . . . .	1
PR 415	Marriage and Family Education . .	3
PR 420	Youth Ministries Practicum . . . . .	2

**Total Hours . . . . . 16**

BI 314	Genesis . . . . .	3
BI 317	Galatians and the Prison Epistles .	2
BI 319	I and II Timothy and Titus . . . . .	2
BI 370	Worldview and Apologetics . . . . .	2
MI 412	Church Planting Seminar . . . . .	1
PR 301	Ministerial Seminar . . . . .	1
PR 316	Homiletics II . . . . .	2
PR 328	Church Ministries Internship . . . .	1
PR 404	Bible and Practical Ministry <sup>1,2</sup> . . .	1

**Total Hours . . . . . 15**

**SENIOR**

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I . . . . .	2
BI 416	Hebrews and James . . . . .	2
PR 302	Ministerial Seminar . . . . .	1
PR 306	Interpersonal Relationships . . . . .	3
PR 320	Baptist Polity . . . . .	1
SP 240	Stagecraft . . . . .	3
SP 331	Private Speech Lessons . . . . .	1

**Total Hours . . . . . 15**

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 414	Revelation . . . . .	2
PR 362	Introduction to Biblical Counseling . . . . .	1
PR 401	Ministerial Seminar . . . . .	1
SP 307	Introduction to Dramatic Production . . . . .	4
SP 332	Private Speech Lessons . . . . .	1

**Total Hours . . . . . 13**

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>2</sup>MI 207 may replace PR 404.

Youth Ministries Concentration

**Speech Emphasis (Nonministerial)**

Recommended Course Sequence

**FRESHMAN**

**Fall**

**Spring**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I. . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

BI 205	New Testament Introduction . . . . .	2
BI/BB/BL	Bible Elective. . . . .	2
EN 126	English Grammar/Composition II. . . . .	3
HI 102	History of Civilization . . . . .	3
SP 102	Fundamentals of Speech . . . . .	3
	Minor or Elective. . . . .	1
<b>Total Hours . . . . .</b>		<b>14</b>

**SOPHOMORE**

BI 233	Life of David . . . . .	2
BI 321	Bible Doctrines . . . . .	2
BI/BB/BL	Bible Elective. . . . .	2
BL 101	Elementary Greek. . . . .	4
SC	Science Elective . . . . .	3
SP 201	Voice and Diction . . . . .	2
<b>Total Hours . . . . .</b>		<b>15</b>

BI 322	Bible Doctrines . . . . .	2
BL 102	Elementary Greek. . . . .	4
CS/MA/SC	Computer Science/Mathematics/ Science Elective. . . . .	3
EN 210	Introduction to Literature . . . . .	3
PR 240	Evangelism and Discipleship. . . . .	2
PR 312	Youth Ministry. . . . .	2
<b>Total Hours . . . . .</b>		<b>16</b>

**JUNIOR**

BI 320	Isaiah . . . . .	2
BI/BB/BL	Bible Elective. . . . .	2
CR 370	Origins . . . . .	2
EE 330	Teaching Bible. . . . .	2
PR 420	Youth Ministries Practicum . . . . .	2
SP 203	Oral Interpretation of Poetry . . . . .	2
	Minor or Elective. . . . .	2
<b>Total Hours . . . . .</b>		<b>14</b>

BI 312	Romans . . . . .	2
BI 314	Genesis . . . . .	3
BI 317	Galatians and the Prison Epistles. . . . .	2
BI 370	Worldview and Apologetics. . . . .	2
BI/BB/BL	Bible Elective. . . . .	2
PR 415	Marriage and Family Education . . . . .	3
SP 207	Storytelling . . . . .	2
<b>Total Hours . . . . .</b>		<b>16</b>

**SENIOR**

BB 411	Church History I . . . . .	2
BI 303	Hebrew History I. . . . .	2
BI 319	I and II Timothy and Titus. . . . .	2
BI 416	Hebrews and James. . . . .	2
PR 306	Interpersonal Relationships. . . . .	3
SP 240	Stagecraft . . . . .	3
SP 331	Private Speech Lessons . . . . .	1
<b>Total Hours . . . . .</b>		<b>15</b>

BB 412	Church History II . . . . .	2
BI 304	Hebrew History II . . . . .	2
BI 414	Revelation . . . . .	2
BI/BB/BL	Bible Elective. . . . .	2
ED 430	Instructional Methods . . . . .	2
PR 362	Introduction to Biblical Counseling. . . . .	1
SP 307	Introduction to Dramatic Production . . . . .	4
SP 332	Private Speech Lessons . . . . .	1
<b>Total Hours . . . . .</b>		<b>16</b>



## MISSIONS CONCENTRATION

**The purpose of the missions concentration** is to prepare Christians for effective cross-cultural ministry.

**Additional Learning Outcome:** Graduates of the missions concentration will also be able to develop strategies to reach the lost and plant churches in a variety of cultures.

The objective of this concentration is to prepare students for cross-cultural ministries. Students receive practical training in preparation for mission board candidate school, deputation, and work in church planting. Throughout the semester visiting missionaries, chapel messages, Mission Prayer Band, and Campus Church encourage a warm heart toward missions. Each summer, students may participate on a team, assisting missionaries in the field.

### Ministerial Seminar

Ministerial students in the missions concentration are required to complete Ministerial Seminar every semester after the freshman year.

### Academic Program Fee

Ministerial: \$10 per semester or 3 payments of \$3.33. Nonministerial: \$30 per semester or 3 payments of \$10. Students taking music lessons or group instruction pay appropriate music course fees (p. 21).

### Broad Field

Students must complete a broad field. Special policies are required of students who choose a broad field of Elementary Education or Teaching English (pp. 75–76).



## Missions Concentration (Ministerial)

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
EN 121	English Grammar/Composition I. . . . .3	BI 203	Life of Christ . . . . .2
HI 101	History of Civilization . . . . .3	EN 126	English Grammar/Composition II . . . . .3
MA	Mathematics Elective . . . . .3	HI 102	History of Civilization . . . . .3
SP 101	Fundamentals of Speech . . . . .3	PR 240	Evangelism and Discipleship. . . . .2
			Missions Broad Field . . . . .2
		PR 204	Bible and Practical Ministry <sup>1</sup> . . . . .1
<b>Total Hours</b>	<b>14</b>	<b>Total Hours</b>	<b>15</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
BL/ML	Foreign Language Elective <sup>2</sup> . . . . .3	BL/ML	Foreign Language Elective <sup>2</sup> . . . . .3
MI 201	History of Missions. . . . .2	EN 210	Introduction to Literature. . . . .3
PR 101	Ministerial Seminar . . . . .1	MI 202	Promotion of Missions. . . . .2
SC	Science Elective . . . . .3	PR 102	Ministerial Seminar . . . . .1
SP 201	Voice and Diction . . . . .2		Missions Broad Field . . . . .3
	Missions Broad Field . . . . .2	PR 304	Bible and Practical Ministry <sup>1</sup> . . . . .1
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>15</b>

#### JUNIOR

BB 411	Church History I . . . . .2	BI 370	Worldview and Apologetics. . . . .2
BI 312	Romans . . . . .2	CS/MA/SC	Computer Science/Mathematics/ Science Elective. . . . .3
CR 370	Origins . . . . .2	EE 330	Teaching Bible. . . . .2
MI 301	Principles and Methods of Missions. . . . .2	MI 302	Principles and Methods of Missions. . . . .2
PR 201	Ministerial Seminar . . . . .1	MI 403	Cultural Anthropology . . . . .3
PR 327	Church Ministries Internship . . . . .1	MI 412	Church Planting Seminar . . . . .1
	Missions Broad Field . . . . .4	PR 202	Ministerial Seminar . . . . .1
		PR 328	Church Ministries Internship . . . . .1
		PR 404	Bible and Practical Ministry <sup>1,3</sup> . . . . .1
<b>Total Hours</b>	<b>14</b>	<b>Total Hours</b>	<b>16</b>

#### SENIOR

BI 233	Life of David <b>or</b>	BI 314	Genesis . . . . .3
BI 320	Isaiah . . . . .2	BI 317	Galatians and the Prison Epistles . . . . .2
BI 319	I and II Timothy and Titus . . . . .2	BI 414	Revelation . . . . .2
BI 416	Hebrews and James. . . . .2	PR 302	Ministerial Seminar . . . . .1
MI 406	Modern Trends in Missions . . . . .2	PR 306	Interpersonal Relationships. . . . .3
PR 301	Ministerial Seminar . . . . .1	PR 316	Homiletics II. . . . .2
PR 315	Homiletics I . . . . .2	PR 362	Introduction to Biblical Counseling. . . . .1
PR 320	Baptist Polity . . . . .1		Missions Broad Field or Elective. . . . .2
PR 415	Marriage and Family Education . . . . .3	<b>Total Hours</b>	<b>16</b>
<b>Total Hours</b>	<b>15</b>		

<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>2</sup>All hours of required foreign language need to be earned in the same language.

<sup>3</sup>MI 207 may replace PR 404.

# Missions Concentration (Nonministerial)

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 14**

#### Spring

BI 205	New Testament Introduction . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
ED 102	Personal and Community Health . . .	2
EN 126	English Grammar/Composition II . . .	3
HI 102	History of Civilization . . . . .	3
PR 240	Evangelism and Discipleship . . . . .	2

**Total Hours . . . . . 14**

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
MI 201	History of Missions . . . . .	2
SC	Science Elective . . . . .	3
SP 201	Voice and Diction . . . . .	2
	Missions Broad Field . . . . .	3

**Total Hours . . . . . 15**

BI 322	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
EN 210	Introduction to Literature . . . . .	3
MI 202	Promotion of Missions . . . . .	2
	Missions Broad Field . . . . .	5

**Total Hours . . . . . 15**

### JUNIOR

BB 411	Church History I . . . . .	2
BI 312	Romans . . . . .	2
CR 370	Origins . . . . .	2
EE 330	Teaching Bible . . . . .	2
MI 301	Principles and Methods of Missions . . . . .	2
	Missions Broad Field or Electives . . .	5

**Total Hours . . . . . 15**

BI 317	Galatians and the Prison Epistles . . .	2
BI 370	Worldview and Apologetics . . . . .	2
MI 302	Principles and Methods of Missions . . . . .	2
MI 403	Cultural Anthropology . . . . .	3
PR 306	Interpersonal Relationships . . . . .	3
	Missions Broad Field or Elective . . .	3

**Total Hours . . . . . 15**

### SENIOR

BI 233	Life of David or	
BI 320	Isaiah . . . . .	2
BI 319	I and II Timothy and Titus . . . . .	2
BI 416	Hebrews and James . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
FC 118	Food Preparation . . . . .	3
MI 406	Modern Trends in Missions . . . . .	2
PR 415	Marriage and Family Education . . .	3

**Total Hours . . . . . 16**

BI 203	Life of Christ . . . . .	2
BI 314	Genesis . . . . .	3
BI 414	Revelation . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
FC 342	Meal Planning and Service . . . . .	3
PR 362	Introduction to Biblical Counseling . . . . .	1

**Total Hours . . . . . 16**

\*All hours of required foreign language need to be earned in the same language.

## Missions Broad Fields

### ACCOUNTING

AC 231 Principles of Accounting I . . . . .	3
AC 232 Principles of Accounting II . . . . .	3
AC 331 Intermediate Financial Accounting I . . . . .	3
AC 403 Principles of Taxation . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>12</b>

### ART

AR 101 Drawing I . . . . .	3
AR 102 Drawing II . . . . .	3
AR 201 Design Fundamentals I . . . . .	3
AR 203 Basic Painting I . . . . .	3
AR 204 Basic Painting II . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>15</b>

### BIBLICAL LANGUAGES

BL 101–102 Elementary Greek . . . . .	8
BL 201–202 Intermediate Greek . . . . .	6
BL 445 Elementary Hebrew . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>17</b>

### COMPUTER SCIENCE

BA 330 Computer Applications for Business <sup>1</sup> . . . . .	3
CS 130 Introduction to Information Technology . . . . .	2
CS 202 Introduction to Programming . . . . .	3
CS 405 Computer Hardware Maintenance . . . . .	3
CS Computer Science Elective <sup>2</sup> . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>14</b>

### DIGITAL MEDIA<sup>3</sup>

AR 120 Digital Typography . . . . .	3
AR 220 Digital Graphics . . . . .	3
AR 241 Introduction to the Mass Media . . . . .	3
AR 323 Principles of Digital Multimedia Technology . . . . .	3
AR 364 Media Studio Production . . . . .	3
CS 211 Introduction to Web Design . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>18</b>

### ELEMENTARY EDUCATION<sup>4</sup>

ED 101 Philosophy of Christian Education . . . . .	3
EE 201 Materials and Methods . . . . .	3
EE 205 Intensive Phonics Instruction . . . . .	2
EE 215 Arithmetic Skills for the Elementary School . . . . .	2
EE 301 Teaching Arithmetic . . . . .	2
EE 317 Teaching Reading . . . . .	2
EE 325 Teaching Language Arts . . . . .	2
<b>Total Hours Required . . . . .</b>	<b>16</b>

### GRAPHIC DESIGN

AR 111 Principles of Drawing . . . . .	3
AR 120 Digital Typography . . . . .	3
AR 201 Design Fundamentals I . . . . .	3
AR 218 Photography I . . . . .	3
AR 220 Digital Graphics . . . . .	3
AR 267 Graphic Design I . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>18</b>

### MANAGEMENT

BA 201 Business Law . . . . .	3
BA 203 Principles of Management . . . . .	3
BA 403 Business Communications . . . . .	3
BA Business Administration Elective . . . . .	3
SP 410 Oral Communication in the Professions . . . . .	2
<b>Total Hours Required . . . . .</b>	<b>14</b>

### MUSIC—INSTRUMENTAL

MU 100 Foundations of Church Music . . . . .	4
MU 226 Choral Methods . . . . .	2
MU 402 Church Music Philosophy and Administration . . . . .	2
131–232 Private Instrument <sup>5</sup> . . . . .	4
<b>Total Hours Required . . . . .</b>	<b>12</b>

### MUSIC—KEYBOARD

MU 100 Foundations of Church Music . . . . .	4
MU 105–106 Beginning Hymnplaying . . . . .	2
MU 226 Choral Methods . . . . .	2
MU 402 Church Music Philosophy and Administration . . . . .	2
PI 131–132 Private Piano <sup>6</sup> . . . . .	2
<b>Total Hours Required . . . . .</b>	<b>12</b>

<sup>1</sup>Must meet CS 101 prerequisite.

<sup>2</sup>Must be 200-level or above.

<sup>3</sup>See Technology Requirements (p. 133).

<sup>4</sup>Special policies (p. 106)

<sup>5</sup>Required to be in the same instrument and to be taken during junior and senior years.

<sup>6</sup>Must be taken during junior and senior years.

**MUSIC—VOCAL**

MU 100 Foundations of Church Music . . . . 4  
 MU 121–122 Vocal Class I, II<sup>1</sup> . . . . . 2  
 MU 226 Choral Methods . . . . . 2  
 MU 402 Church Music Philosophy and  
 Administration . . . . . 2  
 VO 231–232 Private Voice<sup>2</sup> . . . . . 2  
**Total Hours Required . . . . . 12**

**OFFICE ADMINISTRATION**

BA 330 Computer Applications for  
 Business . . . . . 3  
 BA 403 Business Communications . . . . . 3  
 CS 101 Introduction to Computer  
 Applications . . . . . 1  
 OA 101 Beginning Keyboarding . . . . . 3  
 OA 201 Intermediate Keyboarding . . . . . 4  
**Total Hours Required . . . . . 14**

**PROFESSIONAL WRITING**

AR 120 Digital Typography . . . . . 3  
 EN 301 Creative Writing . . . . . 3  
 EN 360 Advanced English Grammar  
 and Composition . . . . . 3  
 PW301 Copywriting . . . . . 3  
 PW302 Copy Editing . . . . . 3  
 PW325 Journalism I . . . . . 3  
**Total Hours Required . . . . . 18**

**SPEECH**

SP 102 Fundamentals of Speech . . . . . 3  
 SP 202 Voice and Communication . . . . . 2  
 SP 203 Oral Interpretation of Poetry . . . . . 2  
 SP 204 Oral Interpretation of Dramatic  
 and Narrative Literature . . . . . 2  
 SP 207 Storytelling . . . . . 2  
 SP 250 Public Speaking . . . . . 3  
 SP 314 Assemblies and Production  
 Practicum . . . . . 3  
**Total Hours Required . . . . . 17**

**TEACHING ENGLISH<sup>3</sup>**

ED 101 Philosophy of Christian  
 Education . . . . . 3  
 EE 201 Materials and Methods . . . . . 3  
 EE 205 Intensive Phonics Instruction . . . . . 2  
 EN 360 Advanced English Grammar and  
 Composition . . . . . 3  
 SE 321 Teaching Reading Skills for the  
 Secondary Student . . . . . 2  
**Total Hours Required . . . . . 13**

**YOUTH MINISTRIES**

ED 415 Adolescent Growth and  
 Development . . . . . 3  
 PE 191 Sport Physiology . . . . . 2  
 PE 196 Introduction to Coaching . . . . . 1  
 PE 225 First Aid . . . . . 2  
 PE Coaching Elective . . . . . 2  
 PR 312 Youth Ministry . . . . . 2  
 PR 420 Youth Ministries Practicum . . . . . 2  
 SP 207 Storytelling . . . . . 2  
**Total Hours Required . . . . . 16**

<sup>1</sup>Taken during junior year  
<sup>2</sup>Taken during senior year  
<sup>3</sup>Special policies (p. 106)

## MUSIC MINISTRIES CONCENTRATION

**The purpose of the music ministries concentration** is to prepare Christians for effective use of music in ministry contexts.

**Additional Learning Outcome:** Graduates of the music ministries concentration will also be able to demonstrate skills necessary for effective leadership in a church music ministry.

Men and women who choose a music ministries concentration receive solid training in both Bible content and music, enabling them to assist in several facets of local church ministry. Men are prepared to be associate pastors as well as music ministers.

### Academic Program Fee

\$10 per semester or 3 payments of \$3.33. Students taking music lessons or group instruction pay appropriate music course fees (p. 21).

### Emphasis

Students receive half-hour lessons each semester during sophomore, junior, and senior years. All applied music credits must be taken in the same emphasis (voice, keyboard, organ, or one of the standard band or orchestral instruments). A platform and recital are not required.

### Ministerial Seminar

Ministerial students in the music ministries concentration must complete at least four semesters of Ministerial Seminar, including their last four semesters.



# Music Ministries Concentration (Ministerial)

## Recommended Course Sequence

### FRESHMAN

Fall	Spring
BI 105 Old Testament Introduction . . . . .2	BI 205 New Testament Introduction . . . . .2
EN 121 English Grammar/Composition I . .3	CC 131 College Choir <sup>2, 4, 5</sup> <b>or</b>
MU100 Foundations of Church Music . . . .4	MU106 Beginning Hymnplaying <sup>1</sup> . . . . .1
MU105 Beginning Hymnplaying <sup>1</sup> <b>or</b>	CS/MA/SC Computer Science/Mathematics/ Science Elective . . . . .3
PI 101 Piano Class <sup>2, 3</sup> . . . . .1	EN 126 English Grammar/Composition II .3
MU121 Vocal Class I . . . . .1	HI 101 History of Civilization . . . . .3
SP 101 Fundamentals of Speech . . . . .3	MU122 Vocal Class II . . . . .1
	SP 201 Voice and Diction . . . . .2
	PR 204 Bible and Practical Ministry <sup>6</sup> . . . .1
<b>Total Hours</b> . . . . .14	<b>Total Hours</b> . . . . .16

### SOPHOMORE

BI 321 Bible Doctrines . . . . .2	BI 322 Bible Doctrines . . . . .2
BL 101 Elementary Greek . . . . .4	BL 102 Elementary Greek . . . . .4
HI 102 History of Civilization . . . . .3	EN 210 Introduction to Literature . . . . .3
MA Mathematics Elective . . . . .3	MU300 Methods and Materials for the Church Musician . . . . .2
SC Science Elective . . . . .3	PR 240 Evangelism and Discipleship . . . .2
Music Emphasis <sup>7</sup> . . . . .1	Music Emphasis <sup>7</sup> . . . . .1
	PR 304 Bible and Practical Ministry <sup>6</sup> . . . .1
<b>Total Hours</b> . . . . .16	<b>Total Hours</b> . . . . .15

### JUNIOR

BI 312 Romans . . . . .2	BI 317 Galatians and the Prison Epistles .2
CC College Choir <sup>4, 5</sup> . . . . .1	BI 370 Worldview and Apologetics . . . .2
CR 370 Origins . . . . .2	CC College Choir <sup>4, 5</sup> . . . . .1
MU226 Choral Methods . . . . .2	MI 412 Church Planting Seminar . . . . .1
PR 101 Ministerial Seminar . . . . .1	PR 102 Ministerial Seminar . . . . .1
PR 315 Homiletics I . . . . .2	PR 306 Interpersonal Relationships . . . .3
PR 327 Church Ministries Internship . . . .1	PR 316 Homiletics II . . . . .2
ST 201 Strings Instruction I . . . . .1	PR 328 Church Ministries Internship . . . .1
Music Emphasis <sup>7</sup> . . . . .1	Music Emphasis <sup>7</sup> . . . . .1
	PR 404 Bible and Practical Ministry <sup>6, 8</sup> . . . .1
<b>Total Hours</b> . . . . .13	<b>Total Hours</b> . . . . .15

<sup>1</sup>Keyboard emphasis

<sup>2</sup>Vocal or instrumental emphasis

<sup>3</sup>Students who place out of PI 101 must replace it with College Choir.

<sup>4</sup>Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.

<sup>5</sup>Strings take College Choir for 2 semesters and Orchestra for 3.

<sup>6</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>7</sup>Half-hour private lesson in same emphasis.

<sup>8</sup>MI 207 may replace PR 404.

## SENIOR

<b>Fall</b>		<b>Spring</b>			
BB 411	Church History I . . . . .	2	BB 412	Church History II . . . . .	2
BI 303	Hebrew History I . . . . .	2	BI 304	Hebrew History II . . . . .	2
BI 320	Isaiah . . . . .	2	BI 319	I and II Timothy and Titus . . . . .	2
CC	College Choir <sup>1,2</sup> . . . . .	1	BI 414	Revelation . . . . .	2
MU402	Church Music Philosophy and Administration . . . . .	2	BI 416	Hebrews and James . . . . .	2
PR 201	Ministerial Seminar . . . . .	1	CC	College Choir <sup>1,2</sup> . . . . .	1
PR 320	Baptist Polity . . . . .	1	ED 430	Instructional Methods . . . . .	2
PR 415	Marriage and Family Education . . . . .	3	PR 202	Ministerial Seminar . . . . .	1
	Music Emphasis <sup>3</sup> . . . . .	1	PR 362	Intro. to Biblical Counseling . . . . .	1
				Music Emphasis <sup>3,4</sup> . . . . .	1
<b>Total Hours . . . . .</b>		<b>15</b>	<b>Total Hours . . . . .</b>		<b>16</b>

<sup>1</sup>Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.

<sup>2</sup>Strings take College Choir for 2 semesters and Orchestra for 3.

<sup>3</sup>Half-hour private lesson in same emphasis.

<sup>4</sup>Vocal emphasis takes MU 313.

## Music Ministries Concentration (Nonministerial)

### Recommended Course Sequence

#### FRESHMAN

<b>Fall</b>		<b>Spring</b>			
BI 105	Old Testament Introduction . . . . .	2	BI 205	New Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3	BI/BB/BL	Bible Elective . . . . .	2
MU100	Foundations of Church Music . . . . .	4	CC 131	College Choir <sup>2,4,5</sup> <b>or</b>	
MU105	Beginning Hymnplaying <sup>1</sup> <b>or</b>		MU106	Beginning Hymnplaying <sup>1</sup> . . . . .	1
PI 101	Piano Class <sup>2,3</sup> . . . . .	1	CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
MU121	Vocal Class I . . . . .	1	EN 126	English Grammar/Composition II . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3	HI 101	History of Civilization . . . . .	3
			MU122	Vocal Class II . . . . .	1
<b>Total Hours . . . . .</b>		<b>14</b>	<b>Total Hours . . . . .</b>		<b>15</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2	BI 322	Bible Doctrines . . . . .	2
BI/BB/BL	Bible Elective . . . . .	2	BL 102	Elementary Greek . . . . .	4
BL 101	Elementary Greek . . . . .	4	EN 210	Introduction to Literature . . . . .	3
MA	Mathematics Elective . . . . .	3	MU	Music Elective . . . . .	3
MU	Music Elective . . . . .	3	PR 240	Evangelism and Discipleship . . . . .	2
	Music Emphasis <sup>6</sup> . . . . .	1		Music Emphasis <sup>6</sup> . . . . .	1
<b>Total Hours . . . . .</b>		<b>15</b>	<b>Total Hours . . . . .</b>		<b>15</b>

<sup>1</sup>Keyboard emphasis

<sup>2</sup>Vocal or instrumental emphasis

<sup>3</sup>Students who place out of PI 101 must replace it with College Choir.

<sup>4</sup>Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.

<sup>5</sup>Strings take College Choir for 2 semesters and Orchestra for 3.

<sup>6</sup>Half-hour private lesson in same emphasis.



## JUNIOR

## Fall

BI 312	Romans	2
CC	College Choir <sup>1,2</sup>	1
CR 370	Origins	2
HI 102	History of Civilization	3
MU226	Choral Methods	2
SP 201	Voice and Diction	2
ST 201	Strings Instruction I	1
	Music Emphasis <sup>3</sup>	1

**Total Hours** ..... 14

## Spring

BI 317	Galatians and the Prison Epistles	2
BI 370	Worldview and Apologetics	2
CC	College Choir <sup>1,2</sup>	1
EE 330	Teaching Bible	2
MU300	Methods and Materials for the Church Musician	2
PR 306	Interpersonal Relationships	3
SC	Science Elective	3
	Music Emphasis <sup>3</sup>	1

**Total Hours** ..... 16

## SENIOR

BB 411	Church History I	2
BI 303	Hebrew History I	2
BI 320	Isaiah	2
CC	College Choir <sup>1,2</sup>	1
MU402	Church Music Philosophy and Administration	2
PR 415	Marriage and Family Education	3
	Elective	3
	Music Emphasis <sup>3</sup>	1

**Total Hours** ..... 16

BB 412	Church History II	2
BI 304	Hebrew History II	2
BI 319	I and II Timothy and Titus	2
BI 414	Revelation	2
BI 416	Hebrews and James	2
CC	College Choir <sup>1,2</sup>	1
ED 430	Instructional Methods	2
PR 362	Introduction to Biblical Counseling	1
	Music Emphasis <sup>3,4</sup>	1

**Total Hours** ..... 15

<sup>1</sup>Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.

<sup>2</sup>Strings take College Choir for 2 semesters and Orchestra for 3.

<sup>3</sup>Half-hour private lesson in same emphasis.

<sup>4</sup>Vocal emphasis takes MU 313.

## BIBLE MAJOR—GENERAL STUDIES EMPHASIS

The purpose of the Bible major general studies emphasis is to prepare Christians for effective service in a nonpastoral setting.

## Academic Program Fee

\$10 per semester or 3 payments of \$3.33 (p. 21).

Bible Major

**General Studies Emphasis (Men)**

Recommended Course Sequence

**FRESHMAN****Fall**

BI 105	Old Testament Introduction	2
EN 121	English Grammar/Composition I	3
HI 101	History of Civilization	3
MA	Mathematics Elective	3
SP 101	Fundamentals of Speech	3

**Total Hours** ..... 14**Spring**

BI 205	New Testament Introduction	2
BI/BB/BL	Bible Elective	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective	3
EN 126	English Grammar/Composition II	3
HI 102	History of Civilization	3
PR 204	Bible and Practical Ministry <sup>1</sup>	1

**Total Hours** ..... 14**SOPHOMORE**

BI 321	Bible Doctrines	2
BI/BB/BL	Bible Elective	2
BL 101	Elementary Greek	4
EN 210	Introduction to Literature	3
SC	Science Elective	3
SP 201	Voice and Diction	2

**Total Hours** ..... 16

BI 322	Bible Doctrines	2
BI/BB/BL	Bible Elective	2
BL 102	Elementary Greek	4
PR 240	Evangelism and Discipleship	2
SP 250	Public Speaking	3
PR 304	Bible and Practical Ministry <sup>1</sup>	1

**Total Hours** ..... 14**JUNIOR**

BI 233	Life of David	2
BI 303	Hebrew History I	2
BI 320	Isaiah	2
BI/BL/MI/PR	Bible/Biblical Languages/ Missions/Practical Training Elective	3
CR 370	Origins	2
ED 413	Child Growth and Development	or
ED 415	Adolescent Growth and Development	3
	Minor or Elective	2

**Total Hours** ..... 16

BI 304	Hebrew History II	2
BI 312	Romans	2
BI 314	Genesis	3
BI 370	Worldview and Apologetics	2
BI/BB/BL	Bible Elective	2
EE 330	Teaching Bible	2
PR 314	Church Business	1
PR 404	Bible and Practical Ministry <sup>1,2</sup>	1

**Total Hours** ..... 15**SENIOR**

BB 411	Church History I	2
BI 319	I and II Timothy and Titus	2
BI 416	Hebrews and James	2
ED 430	Instructional Methods	2
PR 214	Church Organization and Administration	2
PR 415	Marriage and Family Education	3
	Minor or Elective	2

**Total Hours** ..... 15

BB 412	Church History II	2
BI 317	Galatians and the Prison Epistles	2
BI 414	Revelation	2
PR 306	Interpersonal Relationships	3
PR 312	Youth Ministry	2
PR 362	Introduction to Biblical Counseling	1
	Minor or Electives	4

**Total Hours** ..... 16<sup>1</sup>Taken during summer. (See p. 19 for additional cost.)<sup>2</sup>MI 207 may replace PR 404.

Bible Major

## General Studies Emphasis (Women)

Recommended Course Sequence

### FRESHMAN

Fall	Spring
BI 105 Old Testament Introduction . . . . . 2	BI 205 New Testament Introduction . . . . . 2
EN 121 English Grammar/Composition I . . . 3	BI/BB/BL Bible Elective . . . . . 2
HI 101 History of Civilization . . . . . 3	CS/MA/SC Computer Science/Mathematics/ Science Elective. . . . . 3
MA Mathematics Elective . . . . . 3	EN 126 English Grammar/Composition II . 3
SP 101 Fundamentals of Speech . . . . . 3	HI 102 History of Civilization . . . . . 3
	Minor or Elective. . . . . 1
<b>Total Hours</b> . . . . . <b>14</b>	<b>Total Hours</b> . . . . . <b>14</b>

### SOPHOMORE

BI 321 Bible Doctrines . . . . . 2	BI 322 Bible Doctrines . . . . . 2
BI/BB/BL Bible Elective . . . . . 2	BI/BB/BL Bible Elective. . . . . 2
BL 101 Elementary Greek . . . . . 4	BL 102 Elementary Greek . . . . . 4
EN 210 Introduction to Literature. . . . . 3	PR 240 Evangelism and Discipleship. . . . 2
SC Science Elective . . . . . 3	SP 250 Public Speaking* . . . . . 3
SP 201 Voice and Diction . . . . . 2	Minor or Elective. . . . . 1
<b>Total Hours</b> . . . . . <b>16</b>	<b>Total Hours</b> . . . . . <b>14</b>

### JUNIOR

BI 233 Life of David . . . . . 2	BI 304 Hebrew History II . . . . . 2
BI 303 Hebrew History I . . . . . 2	BI 312 Romans . . . . . 2
BI 320 Isaiah . . . . . 2	BI 314 Genesis . . . . . 3
BI/BL/MI/PR Bible/Biblical Languages/ Missions/Practical Training Elective. . . . . 3	BI 370 Worldview and Apologetics. . . . . 2
CR 370 Origins . . . . . 2	EE 330 Teaching Bible. . . . . 2
ED 413 Child Growth and Development <b>or</b>	Minor or Electives. . . . . 4
ED 415 Adolescent Growth and Development. . . . . 3	
Minor or Elective. . . . . 2	
<b>Total Hours</b> . . . . . <b>16</b>	<b>Total Hours</b> . . . . . <b>15</b>

### SENIOR

BB 411 Church History I . . . . . 2	BB 412 Church History II . . . . . 2
BI 319 I and II Timothy and Titus . . . . . 2	BI 317 Galatians and the Prison Epistles . 2
BI 416 Hebrews and James. . . . . 2	BI 414 Revelation . . . . . 2
ED 430 Instructional Methods . . . . . 2	BI/BB/BL Bible Elective . . . . . 2
PR 306 Interpersonal Relationships. . . . . 3	PR 312 Youth Ministry. . . . . 2
PR 415 Marriage and Family Education . . 3	PR 362 Introduction to Biblical Counseling. . . . . 1
Minor or Elective. . . . . 2	Minor or Electives. . . . . 4
<b>Total Hours</b> . . . . . <b>16</b>	<b>Total Hours</b> . . . . . <b>15</b>

\*May take SP 207 Storytelling and a general elective in place of SP 250.

# DIVISION OF PROFESSIONAL STUDIES

The purpose of this division is to prepare Christian leaders in business and education by providing a Christian-traditional liberal arts education and specialized training in service-oriented professions.

This division comprises the **business** and **education departments** of Pensacola Christian College, which both offer undergraduate and graduate degrees.

84-104 Business Department

105-129 Education Department



**Dr. Donna Marion**  
Dean of Professional Studies



# BUSINESS DEPARTMENT

*Division of Professional Studies*

Dr. John Cuendet, Chair

## Undergraduate Degrees

### Bachelor of Science

#### 85 Business Major

Concentrations:

- 86 Accounting
- 88 Advertising/Public Relations
- 90 Finance
- 92 Management
- 93 Marketing
- 99 Medical Office Administration
- 97 Office Administration
- 95 Sport Management

### Associate of Science

#### 101 Business Major

Concentrations:

- 101 Office Systems
- 103 Medical Office Systems

### 203–206 Minors

Accounting, Advertising, Business Technology, e-Business Management, Finance, Management, Marketing, Office Administration

### 75–76 Missions Broad Fields

Accounting, Management, Office Administration

### 129 Teaching Field

Technology Education

## Graduate Degrees

(See Seminary & Graduate Studies Catalog.)

### Master of Business Administration

Information Technology  
Management Specialization



The **business department** incorporates the business major with respective concentrations. The biblically integrated academic curriculum prepares students for a variety of job opportunities in both Christian organizations and secular business and/or graduate school by developing their intellectual capacity, leadership abilities, spiritual lives, and attitude of service.

The **business major** provides a strong foundation for accounting, economics, business communication, and computer applications. General knowledge of business principles complements the instruction provided in the chosen concentration. Principles, techniques, theory, and practical applications are all parts of a balanced program that presents a value-centered curriculum that applies Christian principles to every aspect of life.

## **BUSINESS MAJOR** **BACHELOR OF SCIENCE DEGREE**

**The purpose of the business major** is to prepare students for a variety of job opportunities in both Christian organizations and secular business and/or graduate school by developing their intellectual capacity, leadership abilities, spiritual lives, and attitude of service. General knowledge of business principles complements a balance of techniques, theory, and practical application provided in each chosen concentration.

**Learning Outcomes:** Graduates of the business program will be able to

- make ethical and moral choices based on a biblical worldview,
- communicate effectively in written and oral presentations,
- use current technology and computer applications effectively in their chosen profession,
- relate knowledge to practical experiences, and
- be prepared to pursue advanced study in their chosen field.

*(Additional learning outcomes are listed for each concentration.)*

## ACCOUNTING CONCENTRATION

**The purpose of the accounting concentration** is to prepare students for placement and career advancement into positions of influence in commercial, public, not-for-profit, or governmental accounting; to establish a foundation for further education and professional certification or licensure; and to exhibit a Christian testimony in their personal and professional lives.

**Additional Learning Outcomes:** Graduates of the accounting concentration will also be able to

- use financial management concepts and methods to determine viable resolutions for executive decision making and
- apply research from current accounting literature and standards to properly format and present external or internal financial reports and regulatory filings.

Accounting provides essential training for those desiring to become a private or public accountant in either a Christian or secular organization. Students receive a solid, theoretical foundation in accounting with practical application of its principles. This balanced approach allows graduates to use their knowledge in either the work place or graduate school. Minors such as finance, computer science, and e-Business complement the accounting concentration. Management may not be claimed as a minor.

### High School Preparation

Recommended high school preparation for an accounting concentration is two units of algebra. Opportunities are available to make up this deficiency. In this case, time required to complete an accounting concentration could be expected to increase.

### Academic Program Fee

\$25 per semester or 3 payments of \$8.33 (p. 21)

# Accounting Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

AC 231	Principles of Accounting I	3
BI 105	Old Testament Introduction	2
EN 121	English Grammar/Composition I	3
HI 101	History of Civilization	3
SP 101	Fundamentals of Speech	3
<b>Total Hours</b>		<b>14</b>

#### Spring

AC 232	Principles of Accounting II	3
BI 205	New Testament Introduction	2
EN 126	English Grammar/Composition II	3
HI 102	History of Civilization	3
MA 130	College Algebra II	3
<b>Total Hours</b>		<b>14</b>

### SOPHOMORE

AC 331	Intermediate Financial Accounting I	3
BA 201	Business Law	3
BA 330	Computer Applications for Business <sup>1</sup>	3
BI 321	Bible Doctrines	2
MA 220	Business Calculus	3
	Minor or Elective	2
<b>Total Hours</b>		<b>16</b>

AC 332	Intermediate Financial Accounting II	3
BA 301	Corporate Finance	3
BA 322	Business Statistics <b>or</b>	
MA 326	Statistics	3
BI 322	Bible Doctrines	2
EN 210	Introduction to Literature	3
<b>Total Hours</b>		<b>14</b>

### JUNIOR

AC 301	Cost Accounting	3
AC 431	Advanced Accounting I	3
AC 462	Auditing	3
BA 302	Corporate Finance	3
CR 370	Origins	2
<b>Total Hours</b>		<b>14</b>

AC	Accounting Elective	3
BA 403	Business Communications	3
BI 370	Worldview and Apologetics	2
MA 330	Quantitative Methods	3
PL 304	American Government <b>or</b>	
BA 442	Advanced Business Law <sup>2</sup>	3
	Minor or Elective	2
<b>Total Hours</b>		<b>16</b>

### SENIOR

AC 403	Principles of Taxation	3
AC	Accounting Elective <sup>3</sup>	3
BA 303	Macroeconomics	3
BI	Bible Elective	2
SP 410	Oral Communication in the Professions	2
	Minor or Elective	3
<b>Total Hours</b>		<b>16</b>

AC 410	Accounting Information Systems	3
BA 304	Microeconomics	3
PR 306	Interpersonal Relationships	3
SC	Science Elective	3
	Minor or Electives	4
<b>Total Hours</b>		<b>16</b>

<sup>1</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>2</sup>Students desiring to sit for CPA exam should take BA 442 Advanced Business Law.

<sup>3</sup>FN 331 may be taken as an accounting elective.



## ADVERTISING/PUBLIC RELATIONS CONCENTRATION

**The purpose of the advertising/public relations concentration** is to provide the visual, written, and oral skill necessary for students to address companies' advertising and public relations needs using various media. Practical application and a broad base of business knowledge provide skills necessary to be effective.

**Additional Learning Outcomes:** Graduates of the advertising/public relations concentration will also be able to

- address public relations crises using various media channels and
- develop an effective advertising campaign.

Visual presentation, the written word, and oral communication are all vital to public relations. A student in the advertising/public relations concentration is thoroughly prepared in each of these channels. Students develop both business and design knowledge for this unique field.

Students complete a minor in graphic design through their required advertising/public relations support courses. Marketing may not be claimed as a minor.

### **Academic Program Fee**

\$80 per semester or 3 payments of \$26.67 (p. 21)

### **Technology Requirements**

Students enrolled in 300- or 400-level art courses are required to own a personal laptop for use in class. An Adobe Creative Cloud subscription is also required. Laptop specifications must meet minimum Adobe Creative Cloud system requirements.

# Advertising/Public Relations Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

AR 111	Principles of Drawing	3
AR 120	Digital Typography	3
BI 105	Old Testament Introduction	2
EN 121	English Grammar/Composition I	3
SP 101	Fundamentals of Speech	3
<b>Total Hours</b>		<b>14</b>

#### Spring

AR 201	Design Fundamentals I	3
AR 220	Digital Graphics	3
BI 205	New Testament Introduction	2
EN 126	English Grammar/Composition II	3
HI 101	History of Civilization	3
<b>Total Hours</b>		<b>14</b>

### SOPHOMORE

AR 267	Graphic Design I	3
BI 321	Bible Doctrines	2
CS 211	Introduction to Web Design	3
EN 210	Introduction to Literature	3
MA	Mathematics Elective	3
SP 201	Voice and Diction	2
<b>Total Hours</b>		<b>16</b>

AR 218	Photography I	3
AR 268	Graphic Design II	3
BI 322	Bible Doctrines	2
HI 102	History of Civilization	3
MK 202	Professional Selling	3
	Minor or Elective	2
<b>Total Hours</b>		<b>16</b>

### JUNIOR

AC 231	Principles of Accounting I	3
BI 370	Worldview and Apologetics	2
MK 204	Principles of Marketing	3
SP 250	Public Speaking	3
	Advertising/Public Relations Elective*	3
	Minor or Elective	2
<b>Total Hours</b>		<b>16</b>

BA 403	Business Communications	3
CR 370	Origins	2
PR 306	Interpersonal Relationships	3
PW 301	Copywriting	3
	Advertising/Public Relations Elective*	3
<b>Total Hours</b>		<b>14</b>

### SENIOR

BA 313	Public Relations	3
BI	Bible Elective	2
EN 301	Creative Writing	3
MK 307	Advertising	3
	Advertising/Public Relations Elective*	3
<b>Total Hours</b>		<b>14</b>

BA 413	Public Relations Management	3
SC	Science Elective	3
SP 410	Oral Communication in the Professions	2
	Advertising/Public Relations Elective*	3
	Minor or Electives	5
<b>Total Hours</b>		<b>16</b>

\*Elective to be chosen from AR 241, 308, 309, 323, 324, 364, 402, 403, 420, 421; MK 402, 404, 417; PW 305, 325, or 326.

## FINANCE CONCENTRATION

**The purpose of the finance concentration** is to prepare students for placement and career advancement into positions of influence in financial institutions, manufacturing and service firms, and not-for-profit or government agencies; to establish a foundation for further education and professional certification or licensure; and to exhibit a Christian testimony in their personal and professional lives.

**Additional Learning Outcomes:** Graduates of the finance concentration will also be able to

- integrate current economic and monetary policies in evaluating and constructing investment portfolios within a global marketplace and
- evaluate, synthesize, and analyze complex investment or financing-related problems to determine viable resolutions for financial managers.

Business major with finance concentration gives students a strong, broad foundation in financial management, financial market structure, investment analysis, and valuation models. Courses provide practical skills that may be used in a Christian or secular workplace. After completing a finance concentration, students may choose to pursue careers in banking, insurance, financial investing, financial management, consulting, governmental finance, etc. Management may not be claimed as a minor.

### High School Preparation

Recommended high school preparation for a finance concentration is two units of algebra. Opportunities are available to make up this deficiency. In this case, time required to complete a finance concentration could be expected to increase.

### Academic Program Fee

\$30 per semester or 3 payments of \$10 (p. 21)

# Finance Concentration

## Recommended Course Sequence

### FRESHMAN

Fall	Spring
AC 231 Principles of Accounting I . . . . . 3	AC 232 Principles of Accounting II . . . . . 3
BI 105 Old Testament Introduction . . . . . 2	BI 205 New Testament Introduction . . . . . 2
EN 121 English Grammar/Composition I . 3	EN 126 English Grammar/Composition II . 3
HI 101 History of Civilization . . . . . 3	HI 102 History of Civilization . . . . . 3
SP 101 Fundamentals of Speech . . . . . 3	MA 130 College Algebra II . . . . . 3
	Minor or Elective . . . . . 2
<b>Total Hours . . . . . 14</b>	<b>Total Hours . . . . . 16</b>

### SOPHOMORE

BA 203 Principles of Management . . . . . 3	BA 302 Corporate Finance . . . . . 3
BA 301 Corporate Finance . . . . . 3	BA 330 Computer Applications for Business* . . . . . 3
BA 322 Business Statistics or MA 326 Statistics . . . . . 3	BI 322 Bible Doctrines . . . . . 2
BI 321 Bible Doctrines . . . . . 2	EN 210 Introduction to Literature . . . . . 3
SC Science Elective . . . . . 3	MK 204 Principles of Marketing . . . . . 3
<b>Total Hours . . . . . 14</b>	<b>Total Hours . . . . . 14</b>

### JUNIOR

BA 303 Macroeconomics . . . . . 3	BA 201 Business Law . . . . . 3
CR 370 Origins . . . . . 2	BA 304 Microeconomics . . . . . 3
FN 315 Principles of Investments . . . . . 3	BA 403 Business Communications . . . . . 3
FN 331 Financial Statement Analysis . . . 3	BI 370 Worldview and Apologetics . . . . 2
MA 220 Business Calculus . . . . . 3	FN 310 Financial Institutions . . . . . 3
Minor or Elective . . . . . 2	Minor or Elective . . . . . 2
<b>Total Hours . . . . . 16</b>	<b>Total Hours . . . . . 16</b>

### SENIOR

BA 430 Strategic Management and Business Policy . . . . . 3	BA 422 International Business . . . . . 3
BI Bible Elective . . . . . 2	FN 448 Advanced Portfolio Management . . . . . 3
FN 433 International Finance . . . . . 3	FN 452 Case Studies in Finance . . . . . 3
FN 447 Financial Modeling and Forecasting . . . . . 3	PR 306 Interpersonal Relationships . . . . . 3
PL 304 American Government . . . . . 3	SP 410 Oral Communication in the Professions . . . . . 2
	Minor or Elective . . . . . 2
<b>Total Hours . . . . . 14</b>	<b>Total Hours . . . . . 16</b>

\*Students must meet CS 101 prerequisite by credit or proficiency.

# MANAGEMENT CONCENTRATION

The purpose of the management concentration is to provide students a broad set of business skills and knowledge for successful and challenging careers in a wide variety of organizations and industries; to establish a foundation for further education; and to equip students to advance into positions of influence as successful innovators and Christlike servant-leaders.

**Additional Learning Outcome:** Graduates of the management concentration will also be able to direct the work effort of others to achieve organizational goals and objectives.

A management concentration provides a general, diversified background for students who plan to operate a business or enter management, marketing, or finance fields. Others seek to pursue graduate school work. Accounting or computer science minors complement a management concentration.

### Academic Program Fee

\$25 per semester or 3 payments of \$8.33 (p. 21)

## Management Concentration

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
AC 231	Principles of Accounting I . . . . .3	AC 232	Principles of Accounting II . . . . .3
BA 101	Introduction to Business . . . . .2	BI 205	New Testament Introduction . . . . .2
BI 105	Old Testament Introduction . . . . .2	EN 126	English Grammar/Composition II .3
CS 101	Introduction to Computer Applications. . . . .1	MA 121	College Algebra I. . . . .3
EN 121	English Grammar/Composition I. .3	SP 101	Fundamentals of Speech . . . . .3
HI 101	History of Civilization . . . . .3		
<b>Total Hours</b>	<b>. . . . .14</b>	<b>Total Hours</b>	<b>. . . . .14</b>

#### SOPHOMORE

BA 203	Principles of Management. . . . .3	BA 322	Business Statistics <b>or</b>
BI 321	Bible Doctrines . . . . .2	MA 326	Statistics . . . . .3
MA 130	College Algebra II . . . . .3	BA 330	Computer Applications for Business. . . . .3
MK 204	Principles of Marketing . . . . .3	BI 322	Bible Doctrines . . . . .2
SC	Science Elective . . . . .3	EN 210	Introduction to Literature. . . . .3
	Minor or Elective. . . . .2	HI 102	History of Civilization . . . . .3
<b>Total Hours</b>	<b>. . . . .16</b>	<b>Total Hours</b>	<b>. . . . .14</b>

JUNIOR

<b>Fall</b>		<b>Spring</b>	
AC 305	Managerial Cost Accounting . . . . .3	BA 302	Corporate Finance . . . . .3
BA 201	Business Law . . . . .3	BA 303	Macroeconomics . . . . .3
BA 301	Corporate Finance . . . . .3	BA 403	Business Communications . . . . .3
CR 370	Origins . . . . .2	BI 370	Worldview and Apologetics . . . . .2
MA220	Business Calculus* <b>or</b>	MA330	Quantitative Methods . . . . .3
BA/FN	Business or Finance Elective . . . . .3		Minor or Elective . . . . .2
<b>Total Hours . . . . .14</b>		<b>Total Hours . . . . .16</b>	

SENIOR

BA 317	Small Business Entrepreneurship . . . . .3	BA 304	Microeconomics . . . . .3
BA 411	Production and Logistics Management . . . . .3	BA 422	International Business . . . . .3
BA 430	Strategic Management and Business Policy . . . . .3	PL 304	American Government . . . . .3
BI	Bible Elective . . . . .2	SP 410	Oral Communication in the Professions . . . . .2
PR 306	Interpersonal Relationships . . . . .3		Minor or Electives . . . . .5
	Minor or Elective . . . . .2		
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .16</b>	

\*Students desiring to pursue an M.B.A. degree should take MA 220 Business Calculus.

## MARKETING CONCENTRATION

The purpose of the marketing concentration is to prepare students to apply the theoretical foundations, frameworks, and qualitative and quantitative tools of marketing to actual managerial problems and to equip students to advance into positions of influence as Christlike servant-leaders.

**Additional Learning Outcome:** Graduates of the marketing concentration will also be able to analyze the voice of the customer by creating product and service solutions that result in satisfying exchanges.

In a market-driven economy, marketing is the lifeblood of business. The marketing concentration gives students a solid foundation in sound academic and Christian principles to prepare for a career in the competitive business marketplace. The marketing concentration prepares students for a career in professional sales, advertising management, retail management, marketing research, import/export management, and other related fields. Those considering owning their own business someday should consider a double major in marketing and management to expose them to all the core skills necessary to succeed as a Christian business

person. Management may not be claimed as a minor since management courses are a part of the marketing concentration.

**Academic Program Fee**

\$30 per semester or 3 payments of \$10 (p. 21)

**Marketing Concentration**

Recommended Course Sequence

<b>FRESHMAN</b>					
<b>Fall</b>		<b>Spring</b>			
BA 101	Introduction to Business . . . . .	2	BI 205	New Testament Introduction . . . . .	2
BI 105	Old Testament Introduction . . . . .	2	EN 126	English Grammar/Composition II . . .	3
CS 101	Introduction to Computer Applications. . . . .	1	HI 101	History of Civilization . . . . .	3
EN 121	English Grammar/Composition I . . .	3	MA 130	College Algebra II . . . . .	3
MA 121	College Algebra I . . . . .	3	MK 204	Principles of Marketing . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3			
<b>Total Hours . . . . .</b>		<b>14</b>	<b>Total Hours . . . . .</b>		<b>14</b>

<b>SOPHOMORE</b>					
AC 231	Principles of Accounting I . . . . .	3	AC 232	Principles of Accounting II . . . . .	3
BA 201	Business Law . . . . .	3	BA 217	e-Business Systems . . . . .	3
BI 321	Bible Doctrines . . . . .	2	BI 322	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3	HI 102	History of Civilization . . . . .	3
SC	Science Elective . . . . .	3	MK 202	Professional Selling . . . . .	3
				Minor or Elective. . . . .	2
<b>Total Hours . . . . .</b>		<b>14</b>	<b>Total Hours . . . . .</b>		<b>16</b>

<b>JUNIOR</b>					
BA 322	Business Statistics or		BA 203	Principles of Management. . . . .	3
MA 326	Statistics . . . . .	3	BA 301	Corporate Finance . . . . .	3
BA 330	Computer Applications for Business. . . . .	3	BI 370	Worldview and Apologetics. . . . .	2
BA 403	Business Communications . . . . .	3	MA 330	Quantitative Methods. . . . .	3
CR 370	Origins . . . . .	2	MK 308	Retailing. . . . .	3
MK 307	Advertising . . . . .	3			
	Minor or Elective. . . . .	2			
<b>Total Hours . . . . .</b>		<b>16</b>	<b>Total Hours . . . . .</b>		<b>14</b>

<b>SENIOR</b>					
BA 303	Macroeconomics . . . . .	3	BA 422	International Business . . . . .	3
BA 313	Public Relations. . . . .	3	MK 405	Marketing Management. . . . .	3
BI	Bible Elective. . . . .	2	PR 306	Interpersonal Relationships. . . . .	3
MK 404	Marketing Research . . . . .	3	SP 410	Oral Communication in the Professions . . . . .	2
PL 304	American Government . . . . .	3		Minor or Electives. . . . .	5
	Minor or Elective. . . . .	2			
<b>Total Hours . . . . .</b>		<b>16</b>	<b>Total Hours . . . . .</b>		<b>16</b>

## SPORT MANAGEMENT CONCENTRATION

**The purpose of the sport management concentration** is to prepare students for future ministry in fields involving sports, recreation, and fitness. It is especially recommended for those interested in becoming camp administrators or athletic directors.

**Additional Learning Outcomes:** Graduates of the sport management concentration will also be able to

- manage the components of sports, recreational, and fitness programs and
- implement evangelism into sports and recreation.

The sport management concentration gives students the opportunity to study both sports and business. Students develop coaching techniques, learn how to design fitness programs, and learn how to manage a camp—all from a Christian perspective. Management or physical education may not be claimed as a minor.

### Academic Program Fee

\$35 per semester or 3 payments of \$11.67 (p. 21)

### Extracurricular Activity Requirement

Students in this concentration must participate in several semesters of intercollegiate or intramural sports or an approved alternative.





# Sport Management Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction	.....2
BY 105	Principles of Biology	.....4
EN 121	English Grammar/Composition I	.....3
MA	Mathematics Elective	.....3
PE 160/170	Swimming/Physical Fitness or	
PE 283/273	Physical Fitness	.....1
PE 184	Fall Team Sports	.....2

**Total Hours** ..... 15

#### Spring

BI 205	New Testament Introduction	.....2
EN 126	English Grammar/Composition II	.....3
PE 187	Spring Team Sports	.....2
PE 191	Sport Physiology	.....2
PE 196	Introduction to Coaching	.....1
PM 201	Intro. to Sport Management	.....2
SP 101	Fundamentals of Speech	.....3

**Total Hours** ..... 15

### SOPHOMORE

AC 231	Principles of Accounting I	.....3
BA 201	Business Law	.....3
BA 203	Principles of Management	.....3
BI 321	Bible Doctrines	.....2
HI 101	History of Civilization	.....3
PE 225	First Aid	.....2

**Total Hours** ..... 16

BI 322	Bible Doctrines	.....2
ED 102	Personal and Community Health	.....2
MK 204	Principles of Marketing	.....3
PE 210	History, Principles, and Philosophy of Physical Education	.....2
PE 321	Kinesiology	.....2
PM 302	Camp Programs/Management	.....3
PM 310	Sport Management Practicum <sup>1</sup>	.....2

**Total Hours** ..... 16

### JUNIOR

BA 403	Business Communications	.....3
BY 202	General Anatomy and Physiology	.....4
CR 370	Origins	.....2
PE	Coaching Elective	.....2
PM 218	Sport Nutrition	.....3

**Total Hours** ..... 14

BA 330	Computer Applications for Business <sup>2</sup>	.....3
BI 370	Worldview and Apologetics	.....2
EE 308	Teaching PE in Elementary Schools	.....2
HI 102	History of Civilization	.....3
PE 243/293	Weight Training	.....1
PE 368	Developing Fitness Programs or	
PM 311	Sport Management Practicum <sup>1</sup>	.....2
PM 412	Design and Operation of Sport and Recreational Facilities	.....2

**Total Hours** ..... 15

### SENIOR

BI	Bible Elective	.....2
ED 430	Instructional Methods	.....2
PE 226	Minor Sports	.....2
PE	Coaching Elective	.....2
PR 306	Interpersonal Relationships	.....3
	Minor or Electives	.....4

**Total Hours** ..... 15

ED 413	Child Growth & Development or	
ED 415	Adolescent Growth & Dev.	.....3
EN 210	Introduction to Literature	.....3
PE 244	Indoor Rock Climbing	.....1
PE 301	Organization and Administration of Physical Education	.....2
PE 324	Care of Athletic Injuries	.....1
PM 401	Senior Sport Management Seminar	.....2
SP 410	Oral Communication in the Professions	.....2

**Total Hours** ..... 14

<sup>1</sup>Taken during summer or Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Students must meet CS 101 prerequisite by credit or proficiency.

## OFFICE ADMINISTRATION CONCENTRATION

**The purpose of the office administration concentration** is to prepare students to serve the Lord in administrative and support positions of both Christian ministries and business organizations. Students master general office skills and learn to apply biblical principles to workplace decisions. In addition, students obtain a general background in business to help qualify them for promotions to managerial positions.

**Additional Learning Outcomes:** Graduates of the office administration concentration will also be able to

- support management in general office duties and
- direct the work effort of others to support and assist management with the ability for promotion to middle-management positions.

Office administration is designed for those who desire to serve the Lord in the office area. Individual class curriculums teach practical skills that will be performed competently for the glory of the Lord, whether serving in a Christian ministry or the secular business world.

The keyboarding and accounting skills of students enrolled in office administration are developed, refined, and polished. Training in word processing, desktop publishing, and office procedures is included. Character traits such as courtesy, dependability, punctuality, and integrity are stressed. Students receive a full range of skills in office management procedures necessary for a position in Christian or secular work. Business technology, management, or office administration may not be claimed as a minor.

### Keyboarding Skills

Students who complete keyboarding in high school take a placement exam to determine a course best suited for their skill. Required courses waived by a placement exam must be replaced with other business electives.

### Academic Program Fee

\$60 per semester or 3 payments of \$20 (p. 21)

## Office Administration Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
CS 101	Intro. to Computer Applications . . .	1
EN 121	English Grammar/Composition I. . . .	3
HI 101	History of Civilization . . . . .	3
OA 101	Beginning Keyboarding . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours . . . . .</b>		<b>15</b>

##### Spring

BA 101	Introduction to Business . . . . .	2
BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . .	3
HI 102	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
OA 210	Records Management . . . . .	2
<b>Total Hours . . . . .</b>		<b>15</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3
OA 201	Intermediate Keyboarding . . . . .	4
OA 213	Survey of Accounting . . . . .	3
	Minor or Elective . . . . .	3
<b>Total Hours . . . . .</b>		<b>15</b>

BA 220	Business English . . . . .	3
BA 330	Computer Applications for Business . . . . .	3
BI 322	Bible Doctrines . . . . .	2
OA 214	Survey of Accounting . . . . .	3
	Minor or Electives . . . . .	4
<b>Total Hours . . . . .</b>		<b>15</b>

#### JUNIOR

BA 203	Principles of Management . . . . .	3
BI 370	Worldview and Apologetics . . . . .	2
HI 300	History and Principles of Free- Market Economics . . . . .	3
SC	Science Elective . . . . .	3
	Business Elective . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

BA 201	Business Law . . . . .	3
BA 403	Business Communications . . . . .	3
CR 370	Origins . . . . .	2
PR 306	Interpersonal Relationships . . . . .	3
	Minor or Electives . . . . .	4
OA 408	Office Practicum* . . . . .	1
<b>Total Hours . . . . .</b>		<b>16</b>

#### SENIOR

BI	Bible Elective . . . . .	2
OA 301	Advanced Keyboarding . . . . .	4
OA 318	Office Procedures . . . . .	3
OA 411	Desktop Publishing . . . . .	3
	Minor or Elective . . . . .	3
<b>Total Hours . . . . .</b>		<b>15</b>

CS 211	Introduction to Web Design . . . . .	3
OA 418	Office Administration . . . . .	3
PL 304	American Government . . . . .	3
SP 410	Oral Communication in the Professions . . . . .	2
	Minor or Electives . . . . .	4
<b>Total Hours . . . . .</b>		<b>15</b>

\*Taken off campus after attaining senior classification. (See p. 19 for additional cost.)

## MEDICAL OFFICE ADMINISTRATION CONCENTRATION

**The purpose of the medical office administration concentration** is to train students for both support and administrative roles in health-related organizations. In this balanced program, students master general medical terminology, medical billing and coding, and medical transcription as well as general office skills and learn to apply biblical principles to workplace decisions.

**Additional Learning Outcomes:** Graduates of the medical office administration concentration will also be able to

- support management in medical office duties and
- direct the work effort of others to support and assist management in a medical office.

Medical office administration gives specialized training to students interested in health-related office work. The program takes a balanced approach, offering practical preparation in basic office systems skills (such as transcription and encoding/billing) and office management as well as medical office work. Liberal arts courses help prepare well-rounded, ethical, competent Christian people for the medical area. Management or office administration may not be claimed as a minor.

### **Keyboarding Skills**

Students who complete keyboarding in high school take a placement exam to determine a course best suited for their skill. Required courses waived by placement exam must be replaced with other business electives.

### **Academic Program Fee**

\$85 per semester or 3 payments of \$28.33 (p. 21)

## Medical Office Administration Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
CS 101	Intro. to Computer Applications . . .	1
EN 121	English Grammar/Composition I . . .	3
HI 101	History of Civilization . . . . .	3
OA 101	Beginning Keyboarding . . . . .	3
SC 112	Human and Cell Biology . . . . .	3

**Total Hours . . . . . 15**

##### Spring

BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . .	3
MA	Mathematics Elective . . . . .	3
OA 210	Records Management . . . . .	2
SP 101	Fundamentals of Speech . . . . .	3
	Minor or Elective. . . . .	3

**Total Hours . . . . . 16**

#### SOPHOMORE

BA 220	Business English . . . . .	3
BI 321	Bible Doctrines . . . . .	2
HI 102	History of Civilization . . . . .	3
OA 201	Intermediate Keyboarding . . . . .	4
OA 322	Fundamentals of Medical Insurance, Billing, and Coding . . . . .	3

**Total Hours . . . . . 15**

BA 330	Computer Applications for Business . . . . .	3
BI 322	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3
OA 226	Medical Terminology for the Office Professions . . . . .	1
OA 326	Medical Insurance and Billing . . . . .	3
	Minor or Elective. . . . .	3

**Total Hours . . . . . 15**

#### JUNIOR

BA 403	Business Communications . . . . .	3
BI 370	Worldview and Apologetics . . . . .	2
OA 213	Survey of Accounting . . . . .	3
OA 221	Anatomical Terminology I . . . . .	3
OA 327	Diagnosis Coding . . . . .	3

**Total Hours . . . . . 14**

CR 370	Origins . . . . .	2
OA 214	Survey of Accounting . . . . .	3
OA 222	Anatomical Terminology II . . . . .	3
OA 318	Office Procedures . . . . .	3
PR 306	Interpersonal Relationships . . . . .	3
OA 428	Medical Office Practicum* . . . . .	1

**Total Hours . . . . . 15**

#### SENIOR

BI	Bible Elective . . . . .	2
OA 324	Machine Transcription for the Medical Office . . . . .	4
OA 329	Procedural Coding . . . . .	3
SP 410	Oral Communication in the Professions . . . . .	2
	Minor or Electives. . . . .	4

**Total Hours . . . . . 15**

OA 301	Advanced Keyboarding . . . . .	4
OA 411	Desktop Publishing . . . . .	3
OA 418	Office Administration . . . . .	3
OA 424	Advanced Medical Transcription . . . . .	3
	Minor or Elective. . . . .	2

**Total Hours . . . . . 15**

\*Taken off campus after attaining senior classification. (See p. 19 for additional cost.)

## BUSINESS MAJOR

### ASSOCIATE OF SCIENCE DEGREE

**The purpose of the Associate of Science degree in Business** is to prepare students to be skilled office assistants in a variety of Christian ministries and business offices. Students develop proficiency in general office skills specific to their concentration while learning to apply biblical principles to various workplace situations.

**Learning Outcomes:** Graduates of the two-year business program will be able to

- make ethical and moral choices based on a biblical worldview,
- communicate effectively in written and oral presentations,
- use current technology and computer applications effectively in their chosen profession, and
- relate knowledge to practical experiences.

*(Additional learning outcomes are listed for each concentration.)*

## OFFICE SYSTEMS CONCENTRATION

**The purpose of the office systems concentration** is to prepare students to be competent members of a support team in Christian and business offices. Students develop proficiency in general office skills integrated with biblical character traits.

**Additional Learning Outcome:** Graduates of the office systems concentration will also be able to support management in general office duties.

This two-year degree program trains students to become efficient office workers. Academic requirements in this program also apply to the Bachelor of Science degree should a student desire to continue after two years. Because of the standard course rotation, the program should be started in the fall semester.

### High School Preparation

Recommended high school preparation for an office systems concentration is a keyboarding course in which students learn proper technique and develop speed and accuracy. Students will take a placement exam to determine a course best suited for their skills.

Opportunities are available to make up keyboarding deficiencies. In this case, time required to complete an office systems concentration could be expected to increase.

### Academic Program Fee

\$70 per semester or 3 payments of \$23.33 (p. 21)

## Office Systems Concentration

### Recommended Course Sequence

#### FIRST YEAR

Fall	Spring
BI 105 Old Testament Introduction . . . . .2	BA 220 Business English . . . . .3
CS 101 Intro. to Computer Applications . .1	BI 205 New Testament Introduction . . . . .2
EN 121 English Grammar/Composition I . .3	EN 126 English Grammar/Composition II .3
MA Mathematics Elective . . . . .3	OA 201 Intermediate Keyboarding* . . . . .4
OA 213 Survey of Accounting . . . . .3	OA 214 Survey of Accounting . . . . .3
SP 101 Fundamentals of Speech . . . . .3	
<b>Total Hours . . . . .15</b>	<b>Total Hours . . . . .15</b>

#### SECOND YEAR

BA 203 Principles of Management . . . . .3	BA 403 Business Communications . . . . .3
BA 330 Computer Applications for Business . . . . .3	BI 322 Bible Doctrines . . . . .2
BI 321 Bible Doctrines . . . . .2	OA 210 Records Management . . . . .2
OA 318 Office Procedures . . . . .3	OA 301 Advanced Keyboarding . . . . .4
PR 306 Interpersonal Relationships . . . . .3	Business Electives . . . . .5
<b>Total Hours . . . . .14</b>	<b>Total Hours . . . . .16</b>

\*Students must meet OA 101 prerequisite by credit or proficiency.



## MEDICAL OFFICE SYSTEMS CONCENTRATION

**The purpose of the medical office systems concentration** is to prepare students to be skilled workers in a medical office. Students demonstrate competent ability in medical and general office duties while learning to apply biblical principles to various workplace situations.

**Additional Learning Outcome:** Graduates of the medical office systems concentration will also be able to support management in a medical office setting.

This two-year degree program trains students interested in office work in the medical field. Academic requirements in this program also apply to the Bachelor of Science degree should a student desire to continue after two years. Special emphasis is given to terminology and procedures unique to the medical field. The program includes thorough preparation in basic office systems skills such as keyboarding, transcription, filing, and word processing. Because of the standard course rotation, the program should be started in the fall semester.

### High School Preparation

Recommended high school preparation for a medical office systems concentration is a keyboarding course in which students learn proper technique and develop speed and accuracy. Students will take a placement exam to determine a course best suited for their skills. Opportunities are available to make up keyboarding deficiencies. In this case, time required to complete a medical office systems concentration could be expected to increase.

### Academic Program Fee

\$100 per semester or 3 payments of \$33.33 (p. 21)



## Medical Office Systems Concentration

### Recommended Course Sequence

#### FIRST YEAR

##### Fall

BI 105	Old Testament Introduction . . . . .	2
CS 101	Intro. to Computer Applications . . .	1
EN 121	English Grammar/Composition I . . .	3
OA 221	Anatomical Terminology I . . . . .	3
SC 112	Human and Cell Biology . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 15**

##### Spring

BA 220	Business English . . . . .	3
BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . .	3
OA 201	Intermediate Keyboarding* . . . . .	4
OA 222	Anatomical Terminology II . . . . .	3
OA 226	Medical Terminology for the Office Professions . . . . .	1

**Total Hours . . . . . 16**

#### SECOND YEAR

BA 330	Computer Applications for Business . . . . .	3
BI 321	Bible Doctrines . . . . .	2
OA 210	Records Management . . . . .	2
OA 322	Fundamentals of Med. Insurance, Billing, and Coding . . . . .	3
OA 324	Machine Transcription for the Medical Office . . . . .	4
PR 306	Interpersonal Relationships . . . . .	3

**Total Hours . . . . . 17**

BA 403	Business Communications . . . . .	3
BI 322	Bible Doctrines . . . . .	2
MA	Mathematics Elective . . . . .	3
OA 301	Advanced Keyboarding . . . . .	4
OA 318	Office Procedures . . . . .	3

**Total Hours . . . . . 15**

\*Students must meet OA 101 prerequisite by credit or proficiency.

# EDUCATION DEPARTMENT

*Division of Professional Studies*

Mr. Eric Bryant, Chair

## Undergraduate Degrees

### Bachelor of Science

#### **107 Elementary Education Major**

**109** Early Childhood Concentration

#### **111 Music Education Major**

*with Choral Conducting, Instrumental,  
and Keyboard Emphases*

#### **116 Secondary Education Major**

Concentrations:

**117** Biology

**119** English

**120** History

**122** Mathematics

**123** Physical Education

**125** Science

**126** Speech

#### **204, 206 Minors**

Education, Physical Education,  
Special Education

#### **75–76 Missions Broad Fields**

Elementary Education,  
Teaching English

#### **60 Youth Ministries Emphases**

Education, Physical Education

#### **128–129 Second Teaching Fields**

## Graduate Degrees

(See Seminary & Graduate Studies Catalog.)

### Master of Science

Educational Leadership

Curriculum and Instruction

Specializations:

Elementary, English, History  
Mathematics, Science,  
Secondary (General), Speech,  
Music with Conducting,  
Instrumental, Keyboard, and  
Vocal Proficiencies

### Education Specialist

Educational Leadership

Curriculum and Instruction

Specializations:

Elementary, English, History,  
Science, Secondary (General)

### Doctor of Education

Educational Leadership

Curriculum and Instruction

Specializations:

Elementary, English, History,  
Science, Secondary (General)



At the center of the **education department** at Pensacola Christian College is the knowledge that all truth and wisdom come from God. Students are taught truths from God's everlasting revelation in the Scriptures and in God's creation; they learn to use teacher-centered techniques that include biblical integration to ensure K-12 students are prepared to serve wherever God calls them. Our purpose is to prepare students to teach effectively in any classroom while emphasizing the opportunity to teach in Christian schools. Graduates are qualified to receive teacher certification through the American Association of Christian Schools (AACCS) and the Association of Christian Schools International (ACSI). The programs do not lead to state licensure. The faculty are successfully experienced in the techniques of classroom teaching and management methods. Our purpose is to prepare students to teach in Christian schools. The programs are not designed to prepare students to teach in public schools.

The founder of Pensacola Christian College has been a leading pioneer in the Christian day-school movement. The College conducts training clinics for teachers and administrators. Abeka, an affiliate of Pensacola Christian College, publishes Christian textbooks. PCC is also the home of Abeka Academy. Education majors at PCC reap the benefits of this experience and expertise and come to understand the heartbeat of Christian education.

Continuation as an education major is dependent upon an ongoing evaluation of the student's teaching and/or academic progress. A degree in education is subject to successful teaching experiences. A student may be removed at any time from the education major and/or teaching experiences if, in the opinion of the faculty/administration, the student fails to perform satisfactorily or improve sufficiently in the appropriate teaching skills, regardless of the student's academic average in the program or particular course. Students receiving a "D" or "F" in the final teaching experience of EE/SE 201, ED 251, or any 300- or 400-level teaching course will not receive a satisfactory grade for that course. Education majors cannot repeat EE/SE 201, ED 251, or any 300- or 400-level teaching course, including teaching internship, more than one time, nor may they repeat more than one 300- or 400-level teaching course. Upon failure of a second teaching course, the student's status will be reviewed to determine if he can continue in the education major. These policies apply to elementary education and teaching English broad field requirements of the missions concentration. Students approved to retake the teaching internship may be required to take remedial work first. Students who are removed from one education major cannot declare any other education major or broad field.

## ELEMENTARY EDUCATION MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the elementary education major** is to prepare students to teach in a Christian elementary or early childhood program by equipping them with a Christian-traditional philosophy of subject content and teaching methods, practical teaching skills, and a servant's heart.

**Learning Outcomes:** Graduates of the elementary education program will be able to

- apply a Christian-traditional philosophy of education to content and methods of teaching in elementary or early childhood classes;
- demonstrate competency in elementary-level or early childhood subject content;
- demonstrate proficiency in the use of methods and materials appropriate for the Christian-traditional elementary or early childhood classroom;
- organize, establish, and manage an effective learning environment;
- demonstrate knowledge of the learner with ability to teach him;
- teach effectively in a Christian elementary or early childhood program;
- integrate biblical Christian values in teaching; and
- exhibit the professional qualities required of successful teachers.

The elementary education major provides knowledge and skill to work with first-grade through sixth-grade students. The program uses the best curriculum, methods, and equipment to prepare students to teach. Pensacola Christian Academy classrooms become the students' laboratory for learning how to teach. Students gain experience *before* beginning their elementary teaching internship—freshmen observe recordings of elementary classes; sophomores and juniors teach peers and some elementary classes for additional preparation.

Education may not be claimed as a minor.

#### Elementary Teaching Internship

The Elementary Teaching Internship (EE 420) begins fall Pre-term with a Teaching Internship Orientation (ED 419). Internship students spend a complete semester in a PCA classroom. There, an experienced elementary teacher mentors them, helps them refine their skills, answers their questions, give them ideas, and works with them as a genuine teammate. Students participate in orientation day, parent-teacher meetings, school events, classroom management, and all aspects of teaching. One subject at a time, they take over teaching responsibilities—eventually taking full responsibility of the entire class.

**Academic Program Fee**

\$30 per semester or 3 payments of \$10 (p. 21)

**Elementary Education Major**

Recommended Course Sequence

**FRESHMAN**

**Fall**

BI 105	Old Testament Introduction . . . . .	2
ED 101	Philosophy of Christian Education . . . . .	3
EN 121	English Grammar/Composition I . . .	3
HI 101	History of Civilization . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours</b>		<b>14</b>

**Spring**

BI 205	New Testament Introduction . . . . .	2
ED 102	Personal and Community Health . .	2
EN 126	English Grammar/Composition II . .	3
HI 102	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
	Minor or Elective . . . . .	2
<b>Total Hours</b>		<b>15</b>

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
EE 201	Materials and Methods . . . . .	3
EE 205	Intensive Phonics Instruction . . . .	2
HI 201	United States History . . . . .	3
SC 111	Fundamentals of Biology . . . . .	3
PE 195	Elementary PE Activities . . . . .	1
EE 210	Elementary Education Practicum <sup>1</sup>	1
<b>Total Hours</b>		<b>15</b>

BI 322	Bible Doctrines . . . . .	2
ED 219	Teaching the Reluctant Learner . . .	2
EE 215	Arithmetic Skills for the Elementary School . . . . .	2
EN 210	Introduction to Literature . . . . .	3
HI 202	United States History . . . . .	3
SC 112	Human and Cell Biology . . . . .	3
ED 211	Education Field Experience <sup>2</sup> . . . . .	1
<b>Total Hours</b>		<b>16</b>

**JUNIOR**

BI	Bible Elective . . . . .	2
CR 370	Origins . . . . .	2
EE 301	Teaching Arithmetic . . . . .	2
EE 306	Teaching Art and Music . . . . .	1
EE 308	Teaching PE in Elementary Schools . . . . .	2
EE 311	Teaching Penmanship . . . . .	1
EE 321	Teaching Science and History . . .	2
SC 211	Earth and Space . . . . .	3
<b>Total Hours</b>		<b>15</b>

BI 370	Worldview and Apologetics . . . . .	2
ED 301	Tests and Measurements . . . . .	1
ED 306	Computer Apps. in Education <sup>3</sup> . . .	1
ED 322	Educational Psychology . . . . .	3
EE 317	Teaching Reading . . . . .	2
EE 325	Teaching Language Arts . . . . .	2
EE 330	Teaching Bible . . . . .	2
SC 212	Physical Science . . . . .	3
<b>Total Hours</b>		<b>16</b>

**SENIOR**

ED 419	Teaching Internship Orientation <sup>4,5</sup>	1
EE 420	Elementary Teaching Internship <sup>4</sup>	12
<b>Total Hours</b>		<b>13</b>

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
ED 413	Child Growth and Development . .	3
EE 412	Children's Literature . . . . .	2
MU213	Appreciation of Fine Arts . . . . .	3
	Minor or Electives . . . . .	6
<b>Total Hours</b>		<b>16</b>

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>3</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>4</sup>Scheduled by education department.

<sup>5</sup>Taken the Pre-term prior to EE 420. (See p. 19 for additional cost.)

## EARLY CHILDHOOD CONCENTRATION

Early childhood concentration provides young women the knowledge and skill to work with nursery-school students through second-grade students and direct an early childhood program.

### Early Childhood Teaching Internship

The Early Childhood Teaching Internship (EE 450) begins fall Pre-term with a Teaching Internship Orientation (ED 419). Internship students spend a complete semester in a PCA classroom. There, an experienced early childhood teacher mentors them, helps them refine their skills, answers their questions, gives them ideas, and works with them as a genuine teammate. Students participate in orientation day, parent-teacher meetings, school events, classroom management, and all aspects of teaching. One subject at a time, they take over teaching responsibilities—eventually taking full responsibility of the entire class.

### Academic Program Fee

\$30 per semester or 3 payments of \$10 (p. 21)



## Early Childhood Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
ED 101	Philosophy of Christian Education . . . . .	3
EN 121	English Grammar/Composition I . . .	3
HI 101	History of Civilization . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 14**

##### Spring

BI 205	New Testament Introduction . . . . .	2
ED 102	Personal and Community Health . .	2
EN 126	English Grammar/Composition II . .	3
HI 102	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
	Minor or Elective . . . . .	2

**Total Hours . . . . . 15**

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
EE 201	Materials and Methods . . . . .	3
EE 215	Arithmetic Skills for the Elementary School . . . . .	2
EN 210	Introduction to Literature . . . . .	3
SC 111	Fundamentals of Biology . . . . .	3
	Minor or Elective . . . . .	1
ED 210	Early Childhood Education Practicum <sup>1</sup> . . . . .	1

**Total Hours . . . . . 15**

BI 322	Bible Doctrines . . . . .	2
ED 219	Teaching the Reluctant Learner . . .	2
EE 205	Intensive Phonics Instruction . . . .	2
EE 207	Early Childhood Development . . . .	2
PE 225	First Aid . . . . .	2
SC 112	Human and Cell Biology . . . . .	3
	Minor or Elective . . . . .	2
ED 211	Education Field Experience <sup>2</sup> . . . . .	1

**Total Hours . . . . . 16**

#### JUNIOR

BI 370	Worldview and Apologetics . . . . .	2
ED 322	Educational Psychology . . . . .	3
EE 306	Teaching Art and Music . . . . .	1
EE 317	Teaching Reading . . . . .	2
EE 330	Teaching Bible . . . . .	2
EE 343	Teaching Preschoolers . . . . .	2
SP 207	Storytelling . . . . .	2
	Minor or Elective . . . . .	2

**Total Hours . . . . . 16**

BI	Bible Elective . . . . .	2
CR 370	Origins . . . . .	2
ED 448	Early Childhood Administration . . .	3
EE 301	Teaching Arithmetic . . . . .	2
EE 311	Teaching Penmanship . . . . .	1
EE 325	Teaching Language Arts . . . . .	2
	Minor or Elective . . . . .	3

**Total Hours . . . . . 15**

#### SENIOR

ED 306	Computer Applications in Education <sup>3</sup> . . . . .	1
ED 413	Child Growth and Development . . .	3
EE 321	Teaching Science and History . . . .	2
EE 412	Children's Literature . . . . .	2
MU213	Appreciation of Fine Arts . . . . .	3
PR 415	Marriage and Family Education . . .	3
	Minor or Elective . . . . .	2

**Total Hours . . . . . 16**

ED 419	Teaching Internship Orientation <sup>4,5</sup> .	1
EE 450	Early Childhood Teaching Internship <sup>4</sup> . . . . .	12

**Total Hours . . . . . 13**

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>3</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>4</sup>Scheduled by education department.

<sup>5</sup>Taken the Pre-term prior to EE 450. (See p. 19 for additional cost.)

## MUSIC EDUCATION MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the music education major** is to prepare students to teach in a Christian school by equipping them with a Christian-traditional philosophy of music content and teaching methods, practical teaching skills, and a servant's heart.

**Learning Outcomes:** Graduates of the music education program will be able to

- apply a Christian-traditional philosophy of music to purposes, content, and methods of teaching;
- demonstrate appropriate skill in their primary proficiency;
- demonstrate a working knowledge of the elements of music;
- organize, establish, and manage an effective learning environment;
- demonstrate knowledge of the learner with ability to teach him;
- teach effectively in a Christian school;
- integrate biblical Christian values in teaching; and
- exhibit the professional qualities required of successful teachers.

PCC's music education program offers a distinctively Christian education, with an emphasis on glorifying God through music. Students gain practical knowledge, personal instruction, and experience in all areas of music.

Numerous opportunities for ministry and performance in solo and group settings are available. This well-rounded education prepares upcoming music teachers for instruction in the classroom, rehearsal hall, and private studio.

#### Major Emphasis

Students must demonstrate sufficient talent and ability to pursue music courses. They must demonstrate appropriate ability via freshman evaluation, sophomore platform, and senior recital in an area of applied music and take instruction in this field every semester. This major emphasis may be choral conducting, instrumental, or keyboard.

#### Music Repertoire

Students with a major in music education are required to enroll in Music Repertoire each semester they enroll in private lessons/conducting classes after passing the first two semesters of lessons. (Choral conducting emphases enroll in music repertoire after completing VO 121 and 122.)



## Secondary Piano Examination

Students whose major emphasis is choral conducting or instrumental must have secondary skill in piano and must pass the secondary piano examination or pass PI 211–212.

## Platform Evaluation and Recitals

Second-semester sophomores must pass a music platform evaluation to be approved for a major in music education. A public recital is given during the senior year.

## Ensemble Participation

All music education majors must participate in one performing ensemble every semester, including their last 4 semesters. Performing ensembles that meet requirements for each emphasis are as follows:

**Choral Conducting:** Chamber Ensemble, Symphonic Choir

**Instrumental:** Orchestra

**Keyboard:** Accompaniment Practicum, Chamber Ensemble, Handbell Choir, Orchestra, Proclaim Ministry Team (Music), Symphonic Band, Symphonic Choir

## Music Teaching Internship

The Music Teaching Internship (ED 450) begins fall Pre-term with a Teaching Internship Orientation (ED 419). Internship students spend a complete semester at PCA. There, experienced music teachers mentor them, help them refine their skills, answer their questions, give them ideas, and work with them as genuine teammates. Students participate in orientation day, parent-teacher meetings, school events, classroom management, and all aspects of teaching. Teaching in their concentration permits a complete training as they work with private lessons and groups such as choirs, band, or orchestra. They refine the skills needed to become an excellent teacher by first observing and eventually becoming fully responsible for their own music students.

## Academic Program Fee

\$50 per semester or 3 payments of \$16.67 (instrumental emphasis is \$55 per semester or 3 payments of \$18.33). Students taking music lessons and group instruction pay appropriate music course fees (p. 21).

**Music Education Major with Choral Conducting Emphasis**

## Recommended Course Sequence

**FRESHMAN****Fall**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
MU101	Music Theory I . . . . .	4
PI 211	Secondary Piano . . . . .	1
SP 101	Fundamentals of Speech . . . . .	3
VO 121	Vocal Instruction . . . . .	1
	Ensemble . . . . .	1
<b>Total Hours</b> . . . . .		<b>15</b>

**Spring**

BI 205	New Testament Introduction . . . . .	2
ED 101	Philosophy of Christian Ed. . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
MU102	Music Theory II . . . . .	4
PI 212	Secondary Piano . . . . .	1
VO 122	Vocal Instruction . . . . .	1
	Ensemble . . . . .	1
<b>Total Hours</b> . . . . .		<b>15</b>

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
ED 251	Introduction to Music Education . . . . .	3
MA	Mathematics Elective . . . . .	3
MU201	Music Theory III . . . . .	4
MU226	Choral Methods . . . . .	2
VO 231	Private Voice . . . . .	1
	Ensemble . . . . .	1
<b>Total Hours</b> . . . . .		<b>16</b>

BI 322	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3
HI 101	History of Civilization . . . . .	3
MU 220	Intro. to Music Technology . . . . .	3
MU 272	Choral Conducting . . . . .	1
MU 308	Strings Methods . . . . .	2
VO 232	Private Voice . . . . .	1
	Ensemble . . . . .	1
<b>Total Hours</b> . . . . .		<b>16</b>

**JUNIOR**

BI 370	Worldview and Apologetics . . . . .	2
ED 351	Teaching Elementary Music . . . . .	2
MU301	History of Music . . . . .	3
MU307	Woodwind Methods . . . . .	2
MU315	Elements of Conducting . . . . .	2
MU327	Voice Materials and Methods . . . . .	2
MU371	Choral Conducting . . . . .	1
	Ensemble . . . . .	1
ED 259	Music Education Practicum <sup>1</sup> . . . . .	1
<b>Total Hours</b> . . . . .		<b>16</b>

BI	Bible Elective . . . . .	2
CD 322	Private Conducting . . . . .	1
ED 322	Educational Psychology . . . . .	3
ED 352	Teaching Secondary Music . . . . .	2
MU302	History of Music . . . . .	3
MU446	Instrumental Conducting . . . . .	2
	Ensemble . . . . .	1
	Elective . . . . .	1
<b>Total Hours</b> . . . . .		<b>15</b>

**SENIOR**

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
CD 421	Private Conducting . . . . .	1
ED 419	Teaching Internship Orientation <sup>2,3</sup> . . . . .	1
ED 450	Music Teaching Internship <sup>2</sup> . . . . .	7
	Ensemble . . . . .	1
<b>Total Hours</b> . . . . .		<b>12</b>

CR 370	Origins . . . . .	2
HI 102	History of Civilization . . . . .	3
MU231	Piano Accompaniment . . . . .	1
MU310	Choral Writing and Arranging . . . . .	2
MU410	Brass and Percussion Methods . . . . .	2
MU479	Private Conducting/Recital (Educ.) . . . . .	1
SC	Science Elective . . . . .	3
	Ensemble . . . . .	1
<b>Total Hours</b> . . . . .		<b>15</b>

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)<sup>2</sup>Scheduled by education department.<sup>3</sup>Taken the Pre-term prior to ED 450. (See p. 19 for additional cost.)

## Music Education Major with Instrumental Emphasis

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
EN 121	English Grammar/Composition I . . . . .3	ED 101	Philosophy of Christian Ed. . . . .3
MU101	Music Theory I . . . . .4	EN 126	English Grammar/Composition II . . . . .3
PI 211	Secondary Piano . . . . .1	MU 102	Music Theory II . . . . .4
SP 101	Fundamentals of Speech . . . . .3	PI 212	Secondary Piano . . . . .1
ST 141	Orchestra . . . . .1	ST 142	Orchestra . . . . .1
	Private Instrument . . . . .1		Private Instrument . . . . .1
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>15</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
ED 251	Introduction to Music Education . . . . .3	EN 210	Introduction to Literature . . . . .3
HI 101	History of Civilization . . . . .3	HI 102	History of Civilization . . . . .3
MU201	Music Theory III . . . . .4	MU 220	Intro. to Music Technology . . . . .3
MU226	Choral Methods . . . . .2	MU308	Strings Methods . . . . .2
ST 241	Orchestra . . . . .1	ST 242	Orchestra . . . . .1
	Private Instrument . . . . .1		Private Instrument . . . . .1
<b>Total Hours</b>	<b>16</b>	<b>Total Hours</b>	<b>15</b>

#### JUNIOR

BI 370	Worldview and Apologetics . . . . .2	BI	Bible Elective . . . . .2
ED 351	Teaching Elementary Music . . . . .2	ED 322	Educational Psychology . . . . .3
MU301	History of Music . . . . .3	ED 352	Teaching Secondary Music . . . . .2
MU307	Woodwind Methods . . . . .2	MU302	History of Music . . . . .3
MU315	Elements of Conducting . . . . .2	MU312	Instrumental Materials and Methods . . . . .2
ST 341	Orchestra . . . . .1	MU418	Orchestration . . . . .2
	Private Instrument . . . . .1	ST 342	Orchestra . . . . .1
ED 259	Music Education Practicum <sup>1</sup> . . . . .1		Private Instrument . . . . .1
<b>Total Hours</b>	<b>14</b>	<b>Total Hours</b>	<b>16</b>

#### SENIOR

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .2	CR 370	Origins . . . . .2
ED 419	Teaching Internship Orientation <sup>2,3</sup> . . . . .1	MU410	Brass and Percussion Methods . . . . .2
ED 450	Music Teaching Internship <sup>2</sup> . . . . .7	MU446	Instrumental Conducting . . . . .2
MA	Mathematics Elective . . . . .3	MU	Arranging Elective . . . . .2
ST 441	Orchestra . . . . .1	MU	Private Instrument/Recital (Educ.) . . . . .1
	Private Instrument . . . . .1	SC	Science Elective . . . . .3
<b>Total Hours</b>	<b>15</b>	ST 442	Orchestra . . . . .1
			Elective . . . . .1
		<b>Total Hours</b>	<b>14</b>

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Scheduled by education department.

<sup>3</sup>Taken the Pre-term prior to ED 450. (See p. 19 for additional cost.)

# Music Education Major with Keyboard Emphasis

## Recommended Course Sequence

### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
EN 121	English Grammar/Composition I . . . . .3	ED 101	Philosophy of Christian Ed. . . . .3
MU101	Music Theory I . . . . .4	EN 126	English Grammar/Composition II . . . . .3
MU121	Vocal Class I . . . . .1	MU102	Music Theory II . . . . .4
PI 121	Private Piano . . . . .1	PI 122	Private Piano . . . . .1
SP 101	Fundamentals of Speech . . . . .3		Ensemble . . . . .1
	Ensemble . . . . .1		Elective . . . . .1
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .15</b>	

### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
ED 251	Introduction to Music Education . . . . .3	HI 101	History of Civilization . . . . .3
MU201	Music Theory III . . . . .4	MA	Mathematics Elective . . . . .3
MU226	Choral Methods . . . . .2	MU 220	Intro. to Music Technology . . . . .3
MU233	Hymn Keyboard Skills I . . . . .2	MU 230	Piano Accompanying . . . . .1
PI 221	Private Piano . . . . .1	MU 234	Hymn Keyboard Skills II . . . . .2
	Ensemble . . . . .1	PI 222	Private Piano . . . . .1
			Ensemble . . . . .1
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .16</b>	

### JUNIOR

BI 370	Worldview and Apologetics . . . . .2	BI	Bible Elective . . . . .2
ED 351	Teaching Elementary Music . . . . .2	ED 322	Educational Psychology . . . . .3
MU301	History of Music . . . . .3	ED 352	Teaching Secondary Music . . . . .2
MU307	Woodwind Methods . . . . .2	MU302	History of Music . . . . .3
MU335	Piano Materials and Methods . . . . .2	MU308	Strings Methods . . . . .2
PI 151	Accompaniment Practicum . . . . .1	MU336	Piano Materials and Methods . . . . .2
PI 321	Private Piano . . . . .1	PI 152	Accompaniment Practicum . . . . .1
ED 259	Music Education Practicum <sup>1</sup> . . . . .1	PI 322	Private Piano . . . . .1
<b>Total Hours . . . . .14</b>		<b>Total Hours . . . . .16</b>	

### SENIOR

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .2	CR 370	Origins . . . . .2
ED 419	Teaching Internship Orientation <sup>2,3</sup> . . . . .1	HI 102	History of Civilization . . . . .3
ED 450	Music Teaching Internship <sup>2</sup> . . . . .7	MU310	Choral Writing and Arranging . . . . .2
EN 210	Introduction to Literature . . . . .3	MU410	Brass and Percussion Methods . . . . .2
PI 421	Private Piano . . . . .1	MU474	Private Piano/Recital (Educ.) . . . . .1
	Ensemble . . . . .1	SC	Science Elective . . . . .3
			Ensemble . . . . .1
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .14</b>	

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Scheduled by education department.

<sup>3</sup>Taken the Pre-term prior to ED 450. (See p. 19 for additional cost.)

## SECONDARY EDUCATION MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the secondary education major** is to prepare students to teach in a Christian school by equipping them with a Christian-traditional philosophy of subject content and teaching methods, practical teaching skills, and a servant's heart.

**Learning Outcomes:** Graduates of the secondary education program will be able to

- apply a Christian-traditional philosophy of education to purposes, content, and methods of teaching;
- demonstrate knowledge and understanding of subject content unique to their selected concentration and second teaching field;
- demonstrate proficiency in the use of methods and materials appropriate for the traditional secondary classroom;
- organize, establish, and manage an effective learning environment;
- demonstrate knowledge of the learner with ability to teach him;
- teach effectively in a Christian junior high or high school;
- integrate biblical Christian values in teaching; and
- exhibit the professional qualities required of successful teachers.

Students majoring in secondary education are given the best preparation in curriculum, methods, and equipment. They select a first field of concentration and a second teaching field (pp. 117–129) designed to meet the needs of Christian schools. Students observe videotaped high school classes as well as live high school classes. They gain experience *before* beginning their teaching internship by teaching peers during sophomore and junior years.

#### **Music Second Teaching Field**

Students with a Music second teaching field (p. 128) must demonstrate sufficient ability in one area of applied music and will take instruction in this area for six semesters. Students in their fourth semester of private music lessons must pass a platform to be approved for a music second teaching field. After passing the platform, students are required to enroll in Music Repertoire each semester they are enrolled in private lessons. Students with a vocal or instrumental emphasis must participate in a performing ensemble two semesters sometime during sophomore, junior, or senior years. Performing ensembles that meet requirements for each emphasis are as follows:

**Instrumental:** Orchestra, Symphonic Band

**Vocal:** Chamber Ensemble, Symphonic Choir

### **Secondary Teaching Internship**

The Secondary Teaching Internship (SE 420) begins fall Pre-term with a Teaching Internship Orientation (ED 419). Internship students spend a complete semester at PCA. Mentored by knowledgeable secondary teachers, students gain experience as they participate in every aspect of teaching—eventually becoming fully responsible for their own classes. Teaching in both their primary concentration and their second teaching field, they refine the skills needed to become an excellent teacher and be ready to lead their first class with confidence.

## **BIOLOGY CONCENTRATION**

God allows man, through scientific learning, to begin to unlock the mysteries of His creation. The truths learned from careful analysis of biological systems can then be applied to the improvement of mankind and to the fulfillment of God’s mandate in Genesis for man to be a good steward of His creation. Biology education students begin to understand how living things function and how to pass on these wonders to their own students.

### **Second Teaching Field Requirement**

Biology education students may not choose science as a second teaching field.

### **Academic Program Fee**

\$115 per semester or 3 payments of \$38.33 (p. 21)

## Biology Concentration

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
BY 111	General Biology I . . . . .4	BY 112	General Biology II . . . . .4
ED 101	Philosophy of Christian Education . . . . .3	BY 201	General Anatomy and Physiology . . . . .4
EN 121	English Grammar/Composition I . .3	EN 126	English Grammar/Composition II .3
	Second Teaching Field . . . . .3		Second Teaching Field . . . . .3
<b>Total Hours</b> . . . . .	<b>15</b>	<b>Total Hours</b> . . . . .	<b>16</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
BY 202	General Anatomy and Physiology . . . . .4	BY 222	Botany . . . . .4
SE 201	General Teaching Methods . . . . .3	HI 101	History of Civilization . . . . .3
SP 101	Fundamentals of Speech . . . . .3	MA121	College Algebra 1 <sup>2</sup> . . . . .3
	Second Teaching Field . . . . .3		Second Teaching Field . . . . .3
SE 210	Secondary Education Practicum <sup>1</sup> .1	ED 211	Education Field Experience <sup>3</sup> . . . .1
<b>Total Hours</b> . . . . .	<b>16</b>	<b>Total Hours</b> . . . . .	<b>16</b>

#### JUNIOR

BI 370	Worldview and Apologetics . . . . .2	CH 112	General Chemistry II . . . . .4
BY 323	Ecology . . . . .4	CR 370	Origins . . . . .2
BY 331	Genetics . . . . .4	ED 306	Computer Applications in Education <sup>4</sup> . . . . .1
CH 111	General Chemistry I . . . . .4	ED 322	Educational Psychology . . . . .3
SE	Teaching Methods in Second Field . . . . .3	SE 308	Teaching Science . . . . .3
			Second Teaching Field . . . . .3
<b>Total Hours</b> . . . . .	<b>17</b>	<b>Total Hours</b> . . . . .	<b>16</b>

#### SENIOR

BI 318	Biblical Poetry <sup>5</sup> . . . . .2	BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .2
ED 301	Tests and Measurements <sup>5</sup> . . . . .1	EN 210	Introduction to Literature . . . . .3
ED 415	Adolescent Growth and Development <sup>5</sup> . . . . .3	HI 102	History of Civilization . . . . .3
ED 419	Teaching Internship Orientation <sup>5,6</sup> 1	SC 211	Earth and Space . . . . .3
SE 420	Secondary Teaching Internship <sup>5</sup> . .7		Second Teaching Field . . . . .3
<b>Total Hours</b> . . . . .	<b>14</b>	<b>Total Hours</b> . . . . .	<b>14</b>

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>If second field is math, may begin with higher-level MA course

<sup>3</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>4</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>5</sup>Scheduled by education department.

<sup>6</sup>Taken the Pre-term prior to SE 420. (See p. 19 for additional cost.)

# ENGLISH CONCENTRATION

A good English background is basic to a good education. God gave men the ability to analyze their own words into patterns and structures that can be studied and organized to communicate better. Therefore, we teach grammatical rules and conventional patterns as the best productive manner to promote proper communication. Good writing skills are the result of a good English program. The study of classic literature reflects what man has done with God’s gift of thought and language and expresses in artistic form the great moral forces which stimulate many activities of human life.

## Academic Program Fee

\$30 per semester or 3 payments of \$10 (p. 21)

## English Concentration

Recommended Course Sequence

### FRESHMAN

Fall	Spring
BI 105 Old Testament Introduction . . . . .2	BI 205 New Testament Introduction . . . . .2
EN 121 English Grammar/Composition I . . . . .3	ED 101 Philosophy of Christian Education . . . . .3
HI 101 History of Civilization . . . . .3	EN 126 English Grammar/Composition II . . . . .3
MA Mathematics Elective . . . . .3	HI 102 History of Civilization . . . . .3
MA Second Teaching Field . . . . .4	SP 101 Fundamentals of Speech . . . . .3
	SP Second Teaching Field . . . . .2
<b>Total Hours . . . . .15</b>	<b>Total Hours . . . . .16</b>

### SOPHOMORE

BI 321 Bible Doctrines . . . . .2	BI 322 Bible Doctrines . . . . .2
EN 251 British Literature . . . . .3	EN 252 American Literature . . . . .3
EN 301 Creative Writing . . . . .3	EN 360 Advanced English Grammar and Composition . . . . .3
SE 201 General Teaching Methods . . . . .3	HI 310 History of England . . . . .3
SE Second Teaching Field . . . . .3	SE Second Teaching Field . . . . .3
SE 210 Secondary Education Practicum <sup>1</sup> . . . . .1	ED 211 Education Field Experience <sup>2</sup> . . . . .1
<b>Total Hours . . . . .15</b>	<b>Total Hours . . . . .15</b>

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Taken during summer. (See p. 19 for additional cost.)



**JUNIOR**

<b>Fall</b>	<b>Spring</b>
BI 370 Worldview and Apologetics.....2	CR 370 Origins ..... 2
ED 322 Educational Psychology.....3	ED 306 Computer Applications in Education <sup>4</sup> ..... 1
EN Literature Electives (300- or 400-level) <sup>3</sup> .....6	EN 315 Shakespeare ..... 3
SE 304 Teaching English.....3	EN 423 The Classics of Western Literature..... 3
Second Teaching Field .....2	SE Teaching Methods in Second Field ..... 3
	Second Teaching Field ..... 4
<b>Total Hours..... 16</b>	<b>Total Hours..... 16</b>

**SENIOR**

BI 318 Biblical Poetry <sup>5</sup> .....2	BI/BB/MI/PR Bible/Bible Background/ Missions/Practical Training Elective.....2
ED 301 Tests and Measurements <sup>5</sup> ..... 1	CS/MA/SC Computer Science/Mathematics/ Science Elective.....3
ED 415 Adolescent Growth and Development <sup>5</sup> .....3	EN 362 History and Trends of the English Language.....3
ED 419 Teaching Internship Orientation <sup>5,6</sup> .....1	SC Science Elective .....3
SE 420 Secondary Teaching Internship <sup>5</sup> ...7	SE 321 Teaching Reading Skills for the Secondary Student .....2
<b>Total Hours..... 14</b>	<b>Total Hours..... 13</b>

<sup>3</sup>May take EN 291 in place of a literature elective.

<sup>4</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>5</sup>Scheduled by education department.

<sup>6</sup>Taken the Pre-term prior to SE 420. (See p. 19 for additional cost.)

## HISTORY CONCENTRATION

History is more than a chronological record of past events. It is a view of the mainstream of historical events as they harmonize and correlate with the Scriptural record. Historical events reveal the nations’ response to God as they interact with each other. This concentration includes other related areas such as American government, economics, and political science.

### Academic Program Fee

\$30 per semester or 3 payments of \$10 (p. 21)

# History Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
	Second Teaching Field . . . . .	2
<b>Total Hours</b>		<b>16</b>

#### Spring

BI 205	New Testament Introduction . . . . .	2
ED 101	Philosophy of Christian Education . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
	Second Teaching Field . . . . .	5
<b>Total Hours</b>		<b>16</b>

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
HI 201	United States History . . . . .	3
HI 211	World Geography . . . . .	3
SE 201	General Teaching Methods . . . . .	3
	Second Teaching Field . . . . .	4
SE 210	Secondary Education Practicum <sup>1</sup> . . . . .	1
<b>Total Hours</b>		<b>16</b>

BI 322	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3
HI 202	United States History . . . . .	3
PL 304	American Government . . . . .	3
	Second Teaching Field . . . . .	4
ED 211	Education Field Experience <sup>2</sup> . . . . .	1
<b>Total Hours</b>		<b>16</b>

### JUNIOR

BI 370	Worldview and Apologetics . . . . .	2
ED 306	Computer Applications in Education <sup>3</sup> . . . . .	1
HI	History Electives . . . . .	6
PL 207	Introduction to Political Science . . . . .	3
SE 306	Teaching History . . . . .	3
	Second Teaching Field . . . . .	1
<b>Total Hours</b>		<b>16</b>

CR 370	Origins . . . . .	2
ED 322	Educational Psychology . . . . .	3
HI 300	History and Principles of Free- Market Economics . . . . .	3
HI	History Elective . . . . .	3
SE	Teaching Methods in Second Field . . . . .	3
	Second Teaching Field . . . . .	2
<b>Total Hours</b>		<b>16</b>

### SENIOR

BI 318	Biblical Poetry <sup>4</sup> . . . . .	2
ED 301	Tests and Measurements <sup>4</sup> . . . . .	1
ED 415	Adolescent Growth and Development <sup>4</sup> . . . . .	3
ED 419	Teaching Internship Orientation <sup>4,5</sup> . . . . .	1
SE 420	Secondary Teaching Internship <sup>4</sup> . . . . .	7
<b>Total Hours</b>		<b>14</b>

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
HI	History Elective . . . . .	3
SC	Science Elective . . . . .	3
SE 321	Teaching Reading Skills for the Secondary Student . . . . .	2
<b>Total Hours</b>		<b>13</b>

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>3</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>4</sup>Scheduled by education department.

<sup>5</sup>Taken the Pre-term prior to SE 420. (See p. 19 for additional cost.)

# MATHEMATICS CONCENTRATION

Learning mathematics is studying God’s thoughts after Him, for all mathematical laws are God’s laws. Our knowledge of God’s absolute mathematical laws may be incomplete or at times in error, but that is a human frailty and thus does not indicate relativity in mathematical laws. Man’s task is to search out the laws of the universe.

## Academic Program Fee

\$55 per semester or 3 payments of \$18.33 (p. 21)

## Mathematics Concentration

Recommended Course Sequence

### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
ED 101	Philosophy of Christian Education . . . . .3	EN 126	English Grammar/Composition II .3
EN 121	English Grammar/Composition I .3	MA222	Calculus II . . . . .4
MA221	Calculus I <sup>1</sup> . . . . .4	SP 101	Fundamentals of Speech . . . . .3
	Second Teaching Field . . . . .3		Second Teaching Field . . . . .3
<b>Total Hours</b> . . . . .	<b>15</b>	<b>Total Hours</b> . . . . .	<b>15</b>

### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
MA326	Statistics . . . . .3	HI 101	History of Civilization . . . . .3
MA	Mathematics Elective <sup>1</sup> . . . . .3	MA212	Mathematics for the Secondary School . . . . .3
SE 201	General Teaching Methods . . . . .3	MA224	Discrete Mathematics . . . . .3
	Second Teaching Field . . . . .4		Second Teaching Field . . . . .4
SE 210	Secondary Education Practicum <sup>2</sup> .1	ED 211	Education Field Experience <sup>3</sup> . . . . .1
<b>Total Hours</b> . . . . .	<b>16</b>	<b>Total Hours</b> . . . . .	<b>16</b>

<sup>1</sup>If your mathematics sequence needs to start with MA 130 and/or MA 131, you may count them as mathematics electives. If you begin with MA 221 your freshman year, we recommend you take MA 321 and MA 322 for your mathematics electives. EG 341 may be taken as a mathematics elective (minimum grade of “C-”).

<sup>2</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>3</sup>Taken during summer. (See p. 19 for additional cost.)

## JUNIOR

Fall	Spring
CR 370 Origins . . . . .2	BI 370 Worldview and Apologetics . . . . .2
ED 306 Computer Applications in Education <sup>4</sup> . . . . .1	ED 322 Educational Psychology . . . . .3
MA302 College Geometry . . . . .3	MA Mathematics Elective <sup>1</sup> . . . . .3
PY 211 College Physics I . . . . .4	PY 212 College Physics II . . . . .4
SE 307 Teaching Mathematics . . . . .3	SE Teaching Methods in Second Field . . . . .3
SE 307 Teaching Mathematics . . . . .3	
Second Teaching Field . . . . .2	
<b>Total Hours</b> . . . . .15	<b>Total Hours</b> . . . . .15

## SENIOR

BI 318 Biblical Poetry <sup>5</sup> . . . . .2	BI/BB/MI/PR Bible/Bible Background/ Missions/Practical Training Elective . . . . .2
ED 301 Tests and Measurements <sup>5</sup> . . . . .1	EN 210 Introduction to Literature . . . . .3
ED 415 Adolescent Growth and Development <sup>5</sup> . . . . .3	HI 102 History of Civilization . . . . .3
ED 419 Teaching Internship Orientation <sup>5,6</sup> . . . . .1	MA Mathematics Elective <sup>1</sup> . . . . .3
SE 420 Secondary Teaching Internship <sup>5</sup> . . . . .7	MA Second Teaching Field or Elective . . . . .3
<b>Total Hours</b> . . . . .14	<b>Total Hours</b> . . . . .14

<sup>1</sup>If your mathematics sequence needs to start with MA 130 and/or MA 131, you may count them as mathematics electives. If you begin with MA 221 your freshman year, we recommend you take MA 321 and MA 322 for your mathematics electives. EG 341 may be taken as a mathematics elective (minimum grade of "C-").

<sup>4</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>5</sup>Scheduled by education department.

<sup>6</sup>Taken the Pre-term prior to SE 420. (See p. 19 for additional cost.)

## PHYSICAL EDUCATION CONCENTRATION

Training is needed in our age of physical softness to keep the body working at its optimum. Students take part in physical education classes and sports activities that promote the philosophy that whatever we do, we are to do it for the glory of God, whether it be to exemplify Christian conduct on the sports field or to be a witness for Jesus Christ.

### Academic Program Fee

\$30 per semester or 3 payments of \$10 (p. 21)

### Fitness Test

Students in this concentration, minor, or second teaching field must pass the Physical Fitness Test or take either PE 160/170 Swimming/Physical Fitness or PE 283/273 Physical Fitness (minimum grade of "C-" required).

### Extracurricular Activity Requirement

Students in this concentration, minor, or second teaching field must participate in several semesters of intercollegiate or intramural sports or an approved alternative.

# Physical Education Concentration

## Recommended Course Sequence

### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
EN 121	English Grammar/Composition I .3	ED 101	Philosophy of Christian Ed. . . . .3
HI 101	History of Civilization . . . . .3	EN 126	English Grammar/Composition II .3
MA	Mathematics Elective . . . . .3	PE 187	Spring Team Sports . . . . .2
PE 184	Fall Team Sports . . . . .2	PE 191	Sport Physiology . . . . .2
	Second Teaching Field . . . . .2	PE 196	Introduction to Coaching . . . . .1
			Second Teaching Field . . . . .3
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .16</b>	

### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
PE 243/293	Weight Training . . . . .1	ED 102	Personal and Community Health .2
PE	Coaching Elective <sup>1</sup> . . . . .2	HI 102	History of Civilization . . . . .3
SE 201	General Teaching Methods . . . . .3	PE 210	History, Principles, and Philosophy of Physical Education . . . . .2
SP 101	Fundamentals of Speech . . . . .3	PE 226	Minor Sports . . . . .2
	Second Teaching Field . . . . .4		Second Teaching Field . . . . .3
SE 210	Secondary Education Practicum <sup>2</sup> .1	ED 211	Education Field Experience <sup>3</sup> . . . . .1
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .15</b>	

### JUNIOR

BI 370	Worldview and Apologetics . . . . .2	CR 370	Origins . . . . .2
ED 306	Computer Applications in Education <sup>4</sup> . . . . .1	PE 225	First Aid . . . . .2
ED 322	Educational Psychology . . . . .3	PE 301	Organization and Administration of Physical Education . . . . .2
PE 321	Kinesiology . . . . .2	PE 368	Developing Fitness Programs . . .2
PE 324	Care of Athletic Injuries . . . . .1	PE	Coaching Elective <sup>1</sup> . . . . .2
PE	Coaching Elective <sup>1</sup> . . . . .2	SE	Teaching Methods in Second Field . . . . .3
SE 317	Teaching Physical Education . . . .3		Second Teaching Field . . . . .2
<b>Total Hours . . . . .14</b>		<b>Total Hours . . . . .15</b>	

### SENIOR

BI 318	Biblical Poetry <sup>4</sup> . . . . .2	BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .2
ED 301	Tests and Measurements <sup>4</sup> . . . . .1	CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .3
ED 415	Adolescent Growth and Development <sup>4</sup> . . . . .3	EN 210	Introduction to Literature . . . . .3
ED 419	Teaching Internship Orientation <sup>4,5</sup> . . . . .1	SC	Science Elective . . . . .3
SE 420	Secondary Teaching Internship <sup>4</sup> . .7		Second Teaching Field . . . . .4
<b>Total Hours . . . . .14</b>		<b>Total Hours . . . . .15</b>	

<sup>1</sup>May replace with EE 308 in junior or senior year

<sup>2</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>3</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>4</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>5</sup>Scheduled by education department.

<sup>6</sup>Taken the Pre-term prior to SE 420. (See p. 19 for additional cost.)

# SCIENCE CONCENTRATION

The physical world is governed by absolute laws instituted by God at creation. Students should learn the accumulated knowledge of scientific principles from the past so they may see God’s handiwork in the physical universe; then they can participate in God’s command to man in Genesis 1:28 to “*subdue [the earth]: and have dominion over . . . every living thing.*” God has ordained and commanded mankind to search out and use natural scientific laws to improve man’s existence on earth; therefore, scientific technology and research are encouraged.

## Academic Program Fee

\$85 per semester or 3 payments of \$28.33 (p. 21)

## Science Concentration

Recommended Course Sequence

### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
BY 111	General Biology I . . . . .4	BY 112	General Biology II . . . . .4
EN 121	English Grammar/Composition I . .3	ED 101	Philosophy of Christian Education . . . . .3
SP 101	Fundamentals of Speech . . . . .3	EN 126	English Grammar/Composition II .3
	Second Teaching Field . . . . .3		Second Teaching Field . . . . .3
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .15</b>	

### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
MA 130	College Algebra II <sup>1</sup> . . . . .3	BY/CH/PY/SC	Science Elective . . . . .3
SC 211	Earth and Space . . . . .3	ED 306	Computer Applications in Education <sup>3</sup> . . . . .1
SE 201	General Teaching Methods . . . . .3	MA 131	College Trigonometry . . . . .3
	Second Teaching Field . . . . .3		Second Teaching Field . . . . .6
SE 210	Secondary Education Practicum <sup>2</sup> .1	ED 211	Education Field Experience <sup>4</sup> . . . . .1
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .16</b>	

<sup>1</sup>If second field is math, student may begin with a higher-level MA course.

<sup>2</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>3</sup>Students must meet CS 101 prerequisite by credit or proficiency.

<sup>4</sup>Taken during summer. (See p. 19 for additional cost.)

## JUNIOR

Fall		Spring			
CH 111	General Chemistry I . . . . .	4	BI 370	Worldview and Apologetics . . . . .	2
CR 370	Origins . . . . .	2	CH 112	General Chemistry II . . . . .	4
HI 101	History of Civilization . . . . .	3	ED 322	Educational Psychology . . . . .	3
PY 211	College Physics I . . . . .	4	PY 212	College Physics II . . . . .	4
SE	Teaching Methods in Second Field . . . . .	3	SE 308	Teaching Science . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>	<b>Total Hours . . . . .</b>		<b>16</b>

## SENIOR

BI 318	Biblical Poetry <sup>5</sup> . . . . .	2	BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
ED 301	Tests and Measurements <sup>5</sup> . . . . .	1	EN 210	Introduction to Literature . . . . .	3
ED 415	Adolescent Growth and Development <sup>5</sup> . . . . .	3	HI 102	History of Civilization . . . . .	3
ED 419	Teaching Internship Orientation <sup>5,6</sup> . . . . .	1		Second Teaching Field or Electives . . . . .	5
SE 420	Secondary Teaching Internship <sup>5</sup> . . . . .	7	<b>Total Hours . . . . .</b>		<b>13</b>
<b>Total Hours . . . . .</b>		<b>14</b>			

<sup>5</sup>Scheduled by education department.

<sup>6</sup>Taken the Pre-term prior to SE 420. (See p. 19 for additional cost.)

## SPEECH CONCENTRATION

Students in the speech concentration acquire knowledge and skills to teach high school students to be effective oral communicators who use their speech talents and performing skills for the glory of God.

During the Teaching Internship, students teach speech classes, oversee speech club, and work with students preparing for various programs.

### Speech Repertoire

Students with a concentration or second teaching field in speech are required to enroll in SP 999 Speech Repertoire each semester they register for a private speech lesson.

### Platform Evaluation and Recital

Second-semester sophomores must pass a speech platform evaluation before being considered approved for a speech concentration. A public recital is given during the senior year.

### Production Participation

All speech education students must perform at least one role in a college play while a student at PCC. A speaking role in a dramatic production play will satisfy this requirement.

## Academic Program Fee

\$60 per semester or 3 payments of \$20 (p. 21)

## Second Teaching Field

Second-semester sophomores must pass a speech platform evaluation to be approved for a second teaching field in speech (p. 129). See Speech Repertoire above. All students with a second teaching field in speech must perform at least one role in a college play while a student at PCC. A speaking role in a dramatic production play will satisfy this requirement.

## Speech Concentration

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
EN 121	English Grammar/Composition I . . .3	ED 101	Philosophy of Christian Education . . . . .3
HI 101	History of Civilization . . . . .3	EN 126	English Grammar/Composition II .3
MA	Mathematics Elective . . . . .3	HI 102	History of Civilization . . . . .3
SP 101	Fundamentals of Speech . . . . .3	SP 102	Fundamentals of Speech . . . . .3
	Second Teaching Field . . . . .2		Second Teaching Field . . . . .2
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .16</b>	

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
SE 201	General Teaching Methods . . . . .3	EN 210	Introduction to Literature . . . . .3
SP 201	Voice and Diction . . . . .2	SP 204	Oral Interpretation of Dramatic and Narrative Literature . . . . .2
SP 203	Oral Interpretation of Poetry . . . . .2	SP 244	Stage Movement . . . . .2
SP 240	Stagecraft . . . . .3		Second Teaching Field . . . . .5
	Second Teaching Field . . . . .3	ED 211	Education Field Experience <sup>2</sup> . . . . .1
SE 210	Secondary Education Practicum <sup>1</sup> .1		
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .15</b>	

#### JUNIOR

BI 370	Worldview and Apologetics . . . . .2	CR 370	Origins . . . . .2
ED 322	Educational Psychology . . . . .3	ED 306	Computer Applications in Education <sup>3</sup> . . . . .1
SE	Teaching Methods in Second Field . . . . .3	SE 309	Teaching Speech . . . . .3
SP 304	Fundamentals of Acting . . . . .3	SP 308	Fundamentals of Dramatic Production . . . . .4
SP 307	Introduction to Dramatic Production . . . . .4	SP 332	Private Speech Lessons . . . . .1
SP 331	Private Speech Lessons . . . . .1		Second Teaching Field . . . . .3
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .14</b>	

<sup>1</sup>Taken during Interterm. (See p. 19 for additional cost.)

<sup>2</sup>Taken during summer. (See p. 19 for additional cost.)

<sup>3</sup>Students must meet CS 101 prerequisite by credit or proficiency.



SENIOR

Fall

Spring

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
SC	Science Elective . . . . .	3
SP 314	Assemblies/Productions Practicum . . . . .	3
SP 436	Private Speech/Recital (Education) . . . . .	1
	Second Teaching Field . . . . .	3
<b>Total Hours</b>		<b>15</b>

BI 318	Biblical Poetry <sup>4</sup> . . . . .	2
ED 301	Tests and Measurements <sup>4</sup> . . . . .	1
ED 415	Adolescent Growth and Development <sup>4</sup> . . . . .	3
ED 419	Teaching Internship Orientation <sup>4,5</sup> . . . . .	1
SE 420	Secondary Teaching Internship <sup>4</sup> . . . . .	7
<b>Total Hours</b>		<b>14</b>

<sup>4</sup>Scheduled by education department.

<sup>5</sup>Taken the Pre-term prior to SE 420. (See p. 19 for additional cost.)

SECOND TEACHING FIELDS

ART

AR 101	Drawing I . . . . .	3
AR 102	Drawing II . . . . .	3
AR 120	Digital Typography . . . . .	3
AR 201	Design Fundamentals I . . . . .	3
AR 203	Basic Painting I . . . . .	3
AR 204	Basic Painting II . . . . .	3
AR 220	Digital Graphics . . . . .	3
SE 316	Teaching Art . . . . .	3
<b>Total Hours Required</b>		<b>24</b>

ENGLISH

EN 251	British Literature <sup>1</sup> . . . . .	3
EN 252	American Literature . . . . .	3
EN 301	Creative Writing . . . . .	3
EN 315	Shakespeare . . . . .	3
EN 360	Advanced English Grammar and Composition . . . . .	3
EN 362	History and Trends of the English Language . . . . .	3
EN	Literature Elective (300- or 400-level) <sup>2</sup> . . . . .	3
SE 304	Teaching English . . . . .	3
SE 321	Teaching Reading Skills for the Secondary Student . . . . .	2
<b>Total Hours Required</b>		<b>23</b>

<sup>1</sup>Will replace EN 210 listed in the concentration.

<sup>2</sup>May take EN 291 in place of literature elective.

HISTORY

HI 201-2	United States History . . . . .	6
HI 211	World Geography . . . . .	3
HI	History Elective (300- or 400-level) . . . . .	3
PL 207	Introduction to Political Science . . . . .	3
PL 304	American Government . . . . .	3
SE 306	Teaching History . . . . .	3
SE 321	Teaching Reading Skills for the Secondary Student . . . . .	2
<b>Total Hours Required</b>		<b>23</b>

MATHEMATICS

MA212	Mathematics for the Sec. School . . . . .	3
MA221-22	Calculus I, II . . . . .	8
MA224	Discrete Mathematics . . . . .	3
MA302	College Geometry . . . . .	3
PY 211	College Physics I . . . . .	4
SE 307	Teaching Mathematics . . . . .	3
<b>Total Hours Required</b>		<b>24</b>

MUSIC<sup>1</sup>

ED 351	Teaching Elementary Music . . . . .	2
MU101-2	Music Theory I, II . . . . .	8
MU226	Choral Methods . . . . .	2
MU	Proficiency Materials & Methods . . . . .	2
131-332	Private Lessons <sup>2</sup> . . . . .	6
	Ensemble/Hymnplaying <sup>3</sup> . . . . .	2
<b>Total Hours Required</b>		<b>22</b>

<sup>1</sup>Second teaching field requirements (p. 116)

<sup>2</sup>Voice = VO 121/122, VO 231-332

<sup>3</sup>Voice/Instrumental = Ensemble,  
Piano = Hymnplaying

**PHYSICAL EDUCATION\***

PE 184 Fall Team Sports . . . . . 2  
 PE 187 Spring Team Sports . . . . . 2  
 PE 191 Sport Physiology . . . . . 2  
 PE 196 Introduction to Coaching . . . . . 1  
 PE 225 First Aid . . . . . 2  
 PE 301 Organization and Administration  
     of Physical Education . . . . . 2  
 PE 321 Kinesiology . . . . . 2  
 PE 324 Care of Athletic Injuries . . . . . 1  
 PE Coaching Electives . . . . . 4  
 SE 317 Teaching Physical Education . . . . . 3  
**Total Hours Required. . . . . 21**

\*Second teaching field requirements (p. 123)

**SCIENCE**

BY 111–12 General Biology I, II . . . . . 8  
 CH 111–12 General Chemistry I, II . . . . . 8  
 SC 211 Earth and Space . . . . . 3  
 SC 212 Physical Science . . . . . 3  
 SE 308 Teaching Science . . . . . 3  
**Total Hours Required. . . . . 25**

**SPANISH**

ML 221–22 Intermediate Spanish I, II\* . . . . . 6  
 ML 321–22 Spanish Conversation and  
     Composition . . . . . 6  
 ML 421–22 Advanced Spanish Grammar  
     and Composition . . . . . 6  
 SE 305 Teaching Spanish . . . . . 3  
**Total Hours Required. . . . . 21**

\*Students whose level of proficiency in Spanish does not allow them to enter ML 221 may enroll in ML 121–122. These six hours will not count toward this teaching field.

**SPEECH\***

SE 309 Teaching Speech . . . . . 3  
 SP 102 Fundamentals of Speech . . . . . 3  
 SP 201 Voice and Diction . . . . . 2  
 SP 203 Oral Interpretation of Poetry . . . . . 2  
 SP 204 Oral Interpretation of Dramatic  
     and Narrative Literature . . . . . 2  
 SP 240 Stagecraft . . . . . 3  
 SP 244 Stage Movement . . . . . 2  
 SP 307 Intro. to Dramatic Production . . . . . 4  
 SP 314 Assemblies/Productions  
     Practicum . . . . . 3  
 SP 331 Private Speech Lessons . . . . . 1  
**Total Hours Required. . . . . 25**

\*Second teaching field requirements (p. 127)

**TECHNOLOGY EDUCATION**

BA 330 Computer Applications for  
     Business . . . . . 3  
 CS 101 Introduction to Computer  
     Applications . . . . . 1  
 CS 202 Introduction to Programming . . . . . 3  
 CS 211 Introduction to Web Design . . . . . 3  
 CS 405 Computer Hardware  
     Maintenance . . . . . 3  
 OA 101 Beginning Keyboarding . . . . . 3  
 OA 201 Intermediate Keyboarding . . . . . 4  
 OA 411 Desktop Publishing . . . . . 3  
 SE 313 Teaching Technology . . . . . 3  
**Total Hours Required. . . . . 26**

# DIVISION OF VISUAL AND PERFORMING ARTS

The purpose of this division is to equip students to share Christ through the visual arts, music, or dramatic performance. Built upon a biblical foundation of the arts, this division trains students to be proficient in their creative discipline.

This division comprises the **visual arts** and **performing arts departments** of Pensacola Christian College, which both offer undergraduate and graduate degrees.

131-136 Visual Arts Department

137-146 Performing Arts Department



**Dr. Amy Bombard**  
Dean of Visual and Performing Arts



# VISUAL ARTS DEPARTMENT

*Division of Visual and Performing Arts*

Mr. Greg Hewitt, Chair

## Undergraduate Degrees

### Bachelor of Science

#### 132 Visual Arts Major

Concentrations:

133 Graphic Design

135 Studio Art

#### 204–205, 207 Minors

Digital Media, Graphic Design,  
Studio Art

#### 75 Missions Broad Fields

Art, Digital Media, Graphic Design

#### 128 Second Teaching Field

Art

#### 60 Youth Ministries Emphasis

Digital Media

## Graduate Degrees

(See Seminary & Graduate Studies Catalog.)

### Master of Arts

Graphic Design

Studio Art

### Master of Fine Arts

Graphic Design

Studio Art



The **visual arts department** provides opportunities for students to learn how to communicate clearly. With an emphasis on traditional principles of art and design, students gain knowledge and skill in both studio art and graphic design. The visual arts program begins with foundational concepts and techniques which are continually built upon to allow students to succeed creatively and conceptually in future careers. Practical, biblically integrated programs prepare students to be Christ-honoring artists in graduate school, in the workforce, or in ministry.

## VISUAL ARTS MAJOR BACHELOR OF SCIENCE DEGREE

**The purpose of the visual arts major** is to produce Christian artists who effectively communicate through art and design.

**Learning Outcomes:** Graduates of the visual arts program will be able to

- articulate a distinctly Christian-traditional philosophy of art,
- recognize historical trends in artistic theory and practice,
- demonstrate technical proficiency in the use of appropriate media,
- develop visual compositions using traditional design principles,
- create visual works that communicate a clear message,
- use professional research and development processes to solve visual problems, and
- exhibit professional skills and behaviors necessary to compete in their chosen field of art and design.

*(Additional learning outcomes are listed for each concentration.)*



## GRAPHIC DESIGN CONCENTRATION

**The purpose of the graphic design concentration** is to produce Christian designers who are able to effectively communicate in the areas of graphic design, publishing design, interactive design, and advertising design.

**Additional Learning Outcome:** Graduates of the graphic design concentration will also be able to develop a body of work demonstrating strength in the areas of typography, layout, and visual problem solving in a variety of media sufficient for pursuing professional opportunities in the visual communication field.

The graphic design concentration provides a solid foundation in drawing, design, form, color, and composition upon which students can create and produce clear visual messages. Effective use of typography and design in digital and traditional media is emphasized, along with disciplined thinking, hard work, and business integrity. Digital media may not be claimed as a minor.

### **Art Display**

Seniors must present a graphic design portfolio exhibit.

### **Technology Requirements**

Students enrolled in 300- or 400-level art courses are required to own a personal laptop for use in class. An Adobe Creative Cloud subscription is also required. Laptop specifications must meet minimum Adobe Creative Cloud system requirements.

### **Academic Program Fee**

\$140 per semester or 3 payments of \$46.67 (p. 21)

### **Missions Broad Field**

Graphic design (p. 75, portfolio exhibit not required)

# Graphic Design Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

AR 111	Principles of Drawing	3
AR 120	Digital Typography	3
AR 201	Design Fundamentals I	3
BI 105	Old Testament Introduction	2
EN 121	English Grammar/Composition I	3
<b>Total Hours</b>		<b>14</b>

#### Spring

AR 202	Design Fundamentals II	3
AR 220	Digital Graphics	3
BI 205	New Testament Introduction	2
EN 126	English Grammar/Composition II	3
SP 101	Fundamentals of Speech	3
<b>Total Hours</b>		<b>14</b>

### SOPHOMORE

AR 227	History of Art	3
AR 250	Intro. to Digital Illustration	3
AR 254	3-D Design Fundamentals	3
AR 267	Graphic Design I	3
BI 321	Bible Doctrines	2
<b>Total Hours</b>		<b>14</b>

AR 218	Photography I	3
AR 228	History of Art	3
AR 268	Graphic Design II	3
BI 322	Bible Doctrines	2
HI 101	History of Civilization	3
<b>Total Hours</b>		<b>14</b>

### JUNIOR

AR 323	Principles of Digital Multimedia Technology	3
AR 325	Publication Design	3
BI 370	Worldview and Apologetics	2
CS 211	Introduction to Web Design	3
HI 102	History of Civilization	3
MA	Mathematics Elective	3
<b>Total Hours</b>		<b>17</b>

AR 310	Calligraphy	1
AR 324	Digital Multimedia Production	3
AR 326	Publication Practicum	3
AR 348	History of Illustration and Graphic Design	3
AR 402	Web Design I	3
CR 370	Origins	2
AR 346	Graphic Design Internship*	3
<b>Total Hours</b>		<b>18</b>

### SENIOR

AR 403	Web Design II	3
AR 420	Advertising Design I	3
AR 440	Portfolio	3
BI	Bible Elective	2
	Minor or Electives	4
<b>Total Hours</b>		<b>15</b>

AR 421	Advertising Design II	3
AR 450	Directed Studio	3
AR 498	Senior Graphic Design Portfolio Exhibit	0
BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective	2
EN 210	Introduction to Literature	3
SC	Science Elective	3
<b>Total Hours</b>		<b>14</b>

\*Interterm, Post-term, or summer at an approved off-campus site. (See p. 19 for additional cost.)

## STUDIO ART CONCENTRATION

**The purpose of the studio art concentration** is to produce Christian artists who are able to effectively communicate in the areas of studio art and illustration.

**Additional Learning Outcome:** Graduates of the studio art concentration will also be able to develop a body of work demonstrating strength in representational drawing and painting and visual storytelling in a variety of media sufficient for pursuing professional opportunities in studio art and illustration.

The studio art concentration begins with basic drawing and design principles. Students develop advanced skills in drawing, painting, and digital illustration under the direction of skilled artists. The goal of our department is for students to develop the ability to provide professional workmanship and convey biblical principles in both their life and in their art. Students complete a minor in graphic design through their required graphic design support courses.

### **Art Display**

Seniors must present a studio art portfolio exhibit.

### **Technology Requirements**

Students enrolled in 300- or 400-level art courses are required to own a personal laptop for use in class. An Adobe Creative Cloud subscription is also required. Laptop specifications must meet minimum Adobe Creative Cloud system requirements.

### **Academic Program Fee**

\$100 per semester or 3 payments of \$33.33 (p. 21)

### **Second Teaching Field**

Art (p. 128, portfolio exhibit not required)

### **Missions Broad Field**

Art (p. 75, portfolio exhibit not required)



## Studio Art Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

AR 101	Drawing I	3
AR 201	Design Fundamentals I	3
BI 105	Old Testament Introduction	2
EN 121	English Grammar/Composition I	3
HI 101	History of Civilization	3
<b>Total Hours</b>		<b>14</b>

##### Spring

AR 102	Drawing II	3
AR 202	Design Fundamentals II	3
BI 205	New Testament Introduction	2
EN 126	English Grammar/Composition II	3
HI 102	History of Civilization	3
<b>Total Hours</b>		<b>14</b>

#### SOPHOMORE

AR 120	Digital Typography	3
AR 203	Basic Painting I	3
AR 227	History of Art	3
AR 303	Advanced Drawing	3
BI 321	Bible Doctrines	2
SP 101	Fundamentals of Speech	3
<b>Total Hours</b>		<b>17</b>

AR 204	Basic Painting II	3
AR 220	Digital Graphics	3
AR 228	History of Art	3
AR 250	Intro. to Digital Illustration	3
AR 254	3-D Design Fundamentals	3
BI 322	Bible Doctrines	2
<b>Total Hours</b>		<b>17</b>

#### JUNIOR

AR 218	Photography I	3
AR 267	Graphic Design I	3
AR 321	Illustration I	3
CR 370	Origins	2
MA	Mathematics Elective	3
<b>Total Hours</b>		<b>14</b>

AR 268	Graphic Design II	3
AR 304	Advanced Painting	3
AR 322	Illustration II	3
AR 336	Studio Art Internship*	3
AR 348	History of Illustration and Graphic Design	3
BI 370	Worldview and Apologetics	2
<b>Total Hours</b>		<b>17</b>

#### SENIOR

AR 308	Photography II	3
AR 310	Calligraphy	1
AR 440	Portfolio	3
BI	Bible Elective	2
EN 210	Introduction to Literature Minor or Elective	2
<b>Total Hours</b>		<b>14</b>

AR 326	Publication Practicum	3
AR 451	Directed Studio	3
AR 499	Senior Studio Art Portfolio Exhibit	0
BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective	2
SC	Science Elective Minor or Elective	2
<b>Total Hours</b>		<b>13</b>

\*Interterm, Post-term, or summer at an approved off-campus site. (See p. 19 for additional cost.)

# PERFORMING ARTS DEPARTMENT

*Division of Visual and Performing Arts*  
Mr. Scott Roberts, Chair

## Undergraduate Degrees

### Bachelor of Arts

#### 138 Music Major

*with Instrumental, Keyboard, and  
Vocal Emphases*

#### 144 Performance Studies Major

#### 205–206 Minors

Music, Performance Studies

#### 75–76 Missions Broad Fields

Music, Speech

#### 111, 126, 128–129 Teaching Fields

Music, Speech

#### 60 Youth Ministries Emphases

Church Music, Speech

## Graduate Degrees

(See Seminary & Graduate Studies Catalog.)

### Master of Arts

*Music with Conducting, Instrumental,  
Keyboard, and Vocal Proficiencies*

### Master of Fine Arts

Dramatics



The **performing arts department** provides opportunities for students to learn how to communicate effectively through music and dramatic performance. Practical, biblically integrated programs prepare students for both graduate school and job opportunities in Christian organizations and secular businesses. Speech training enhances any area of study by developing responsible oral communication skills and increasing one's overall possibility of success. Therefore, all students take at least one semester of speech.

## MUSIC MAJOR BACHELOR OF ARTS DEGREE

**The purpose of the music major** is to equip students with a comprehensive approach to technique, musicianship, and communication to honor the Lord through music.

**Learning Outcomes:** Graduates of the music program will be able to

- communicate concisely and effectively about music in oral and written forms reflecting a biblical worldview;
- produce public music performances showing appropriate proficiency;
- demonstrate a working knowledge of harmonic principles, form and analysis, and aural skills; and
- employ pedagogical techniques for music students of various levels.

Training tomorrow's music teachers, church musicians, and performers, Pensacola Christian College offers a distinctively Christian education in music. Students will gain practical knowledge, personal instruction, and experience in all areas of music.

Music students at PCC participate in a variety of performances, including solo recitals, chamber groups, choral ensembles, handbells, band, and orchestra. There are also numerous opportunities for individual ministry and performance in Sunday schools, church, Sunday Reflections, and music repertoire classes.

Fine Arts Series programs provide students with rich listening experiences from world-class musicians. Students also have opportunities to improve their skills through master classes by guest artists. Our faculty members are active musicians who are also committed to helping students strive for excellence.

Throughout the program, students are taught a Christ-centered philosophy of music by our talented and caring faculty who are committed to providing academic and artistic training necessary for success. With this well-rounded education, graduates of the music program are prepared for graduate studies and many career opportunities in ministry, academics, and performance venues.

### Emphases

Students must demonstrate sufficient talent and ability to pursue music courses. They must also demonstrate appropriate ability via freshman evaluation, platform, and recital in one area of applied music and must take instruction in this field every semester. This emphasis may be voice, keyboard, or one of the standard band or orchestral instruments.

While all students study both classical and sacred selections each semester, music majors may choose to focus on church music or classical music for their private lessons.

### Music Repertoire

Students with a major or minor in music must enroll in Music Repertoire each semester they enroll in private lessons as follows:

**Majors:** after passing two lessons

**Minors:** after passing sophomore music platform

### Secondary Piano Examination

Students with a vocal or instrumental emphasis must have secondary skill in piano and must pass the secondary piano examination or pass PI 211–212.

### Platform Evaluation and Recital

Second-semester sophomores must successfully complete a sophomore music platform in their emphasis to be approved for a major in music. A public recital is given during the senior year.

### Ensemble Participation

All music majors must participate in one performing ensemble every semester, including their last 4 semesters. Music minors must participate in a performing ensemble 4 to 6 hours, including their last 4 semesters. Performing ensembles that meet requirements for each emphasis are as follows:

**Instrumental:** Orchestra

**Keyboard:** Accompaniment Practicum, Chamber Ensemble,  
Handbell Choir, Orchestra, Proclaim Ministry Team (Music),  
Symphonic Band, Symphonic Choir

**Vocal:** Chamber Ensemble, Symphonic Choir

### **Academic Program Fee**

\$45 per semester or 3 payments of \$15 (instrumental emphasis is \$50 per semester or 3 payments of \$16.67). Students taking music lessons and group instruction must pay appropriate music course fees (p. 21).

### **Music Minor**

Requirements are on page 205. Music minors must demonstrate appropriate ability in one area of applied music and will take instruction in this area for 6 semesters. Second-semester sophomores must successfully complete a sophomore music platform in their emphasis area to be approved for a minor in music. See Music Repertoire and Ensemble Participation requirements above.

### **Music Education**

Major (pp. 111–115); second teaching field (p. 128)



## Music Major with Instrumental Emphasis

### Recommended Course Sequence

#### FRESHMAN

Fall	Spring
BI 105 Old Testament Introduction . . . . .2	BI 205 New Testament Introduction . . . . .2
EN 121 English Grammar/Composition I . . .3	EN 126 English Grammar/Composition II . .3
MU101 Music Theory I . . . . .4	MA Mathematics Elective . . . . .3
SP 101 Fundamentals of Speech . . . . .3	MU102 Music Theory II . . . . .4
ST 141 Orchestra . . . . .1	ST 142 Orchestra . . . . .1
ST 201 Strings Instruction I . . . . .1	ST 202 Strings Instruction II . . . . .1
Private Instrument . . . . .1	Private Instrument . . . . .1
<b>Total Hours . . . . .15</b>	<b>Total Hours . . . . .15</b>

#### SOPHOMORE

BI 321 Bible Doctrines . . . . .2	BI 322 Bible Doctrines . . . . .2
MU201 Music Theory III . . . . .4	MU202 Music Theory IV . . . . .4
MU220 Intro. to Music Technology . . . . .3	MU337 Instrumental Church Music Arranging . . . . .2
MU226 Choral Methods . . . . .2	PI 212 Secondary Piano . . . . .1
PI 211 Secondary Piano . . . . .1	ST 242 Orchestra . . . . .1
ST 241 Orchestra . . . . .1	ST 302 Strings Instruction IV . . . . .1
ST 301 Strings Instruction III . . . . .1	Private Instrument . . . . .1
Private Instrument . . . . .1	Minor or Elective . . . . .2
<b>Total Hours . . . . .15</b>	<b>Total Hours . . . . .14</b>

#### JUNIOR

CR 370 Origins . . . . .2	BI 370 Worldview and Apologetics . . . . .2
HI 101 History of Civilization . . . . .3	HI 102 History of Civilization . . . . .3
MU301 History of Music . . . . .3	MU302 History of Music . . . . .3
MU315 Elements of Conducting . . . . .2	MU310 Choral Writing and Arranging . . . .2
MU441/447 Survey of Instrumental/ String Literature . . . . .3	MU329 Advanced Music Theory . . . . .2
ST 341 Orchestra . . . . .1	MU401 Counterpoint . . . . .2
Private Instrument . . . . .1	ST 342 Orchestra . . . . .1
<b>Total Hours . . . . .15</b>	Private Instrument . . . . .1
	<b>Total Hours . . . . .16</b>

#### SENIOR

BI Bible Elective . . . . .2	BI/BB/MI/PR Bible/Bible Background/ Missions/Practical Training Elective . . . . .2
ML Modern Language* . . . . .3	EN 210 Introduction to Literature . . . . .3
MU121 Vocal Class I . . . . .1	ML Modern Language* . . . . .3
MU402 Church Music Philosophy and Administration . . . . .2	MU231 Piano Accompaniment . . . . .1
SC Science Elective . . . . .3	MU312 Instrumental Materials/Methods . .2
ST 441 Orchestra . . . . .1	MU418 Orchestration . . . . .2
Private Instrument . . . . .1	ST 442 Orchestra . . . . .1
Minor or Elective . . . . .2	Private Instrument/Recital . . . . .1
<b>Total Hours . . . . .15</b>	<b>Total Hours . . . . .15</b>

\*All hours of required foreign language need to be earned in the same language. Latin may not be taken to satisfy language requirements.

**Music Major with Keyboard Emphasis**

## Recommended Course Sequence

**FRESHMAN****Fall**

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I. . . . .	3
MU101	Music Theory I. . . . .	4
MU121	Vocal Class I. . . . .	1
PI 121	Private Piano . . . . .	1
SP 101	Fundamentals of Speech . . . . .	3
	Ensemble. . . . .	1
	Minor or Elective. . . . .	1

**Total Hours . . . . . 16****Spring**

BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II. . . . .	3
MA	Mathematics Elective . . . . .	3
MU 102	Music Theory II . . . . .	4
PI 122	Private Piano . . . . .	1
	Ensemble. . . . .	1

**Total Hours . . . . . 14****SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
MU201	Music Theory III. . . . .	4
MU220	Intro. to Music Technology. . . . .	3
MU233	Hymn Keyboard Skills I . . . . .	2
PI 221	Private Piano . . . . .	1
ST 201	Strings Instruction I . . . . .	1
	Ensemble. . . . .	1

**Total Hours . . . . . 14**

BI 322	Bible Doctrines . . . . .	2
HI 101	History of Civilization . . . . .	3
MU202	Music Theory IV. . . . .	4
MU230	Piano Accompanying . . . . .	1
MU234	Hymn Keyboard Skills II. . . . .	2
PI 222	Private Piano . . . . .	1
ST 202	Strings Instruction II . . . . .	1
	Ensemble. . . . .	1

**Total Hours . . . . . 15****JUNIOR**

CR 370	Origins . . . . .	2
HI 102	History of Civilization . . . . .	3
MU226	Choral Methods . . . . .	2
MU301	History of Music . . . . .	3
MU443	Survey of Piano Literature. . . . .	3
PI 151	Accompaniment Practicum . . . . .	1
PI 321	Private Piano . . . . .	1
ST 301	Strings Instruction III . . . . .	1

**Total Hours . . . . . 16**

BI 370	Worldview and Apologetics. . . . .	2
MU302	History of Music . . . . .	3
MU310	Choral Writing and Arranging . . . . .	2
MU329	Advanced Music Theory. . . . .	2
MU401	Counterpoint . . . . .	2
MU418	Orchestration. . . . .	2
PI 152	Accompaniment Practicum . . . . .	1
PI 322	Private Piano . . . . .	1
ST 302	Strings Instruction IV . . . . .	1

**Total Hours . . . . . 16****SENIOR**

BI	Bible Elective. . . . .	2
EN 210	Introduction to Literature. . . . .	3
ML	Modern Language* . . . . .	3
MU335	Piano Materials and Methods . . . . .	2
MU402	Church Music Philosophy and Administration. . . . .	2
OR 131	Private Organ . . . . .	1
PI 421	Private Piano . . . . .	1
	Ensemble. . . . .	1

**Total Hours . . . . . 15**

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective. . . . .	2
ML	Modern Language* . . . . .	3
MU336	Piano Materials and Methods . . . . .	2
MU484	Private Piano/Recital. . . . .	1
SC	Science Elective . . . . .	3
	Ensemble. . . . .	1
	Minor or Elective. . . . .	2

**Total Hours . . . . . 14**

\*All hours of required foreign language need to be earned in the same language. Latin may not be taken to satisfy language requirements.

# Music Major with Vocal Emphasis

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction	2
EN 121	English Grammar/Composition I	3
MU101	Music Theory I	4
SP 101	Fundamentals of Speech	3
ST 201	Strings Instruction I	1
VO 121	Vocal Instruction	1
	Ensemble	1

**Total Hours** ..... 15

#### Spring

BI 205	New Testament Introduction	2
EN 126	English Grammar/Composition II	3
MA	Mathematics Elective	3
MU102	Music Theory II	4
ST 202	Strings Instruction II	1
VO 122	Vocal Instruction	1
	Ensemble	1

**Total Hours** ..... 15

### SOPHOMORE

BI 321	Bible Doctrines	2
ML	Modern Language*	3
MU201	Music Theory III	4
MU214	Principles of Lyric Diction	3
ST 301	Strings Instruction III	1
VO 221	Private Voice	1
	Ensemble	1

**Total Hours** ..... 15

BI 322	Bible Doctrines	2
ML	Modern Language*	3
MU202	Music Theory IV	4
MU220	Intro. to Music Technology	3
MU313	Communication in Song	1
ST 302	Strings Instruction IV	1
VO 222	Private Voice	1
	Ensemble	1

**Total Hours** ..... 16

### JUNIOR

CR 370	Origins	2
HI 101	History of Civilization	3
MU301	History of Music	3
MU327	Voice Materials and Methods	2
MU445	Survey of Song Literature	3
PI 211	Secondary Piano	1
VO 321	Private Voice	1
	Ensemble	1

**Total Hours** ..... 16

BI 370	Worldview and Apologetics	2
HI 102	History of Civilization	3
MU226	Choral Methods	2
MU302	History of Music	3
MU329	Advanced Music Theory	2
PI 212	Secondary Piano	1
VO 322	Private Voice	1
	Ensemble	1

**Total Hours** ..... 15

### SENIOR

BI	Bible Elective	2
EN 210	Introduction to Literature	3
MU310	Choral Writing and Arranging	2
MU402	Church Music Philosophy and Administration	2
VO 421	Private Voice	1
	Ensemble	1
	Minor or Elective	3

**Total Hours** ..... 14

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective	2
MU231	Piano Accompaniment	1
MU418	Orchestration	2
MU486	Private Voice/Recital	1
SC	Science Elective	3
	Ensemble	1
	Minor or Electives	4

**Total Hours** ..... 14

\*All hours of required foreign language need to be earned in the same language. Latin may not be taken to satisfy language requirements.



## PERFORMANCE STUDIES MAJOR

### BACHELOR OF ARTS DEGREE

**The purpose of the performance studies major** is to train students to effectively communicate with an audience as a Christian performer.

**Learning Outcomes:** Graduates of the performance studies program will be able to

- develop a repertoire that reflects a biblical worldview of dramatic performance;
- incorporate credible research and analysis in platform presentations;
- interpret literature, communicating with textual integrity, intellectual understanding, emotional sensitivity, and vivid characterizations;
- demonstrate a control of vocal technique and nonverbal communication; and
- stage platform presentations which are aesthetically pleasing.

The performance studies major prepares students for fields in which innovative communication is key. Special emphasis is given to training students to meet the artistic needs of Christian ministries. Extending beyond the theater, performers engage and motivate audiences through verbal and nonverbal communication.

PCC's performance studies program prepares for this vital and energetic career by cultivating students' abilities in dramatic presentation, public speaking, and stage productions. This program emphasizes the creative and logical development applicable for solo, dramatic, and informative performance. In preparation for a solo senior recital, students also learn characterization, narration, and vocal technique. Students will gain experience through involvement in major stage productions in the Dale Horton Auditorium, dramatic productions in the Experimental Theater, and Sunday Reflections programs.

With this creative yet practical degree, students can choose from a variety of career options such as performance, education, ministry, and public relations or enter graduate school to specialize in a chosen field.

#### **Speech Repertoire**

Students enrolled in performance studio are required to enroll in SP 999 Speech Repertoire.

### **Platform Evaluation and Recital**

Second-semester sophomores must successfully complete a speech platform to be approved for a major in performance studies. A public recital is given during the senior year.

### **Production Participation**

Students must perform at least one role in a college play. A speaking role in a dramatic production play will satisfy this requirement.

### **Academic Program Fee**

\$40 per semester or 3 payments of \$13.33 (p. 21)

### **Minor**

Requirements are on page 206. Second-semester sophomores must successfully complete a speech platform to continue as a performance studies minor. Students must enroll in Speech Repertoire each semester they enroll in performance studio.

### **Missions Broad Field**

Speech (p. 76, platform evaluation and recital not required)

### **Speech Education**

Concentration (p. 126); second teaching field (p. 129)



# Performance Studies Major

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I. . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 14**

#### Spring

BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
SP 102	Fundamentals of Speech . . . . .	3
SP 151	Philosophy of Christian Performance . . . . .	3

**Total Hours . . . . . 14**

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
BL/ML	Foreign Language <sup>1</sup> . . . . .	3
SP 201	Voice and Diction . . . . .	2
SP 203	Oral Interpretation of Poetry . . . . .	2
SP 240	Stagecraft . . . . .	3
	Minor or Elective. . . . .	2

**Total Hours . . . . . 14**

BI 322	Bible Doctrines . . . . .	2
BL/ML	Foreign Language <sup>1</sup> . . . . .	3
EN 210	Introduction to Literature. . . . .	3
SP 202	Voice and Communication . . . . .	2
SP 204	Oral Interpretation of Dramatic and Narrative Literature . . . . .	2
SP 244	Stage Movement . . . . .	2

**Total Hours . . . . . 14**

### JUNIOR

BI 370	Worldview and Apologetics. . . . .	2
SC	Science Elective . . . . .	3
SP 304	Fundamentals of Acting . . . . .	3
SP 307	Introduction to Dramatic Production . . . . .	4
SP 341	Performance Studio . . . . .	1
SP 447	Dramatic Literature in Performance . . . . .	3

**Total Hours . . . . . 16**

CR 370	Origins. . . . .	2
SP 250	Public Speaking . . . . .	3
SP 308	Fundamentals of Dramatic Production . . . . .	4
SP 342	Performance Studio . . . . .	1
SP 400	Scriptwriting . . . . .	3
	Minor or Elective. . . . .	3

**Total Hours . . . . . 16**

### SENIOR

BI	Bible Elective. . . . .	2
EN 418	World Drama . . . . .	3
SP 402	Advanced Interpretation . . . . .	3
SP 441	Performance Studio . . . . .	1
	Social Science Elective <sup>2</sup> . . . . .	3
	Minor or Electives. . . . .	4

**Total Hours . . . . . 16**

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective. . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective. . . . .	3
ED 430	Instructional Methods . . . . .	2
SP 312	Debate . . . . .	3
SP 435	Solo Performance Recital . . . . .	1
	Minor or Electives. . . . .	5

**Total Hours . . . . . 16**

<sup>1</sup>All hours of required foreign language need to be earned in the same language.

<sup>2</sup>Elective courses (p. 53)

# DIVISION OF ARTS AND SCIENCES

The purpose of this division is to provide a traditional liberal arts education that prepares students to function as Christian professionals in a variety of career settings in their chosen field of study.

This division comprises the **engineering and computer science, humanities, natural sciences, and nursing departments** of Pensacola Christian College, each of which offers undergraduate degrees. The nursing department also offers a graduate degree.

148–161 Engineering and Computer Science  
Department

162–180 Humanities Department

181–196 Natural Sciences Department

197–202 Nursing Department



**Dr. Denise McCollim**  
Dean of Arts and Sciences



# ENGINEERING AND COMPUTER SCIENCE DEPARTMENT

*Division of Arts and Sciences*

Dr. Michael Geary, Chair

## Undergraduate Degrees

### Bachelor of Science

#### 149 Computing Major

Concentrations:

**150** Computer Science

**152** Cybersecurity

**154** Information Technology

#### 156 Engineering Major

Concentrations:

**158** Electrical

**160** Mechanical

### 204, 207 Minors

Computer Science,  
Web Development

### 75 Missions Broad Field

Computer Science



The **engineering and computer science department** is dedicated to providing the building blocks of a solid technical education that integrates specialized knowledge and skills with a Christian philosophy. While a firm theoretical foundation is laid, a strong emphasis is placed on practicality and application of design and development principles in preparation for future employment, intellectual growth, and Christian service opportunities.

## COMPUTING MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the computing major** is to train students to be successful in today's digital workplace. The major's foundation on software development enables students to learn problem solving and critical thinking skills, while also providing students with practical experience using various development techniques, tools, and computing systems.

**Program Educational Objectives:** Within the first five years after graduation, our computing alumni are expected to make measurable contributions in the following spiritual and professional objectives:

- **Entry-Level Employment**—apply computer knowledge, professional ethics, and Christian principles in the workplace;
- **Christian Ministry**—support a local church and other Christian ministries;
- **Leadership**—demonstrate Christian leadership through career, church, or community opportunities; and
- **Lifelong Learning**—advance intellectually through activities such as continuing education or industry certification.

**Learning Outcomes:** Graduates of the computing program will demonstrate the following outcomes:

- **Problem Solving**—analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions;
- **Technical Skill**—design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline;
- **Communication**—communicate effectively in a variety of professional contexts;

- **Ethics**—recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles; and
- **Teamwork**—function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline.

*(Additional learning outcomes are listed for each concentration.)*

## COMPUTER SCIENCE CONCENTRATION

**The purpose of the computer science concentration** is to prepare students to design and develop software systems and computing solutions which solve real-world problems within a team environment. Students are also trained to apply formal software development practices as well as to pursue continued learning to maintain currency and relevance in today’s increasing technological society.

**Additional Learning Outcome:** Graduates of the computer science concentration will also demonstrate the following outcome:

- **Theory**—apply computer science theory and software development fundamentals to produce computing-based solutions.

The ubiquitous nature of computing technology has integrated into every area of people’s lives today. And even though this technology is often seamless and simple, the reality is that this application of technology behind the scenes is larger and more complex than it appears. This requires individuals trained to operate in such environments. The computer science concentration provides study into both the theory and practice of computer science with an emphasis on formal development of large software applications. In addition, this concentration prepares students planning to enter a graduate program in computer science. Computer science or mathematics may not be claimed as a minor.

### High School Preparation

Recommended high school preparation for a computer science concentration is two units of algebra and one unit of advanced mathematics (trigonometry, geometry, or precalculus). Opportunities are available to make up this deficiency. In this case, time required to complete a computer science concentration could be expected to increase.

### Academic Program Fee

\$140 per semester or 3 payments of \$46.67 (p. 21)

# Computer Science Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
CS 130	Introduction to Information Technology . . . . .	2
CS 202	Introduction to Programming . . . . .	3
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 16**

#### Spring

BI 205	New Testament Introduction . . . . .	2
CS 214	C Programming . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
MA221	Calculus I . . . . .	4

**Total Hours . . . . . 15**

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
CS 227	Data Structures and Algorithms . . . . .	3
CS 271	Computer Security . . . . .	3
CS 344	Networks I . . . . .	3
EN 210	Introduction to Literature . . . . .	3
MA326	Statistics . . . . .	3

**Total Hours . . . . . 17**

BI 322	Bible Doctrines . . . . .	2
CS 246	Object-Oriented Programming and Design . . . . .	3
CS 346	Networks II . . . . .	3
MA224	Discrete Mathematics . . . . .	3
MA	Mathematics Elective (222 or higher) . . . . .	3

**Total Hours . . . . . 14**

### JUNIOR

CR 370	Origins . . . . .	2
CS 303	Database I . . . . .	3
CS 321	Assembler Language Programming . . . . .	3
CS 351	Software Engineering I . . . . .	3
CS 431	Topics in Computation . . . . .	3

**Total Hours . . . . . 14**

BI 370	Worldview and Apologetics . . . . .	2
CS 326	Operating Systems . . . . .	3
CS 352	Software Engineering II . . . . .	3
CS 432	Computer Architecture . . . . .	3
CS 442	Programming Languages . . . . .	3

**Total Hours . . . . . 14**

### SENIOR

BA 403	Business Communications . . . . .	3
BI	Bible Elective . . . . .	2
CS 451	Software Engineering Project I . . . . .	3
MA241	Applied Linear Algebra . . . . .	3
PY 211	College Physics I* . . . . .	4

**Total Hours . . . . . 15**

CS 401	Computer Science Seminar . . . . .	1
CS 452	Software Engineering Project II . . . . .	3
PR 411	Biblical Ethics . . . . .	3
PY 212	College Physics II* . . . . .	4
SP 410	Oral Communication in the Professions . . . . .	2
	Minor or Elective . . . . .	2

**Total Hours . . . . . 15**

\*May take PY 231–232 in place of PY 211–212.



## CYBERSECURITY CONCENTRATION

**The purpose of the cybersecurity concentration** is to prepare students to develop, operate, and secure computing systems capable of operating within today's complex digital world and its continual evolution of cyber threats. Students are trained to solve problems logically and apply tools and techniques to combat various types of potential security threats.

**Additional Learning Outcomes:** Graduates of the cybersecurity concentration will also demonstrate the following outcomes:

- **Security Awareness**—apply security principles and practices to the environment, hardware, software, and human aspects of a system and
- **Security Analysis**—analyze and evaluate systems with respect to maintaining operations in the presence of risks and threats.

The Department of Homeland Security estimated that 20 percent of Americans have been victimized by some form of cybercrime. As our nation and the world places higher priority on strengthening cybersecurity, higher education must produce skilled and capable cybersecurity professionals, able to defend networks and infrastructure. Computer science may not be claimed as a minor.

### High School Preparation

Recommended high school preparation for a cybersecurity concentration is two units of algebra. Opportunities are available to make up this deficiency. In this case, time required to complete a cybersecurity concentration could be expected to increase.

### Academic Program Fee

\$135 per semester or 3 payments of \$45 (p. 21)

# Cybersecurity Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
CS 130	Introduction to Information Technology . . . . .	2
CS 202	Introduction to Programming . . . . .	3
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours</b>		<b>16</b>

#### Spring

BI 205	New Testament Introduction . . . . .	2
CS 214	C Programming. . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
MA 131	College Trigonometry . . . . .	3
<b>Total Hours</b>		<b>14</b>

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
CS 227	Data Structures and Algorithms . . . . .	3
CS 271	Computer Security . . . . .	3
CS 344	Networks I . . . . .	3
MA 326	Statistics . . . . .	3
<b>Total Hours</b>		<b>14</b>

BI 322	Bible Doctrines . . . . .	2
CS 246	Object-Oriented Programming and Design. . . . .	3
CS 272	Cybersecurity . . . . .	3
CS 346	Networks II . . . . .	3
CS 373	Computer System Administration. . . . .	3
	Minor or Elective. . . . .	2
<b>Total Hours</b>		<b>16</b>

### JUNIOR

CR 370	Origins . . . . .	2
CS 303	Database I . . . . .	3
CS 376	Introduction to Applied Cryptography. . . . .	3
CS 379	Ethical Hacking . . . . .	3
CS 471	Information Security Management . . . . .	3
<b>Total Hours</b>		<b>14</b>

BI 370	Worldview and Apologetics. . . . .	2
CS 326	Operating Systems. . . . .	3
CS 331	Python Programming <b>or</b>	
CS 361	Java Programming* <b>or</b>	
CS 364	.NET Programming. . . . .	3
CS 472	Digital Forensics . . . . .	3
MA 224	Discrete Mathematics. . . . .	3
	Minor or Elective. . . . .	2
<b>Total Hours</b>		<b>16</b>

### SENIOR

BA 403	Business Communications . . . . .	3
BI	Bible Elective. . . . .	2
CS 351	Software Engineering I . . . . .	3
CS 405	Computer Hardware Maintenance . . . . .	3
SC	Science Elective . . . . .	3
	Minor or Elective. . . . .	2
<b>Total Hours</b>		<b>16</b>

CS 401	Computer Science Seminar. . . . .	1
CS 414	Systems Design . . . . .	3
EN 210	Introduction to Literature . . . . .	3
PR 411	Biblical Ethics . . . . .	3
SP 410	Oral Communication in the Professions . . . . .	2
	Minor or Elective. . . . .	2
<b>Total Hours</b>		<b>14</b>

\*Offered fall even.

## INFORMATION TECHNOLOGY CONCENTRATION

**The purpose of the information technology concentration** is to prepare students to design, program, and manage computer information systems and technology. Students are also trained to work collaboratively in a team setting as well as expand their knowledge on their own to help them continually adapt to an ever-changing technological world.

**Additional Learning Outcome:** Graduates of the information technology concentration will also demonstrate the following outcome.

- **User Requirements**—identify and analyze user needs and take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems.

Our lives are affected daily by the rapidly changing field of computer science. Businesses, churches, Christian schools, and mission boards need people who can use technology to manage information. This concentration provides a general background in computer science with an emphasis in programming and problem solving. The student gains programming skills in several languages through “hands-on” experience. Training in logical thinking and disciplined documentation of programs is stressed.

Upon completion of this concentration, students will be ready to enter a variety of technology-related industry positions or graduate programs. Recommended minors include management and e-Business management. Computer science may not be claimed as a minor.

### High School Preparation

Recommended high school preparation for an information technology concentration is two units of algebra. Opportunities are available to make up this deficiency. In this case, time required to complete an information technology concentration could be expected to increase.

### Academic Program Fee

\$135 per semester or 3 payments of \$45 (p. 21)

## Information Technology Concentration

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
CS 130	Introduction to Information Technology. . . . .2	CS 214	C Programming. . . . .3
CS 202	Introduction to Programming . . .3	EN 126	English Grammar/Composition II .3
EN 121	English Grammar/Composition I. .3	HI 101	History of Civilization . . . . .3
SP 101	Fundamentals of Speech . . . . .3	MA 130	College Algebra II . . . . .3
	Minor or Elective. . . . .2		
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>14</b>

#### SOPHOMORE

BA 322	Business Statistics <b>or</b>	BA 217	e-Business Systems . . . . .3
MA 326	Statistics . . . . .3	BI 322	Bible Doctrines . . . . .2
BI 321	Bible Doctrines . . . . .2	CS 246	Object-Oriented Programming and Design. . . . .3
CS 211	Introduction to Web Design. . . . .3	HI 102	History of Civilization . . . . .3
CS 227	Data Structures and Algorithms .3	MA 330	Quantitative Methods . . . . .3
CS 271	Computer Security . . . . .3	<b>Total Hours</b>	<b>14</b>
<b>Total Hours</b>	<b>14</b>		

#### JUNIOR

CR 370	Origins . . . . .2	BI 370	Worldview and Apologetics. . . . .2
CS 303	Database I . . . . .3	CS 306	Database II. . . . .3
CS 335	Mobile Application Programming . . . . .3	CS 346	Networks II . . . . .3
CS 344	Networks I. . . . .3	CS 364	.NET Programming . . . . .3
CS 361	Java Programming. . . . .3	CS 401	Computer Science Seminar . . . . .1
	Minor or Elective. . . . .2	EN 210	Introduction to Literature. . . . .3
<b>Total Hours</b>	<b>16</b>	<b>Total Hours</b>	<b>15</b>

#### SENIOR

BA 403	Business Communications . . . . .3	CS 414	Systems Design . . . . .3
BI	Bible Elective. . . . .2	CS	Computer Science Elective* . . . . .3
CS 351	Software Engineering I. . . . .3	PR 411	Biblical Ethics . . . . .3
CS 405	Computer Hardware Maintenance . . . . .3	SP 410	Oral Communication in the Professions . . . . .2
CS	Computer Science Elective* . . . . .3		Minor or Electives. . . . .4
SC	Science Elective . . . . .3	<b>Total Hours</b>	<b>15</b>
<b>Total Hours</b>	<b>17</b>		

\*Must be 200-level or above.

## ENGINEERING MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the engineering major** is to develop Christian engineers who are prepared academically to be viable professionals in either the mechanical or electrical engineering field.

**Program Educational Objectives:** Within the first five years after graduation, our engineering alumni are expected to make measurable contributions in the following spiritual and professional objectives:

- **Entry-Level Employment**—apply technical knowledge, engineering skills, professional ethics, and Christian principles in the workplace;
- **Christian Ministry**—support a local church and other Christian ministries;
- **Leadership**—demonstrate Christian leadership through career, church, or community opportunities; and
- **Lifelong Learning**—advance professionally through achievements such as licensure, certification, or continuing education.

**Learning Outcomes:** Graduates of the engineering program will demonstrate the following outcomes:

- **Technical Competence**—an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics;
- **Engineering Design**—an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors;
- **Communication**—an ability to communicate effectively with a range of audiences;
- **Professionalism**—an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts;
- **Teamwork**—an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives;
- **Experimentation**—an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions; and

- **Intellectual Skills**—an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

*(Additional learning outcomes are listed for each concentration.)*

### Accreditation

The baccalaureate degree in engineering at Pensacola Christian College is accredited by the Engineering Accreditation Commission of ABET ([www.abet.org](http://www.abet.org)).

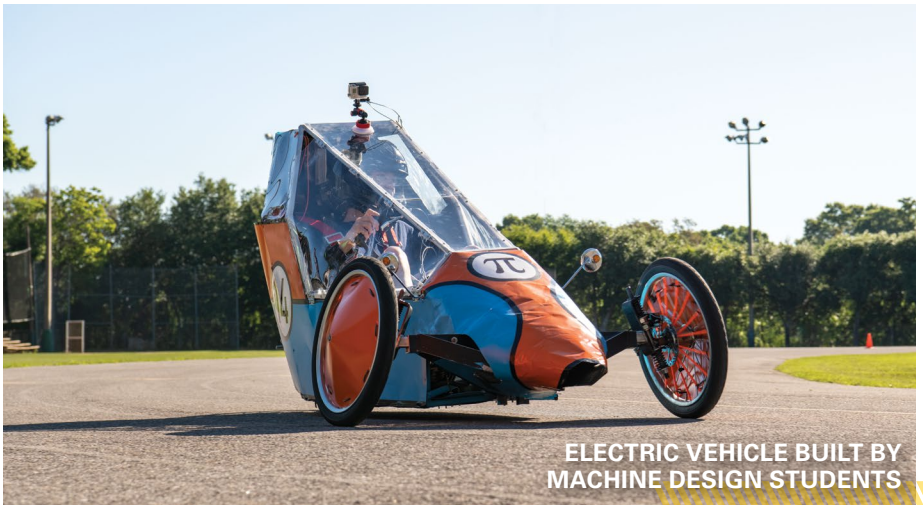
### High School Preparation

Modern engineering education demands much specific high school preparation. Ideally, the beginning engineering student should have a good understanding of basic physical sciences, a highly developed ability in mathematics, and competence to read rapidly with comprehension. Minimum adequate preparation includes 2 units of algebra and 1 unit each of plane geometry, advanced mathematics (trigonometry and analytical geometry or precalculus), chemistry, and physics. While prior computer knowledge is helpful, it is not required.

Students not prepared to enter directly into the engineering curriculum will be able to make up certain deficiencies. In this case, time required to complete an engineering degree could be expected to increase.

### Residence Requirements

All students in this program are required to be full-time students taking a minimum of 12 semester hours. First consideration for acceptance into the program will be given to residence hall students. PCC does not provide residence hall living space for married students or their families.



## ELECTRICAL CONCENTRATION

**The purpose of the electrical concentration** is to promote the cause of Christ by providing engineering education in a Christian and traditional, liberal-arts setting to develop undergraduates who are biblical in their philosophical worldview, Christlike in their character, and exemplary in their practice of electrical engineering.

**Additional Learning Outcomes:** Graduates of the electrical concentration will also demonstrate the following outcomes:

- **Analysis**—analyze electrical and electronic devices, circuits, and systems;
- **Design-Integrate**—perform detailed design of electrical, electronic, and digital devices and systems containing hardware and software components; and
- **Stochastic Analysis**—apply probability and statistics to analyze electrical and electronic components, signals, or systems.

This concentration in the engineering major focuses on the fundamental laws of God’s creation manifested through science and mathematics, with strong emphasis on applying principles to solve practical engineering problems. Students learn how to harness, control, and direct electrical forces at work in nature to achieve human goals.

In the senior year, students apply all they have learned in a capstone project in which they design, plan, build, and test subsystems using modern design methods and electronic design automation tools.

Students complete a minor in mathematics through their required mathematics support courses.

### **Academic Program Fee**

\$205 per semester or 3 payments of \$68.33 (p. 21)

# Electrical Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
CH 111	General Chemistry I . . . . .	4
EL 107	Intro. to Electrical Engineering and Digital Logic Design. . . . .	2
EN 121	English Grammar/Composition I. . . . .	3
MA221	Calculus I . . . . .	4

**Total Hours . . . . . 15**

#### Spring

BI 205	New Testament Introduction . . . . .	2
EL 148	Introduction to Microprocessors. . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
MA222	Calculus II . . . . .	4
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 15**

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
EG 205	Statics . . . . .	3
EL 223	Circuits I. . . . .	4
MA322	Differential Equations . . . . .	3
PY 231	General Physics I . . . . .	4

**Total Hours . . . . . 16**

BI 322	Bible Doctrines . . . . .	2
EL 224	Circuits II . . . . .	4
HI 101	History of Civilization . . . . .	3
MA321	Calculus III . . . . .	4
PY 232	General Physics II . . . . .	4

**Total Hours . . . . . 17**

### JUNIOR

BI 370	Worldview and Apologetics. . . . .	2
EL 331	Electromagnetic Fields. . . . .	3
EL 341	Electronics I. . . . .	4
EL 347	Advanced Digital Logic Design. . . . .	3
MA326	Statistics . . . . .	3

**Total Hours . . . . . 15**

CR 370	Origins . . . . .	2
EL 326	Linear Systems . . . . .	3
EL 332	Electromagnetic Waves . . . . .	3
EL 342	Electronics II . . . . .	4
EL 352	C Programming for Electrical Engineers. . . . .	3

**Total Hours . . . . . 15**

### SENIOR

BI	Bible Elective. . . . .	2
EG 425	Engineering Economics and Professional Issues . . . . .	3
EL 431	Power Systems . . . . .	3
EL 443	Electronics Design Lab . . . . .	2
EL 445	Communication Systems . . . . .	4
	Mathematics Elective* . . . . .	3

**Total Hours . . . . . 17**

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective. . . . .	2
EL 426	Automatic Control Systems. . . . .	3
EL 446	Analog VLSI Design . . . . .	3
EL 450	Electrical Engineering Design . . . . .	3
EN 210	Introduction to Literature. . . . .	3
HI 102	History of Civilization . . . . .	3

**Total Hours . . . . . 17**

\*Students must take one of the following: EG 341, MA 241, or MA 343.



## MECHANICAL CONCENTRATION

**The purpose of the mechanical concentration** is to promote the cause of Christ by providing engineering education in a Christian and traditional, liberal-arts setting to develop undergraduates who are biblical in their philosophical worldview, Christlike in their character, and exemplary in their practice of mechanical engineering.

**Additional Learning Outcomes:** Graduates of the mechanical concentration will also demonstrate the following outcomes:

- **Mechanical Design**—apply calculus and differential equations, basic science, and engineering principles to modeling, analysis, design, and realization of mechanical engineering components, systems, or processes and
- **Integrated Design**—solve open-ended design problems in the mechanical engineering disciplines of HVAC and Refrigeration, Mechanical Systems and Materials, and Thermal and Fluids Systems.

This concentration in the engineering major places strong emphasis on practicality for solving design problems in courses such as engineering graphics, materials science, thermodynamics, electrical circuits, and machine design. Students gain valuable experience in mechanics of materials, heat and power, vibrations, and computer labs.

In the capstone design course, students use computers and case studies as they organize into teams to design various material handling, structural, and mechanical systems for an industrial plant addition.

Students complete a minor in mathematics through their required mathematics support courses.

### **Academic Program Fee**

\$205 per semester or 3 payments of \$68.33 (p. 21)

## Mechanical Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
CH 111	General Chemistry I . . . . .	4
EG 103	Engineering Orientation . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
MA221	Calculus I . . . . .	4
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

##### Spring

BI 205	New Testament Introduction . . . . .	2
EG 106	Engineering Graphics . . . . .	2
EG 201	Materials Science . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
MA222	Calculus II . . . . .	4
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>17</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
EG 205	Statics . . . . .	3
MA321	Calculus III . . . . .	4
MA326	Statistics . . . . .	3
PY 231	General Physics I . . . . .	4
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

BI 322	Bible Doctrines . . . . .	2
BI	Bible Elective . . . . .	2
EG 206	Mechanics of Materials . . . . .	3
EG 208	Dynamics . . . . .	3
MA322	Differential Equations . . . . .	3
PY 232	General Physics II . . . . .	4
<b>Total Hours</b>	<b>.....</b>	<b>17</b>

#### JUNIOR

EG 321	Electrical Circuits . . . . .	4
EG 341	Numerical Methods for Engineering . . . . .	3
HI 101	History of Civilization . . . . .	3
ME 301	Thermodynamics . . . . .	3
ME 412	Machine Design I . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

CR 370	Origins . . . . .	2
EG 322	Electrical Systems . . . . .	2
ME 308	Fluid Mechanics . . . . .	3
ME 310	Kinematic Design of Planar Mechanisms . . . . .	3
ME 407	Heat Transfer . . . . .	3
ME 413	Machine Design II . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

#### SENIOR

BI 370	Worldview and Apologetics . . . . .	2
EG 425	Engineering Economics and Professional Issues . . . . .	3
ME 331	Manufacturing Engineering . . . . .	3
ME 405	Automatic Control Systems . . . . .	3
ME 415	Vibrations . . . . .	3
ME 422	Circuits and Instrumentation Design Laboratory . . . . .	1
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
EN 210	Introduction to Literature . . . . .	3
HI 102	History of Civilization . . . . .	3
ME 408	Heat and Power Design Lab . . . . .	1
ME 409	Design of Thermal Systems . . . . .	3
ME 442	Senior Mechanical Engineering Design . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

# HUMANITIES DEPARTMENT

*Division of Arts and Sciences*

Mrs. Marie Thompson, Chair

## Undergraduate Degrees

### Bachelor of Arts

**163 English Major**

**166** Professional Writing Concentration

**168 History Major**

**170** Political Science Concentration

**172 Humanities Major**

**174** Pre-Law Emphasis

### Bachelor of Science

**176 Criminal Justice Major**

**179 Interdisciplinary Studies Major**

### Associate of Science

**178 Criminal Justice Major**

### 204–207 Minors

Criminal Justice, English, History,  
Political Science, Spanish, Writing

### 76 Missions Broad Fields

Professional Writing,  
Teaching English

### 119–120, 128–129 Teaching Fields

English, History, Spanish



The **humanities department** seeks to build the foundation of a biblical, liberal arts education in language, history, writing, literature, and government. Programs offered by this department equip students to become well-rounded, knowledgeable professionals who are able to communicate truth and wisdom in diverse fields such as education, journalism, law, business, and government.

In studying the human experience, students learn about historical, political, literary, and intellectual developments that reveal the constant, unfolding relationship between God and man. Faculty emphasize the significance and artistry involved in the written and oral communication about this relationship by teaching skills relating to information literacy, critical analysis, persuasion, craft, and research. Practical, biblically-integrated courses facilitate conversations about freedom, justice, equity, morality, beauty, and truth.

Since a common body of knowledge and language are key elements of a liberal arts education, every student takes English grammar and composition courses as well as survey courses in literature and history.

## ENGLISH MAJOR

### BACHELOR OF ARTS DEGREE

**The purpose of the English major** is for students to glorify God as the Creator of language by displaying order, upholding standards, interpreting language scripturally, building discernment, and communicating effectively. Students majoring in English are prepared to enter the fields of law, writing, business, education, and many other fields.

**Learning Outcomes:** Graduates of the English program will be able to

- differentiate between the Christian-traditional view of language and the linguistic view of language;
- critique trends in the English language from a traditional-Christian perspective;
- analyze literature in light of the Bible, the meaning of the text, and the work's historical and biographical context;
- communicate effectively in academic prose and oral presentations; and
- demonstrate skill in writing descriptions, narratives, and poetry.

With a firm foundation in grammar, students confidently develop their writing abilities in multiple genres. A strong attention to detail, an appreciation for excellence, well-developed organizational skills, and a love for the artistry of language enable PCC's English students to succeed in any writing pursuit.

Literature classes, especially on the junior and senior levels, train students to develop a lasting appreciation for literature, to broaden communication skills, and to practice critical thinking as they study authors who have influenced culture throughout history.

To complete a Spanish minor, students must take ML 421 in addition to minor requirements (p. 206). Writing may not be claimed as a minor.

### **Academic Program Fee**

\$10 per semester or 3 payments of \$3.33 (p. 21)



# English Major

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 14**

#### Spring

BI 205	New Testament Introduction . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
	Minor or Electives . . . . .	4

**Total Hours . . . . . 15**

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
EN 251	British Literature . . . . .	3
EN 291	Writing and Research in Literary Studies . . . . .	3
EN 360	Advanced English Grammar and Composition . . . . .	3
SC	Science Elective . . . . .	3
	Minor or Elective . . . . .	2

**Total Hours . . . . . 16**

BI 322	Bible Doctrines . . . . .	2
EN 252	American Literature . . . . .	3
EN 301	Creative Writing . . . . .	3
EN 362	History and Trends of the English Language . . . . .	3
HI 310	History of England . . . . .	3

**Total Hours . . . . . 14**

### JUNIOR

BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
CR 370	Origins . . . . .	2
EN 405	Milton . . . . .	3
EN	English Elective <sup>2</sup> (300- or 400-level) . . . . .	3
	Minor or Electives . . . . .	4

**Total Hours . . . . . 15**

BI 370	Worldview and Apologetics . . . . .	2
BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
EN 315	Shakespeare . . . . .	3
EN	English Electives <sup>2</sup> (300- or 400-level) . . . . .	6
	Minor or Elective . . . . .	2

**Total Hours . . . . . 16**

### SENIOR

BI	Bible Elective . . . . .	2
BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
EN 441	Senior Literature Research Project . . . . .	3
EN	English Elective <sup>2</sup> (300- or 400-level) . . . . .	3
	Social Science Elective <sup>3</sup> . . . . .	3

**Total Hours . . . . . 14**

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
ED 430	Instructional Methods . . . . .	2
EN 423	The Classics of Western Literature . . . . .	3
EN	English Elective <sup>2</sup> (300- or 400-level) . . . . .	3
	Minor or Elective . . . . .	3

**Total Hours . . . . . 16**

<sup>1</sup>All hours of required foreign language need to be earned in the same language.

<sup>2</sup>English majors may take PW 301, 302, 325, 326, and 404 for English electives (with minimum grade of "C-").

<sup>3</sup>Elective courses (p. 53)

## PROFESSIONAL WRITING CONCENTRATION

**The purpose of the professional writing concentration** is for students to use the gift of written language to communicate ideas effectively, concisely, and creatively in order to best express truth.

**Learning Outcomes:** Graduates of the professional writing concentration will be able to

- demonstrate proficiency in writing poetry and prose according to traditional genres and techniques;
- compose poetry and prose that communicate a clear message in harmony with a biblical worldview;
- analyze literature as a model for quality writing in light of the Bible, the meaning of the text, and the work's historical and biographical context;
- market their writing;
- effectively edit the writing of others; and
- exhibit professional skills and behaviors necessary to compete in their chosen field of professional writing.

Vast amounts of information are transmitted through written words. The need has never been greater for dedicated Christians who can produce text for brochures, magazines, newsletters, and other materials. The professional writing concentration helps students develop and refine journalistic, advertising, technical, and creative writing skills, and grasp the fundamentals of layout and design.

English or writing may not be claimed as a minor since these courses are a part of the professional writing concentration.

### **Writing Ability Evaluation**

Sophomores must pass PW 299 to continue in this concentration.

### **Academic Program Fee**

\$70 per semester or 3 payments of \$23.33 (p. 21)

# Professional Writing Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
CS 101	Intro. to Computer Applications . . . . .	1
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 15**

#### Spring

BI 205	New Testament Introduction . . . . .	2
BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3

**Total Hours . . . . . 14**

### SOPHOMORE

AR 120	Digital Typography . . . . .	3
BI 321	Bible Doctrines . . . . .	2
EN 251	British Literature . . . . .	3
EN 301	Creative Writing . . . . .	3
EN 360	Advanced English Grammar and Composition . . . . .	3

**Total Hours . . . . . 14**

AR 218	Photography I . . . . .	3
AR 220	Digital Graphics . . . . .	3
BA 220	Business English . . . . .	3
BI 322	Bible Doctrines . . . . .	2
EN 252	American Literature . . . . .	3
PW 299	Sophomore Writing Ability Evaluation . . . . .	0
	Minor or Elective . . . . .	2

**Total Hours . . . . . 16**

### JUNIOR

CR 370	Origins . . . . .	2
EN 401	Advanced Creative Writing . . . . .	3
EN	Literature Elective (300- or 400-level) <sup>2</sup> . . . . .	3
PW 302	Copy Editing . . . . .	3
PW 325	Journalism I . . . . .	3
	Minor or Elective . . . . .	2

**Total Hours . . . . . 16**

BI 370	Worldview and Apologetics . . . . .	2
EN	Literature Elective (300- or 400-level) <sup>2</sup> . . . . .	3
PW 301	Copywriting . . . . .	3
PW 305	Technical Writing . . . . .	3
PW 326	Journalism II . . . . .	3

**Total Hours . . . . . 14**

### SENIOR

BI	Bible Elective . . . . .	2
PR 306	Interpersonal Relationships . . . . .	3
PW 406	Creative Nonfiction . . . . .	3
PW 421	Professional Writing Portfolio Exhibit . . . . .	3
SC	Science Elective . . . . .	3
	Minor or Elective . . . . .	2

**Total Hours . . . . . 16**

EN 362	History and Trends of the English Language . . . . .	3
PW 404	Advanced Copy Editing . . . . .	3
PW 408	Writing for Publication . . . . .	3
PW 422	Professional Writing Internship . . . . .	2
	Minor or Electives . . . . .	4

**Total Hours . . . . . 15**

<sup>1</sup>All hours of required foreign language need to be earned in the same language.

<sup>2</sup>May take EN 291 in place of a literature elective.



## HISTORY MAJOR

### BACHELOR OF ARTS DEGREE

**The purpose of the history major** is to offer a traditional liberal arts education that is characterized by a dedication to biblical truth, wisdom, and excellence with the purpose of equipping students with the record of God's actions in the affairs of men and man's response to the providential works of God. History majors are prepared to enter the fields of law, politics, journalism, education, religion, and social sciences.

**Learning Outcomes:** Graduates of the history program will be able to

- apply a biblical worldview to the study of history;
- identify major historical periods, ideas, people, and events;
- interpret and evaluate critical issues in history;
- conduct historical research and produce clear and compelling analysis; and
- explain the unique nature of America's founding, through its participants, documents, and principles.

The history major teaches students to judge data and summarize information that is vital to many professions. Students gain practical insight by studying the social, economic, and governmental threads throughout history and comparing and contrasting them with civilization today. Studying key historical figures and events equips students with the knowledge to solve present conflicts and problems. History majors have entered fields of law, politics, journalism, education, management, religion, and social sciences.

To complete a Spanish minor, students must take ML 421 in addition to minor requirements (p. 206).

#### **Academic Program Fee**

\$10 per semester or 3 payments of \$3.33 (p. 21)

# History Major

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

#### Spring

BI 205	New Testament Introduction . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective. . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
	Minor or Electives. . . . .	4
<b>Total Hours . . . . .</b>		<b>15</b>

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
HI 201	United States History . . . . .	3
HI 211	World Geography . . . . .	3
PL 207	Introduction to Political Science . . . . .	3
SC	Science Elective . . . . .	3
	Minor or Elective. . . . .	2
<b>Total Hours . . . . .</b>		<b>16</b>

BI 322	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3
HI 200	Introduction to Historical Studies . . . . .	3
HI 202	United States History . . . . .	3
HI	History Elective (300- or 400-level) . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

### JUNIOR

BB 411	Church History I . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
HI 310	History of England . . . . .	3
HI	History Elective (300- or 400-level) . . . . .	3
	Minor or Electives. . . . .	5
<b>Total Hours . . . . .</b>		<b>16</b>

BB 412	Church History II . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
CR 370	Origins . . . . .	2
HI	History Electives (300- or 400-level) . . . . .	6
	Minor or Elective. . . . .	2
<b>Total Hours . . . . .</b>		<b>15</b>

### SENIOR

BI 370	Worldview and Apologetics. . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
HI 300	History and Principles of Free- Market Economics. . . . .	3
HI 441	Senior History Research Project . . . . .	3
PL 304	American Government. . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

BI	Bible Elective. . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
ED 430	Instructional Methods . . . . .	2
HI	History Elective (300- or 400-level). . . . .	3
	Minor or Electives. . . . .	6
<b>Total Hours . . . . .</b>		<b>16</b>

\*All hours of required foreign language need to be earned in the same language.

## POLITICAL SCIENCE CONCENTRATION

**The purpose of the political science concentration** is to train men and women to influence the world with their understanding of government from a Christian worldview.

**Learning Outcomes:** Graduates of the political science concentration will be able to

- distinguish between the biblical and secular views of governments;
- critique theories of politics, political institutions, and political behavior from a biblical perspective;
- contrast foundational ideas that support various systems of government;
- exhibit critical analysis of modern and contemporary political events, public policy, and government action; and
- produce informative empirical and normative research.

This concentration gives students opportunity to study the institution of government and its role in society. At PCC, government is presented as a God-ordained institution for the establishment and maintenance of law and order. The United States constitutional system with its hallmark of limited government is presented as the model of free states for the modern world.

Political science concentration courses focus on political topics such as America's founding, public administration, and political theory, all from a Christian perspective that is ethical and traditional in orientation. Courses such as Public Speaking and Debate develop these skills. Political science graduates have pursued careers in politics, law, journalism, and education.

To complete a Spanish minor, students must take ML 421 in addition to minor requirements (p. 206). History cannot be claimed as a minor.

### Academic Program Fee

\$10 per semester or 3 payments of \$3.33 (p. 21)

# Political Science Concentration

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA 125	Mathematics for Liberal Arts . . . . .	3
PL 101	American Political Heritage . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

#### Spring

BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
PL 207	Introduction to Political Science . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
EN 360	Advanced English Grammar and Composition . . . . .	3
HI 201	United States History . . . . .	3
PL 304	American Government . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

BA 201	Business Law . . . . .	3
BI 322	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
HI 202	United States History . . . . .	3
PL	Political Science Elective . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

### JUNIOR

BI 370	Worldview and Apologetics . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
PL	Political Science Electives . . . . .	6
SP 250	Public Speaking . . . . .	3
	Minor or Elective . . . . .	2
<b>Total Hours . . . . .</b>		<b>16</b>

BL/ML	Foreign Language Elective* . . . . .	3
CR 370	Origins . . . . .	2
PL 402	Political Theory . . . . .	3
PL	Political Science Elective . . . . .	3
SP 312	Debate . . . . .	3
	Minor or Elective . . . . .	2
<b>Total Hours . . . . .</b>		<b>16</b>

### SENIOR

BA 313	Public Relations . . . . .	3
BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
PL 407	Political Science Research . . . . .	3
PL	Political Science Elective . . . . .	3
SC	Science Elective . . . . .	3
	Minor or Elective . . . . .	2
<b>Total Hours . . . . .</b>		<b>16</b>

BI 414	Revelation . . . . .	2
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
EN 210	Introduction to Literature . . . . .	3
HI 300	History and Principles of Free- Market Economics . . . . .	3
	Minor or Electives . . . . .	5
<b>Total Hours . . . . .</b>		<b>16</b>

\*All hours of required foreign language need to be earned in the same language.

## HUMANITIES MAJOR

### BACHELOR OF ARTS DEGREE

**The purpose of the humanities major** is to give students a broad education in the arts and sciences to equip them with the knowledge and skills for a variety of opportunities and to prepare them to serve the Lord more fully.

**Learning Outcomes:** Graduates of the humanities program will be able to

- analyze information from a variety of disciplines using a Christian worldview and
- demonstrate effective writing skills in a variety of disciplines.

Humanities is a degree without a major concentration. PCC offers this program for the student who is planning to specialize later in graduate studies or a professional program or who now simply seeks exposure to a general education in various fields of arts and letters. A student who has not yet decided his area of specialization may feel more comfortable in this program than in an arbitrarily selected one.

To complete a Spanish minor, students must take ML 421 in addition to minor requirements (p. 206). Students may not declare English as a minor.

#### Academic Program Fee

\$25 per semester or 3 payments of \$8.33 (p. 21)



# Humanities Major

## Recommended Course Sequence

### FRESHMAN

#### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
	Minor or Elective . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>14</b>

#### Spring

BI 205	New Testament Introduction . . . . .	2
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>14</b>

### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
BY/CH/PY	Biology/Chemistry/ Physics Elective . . . . .	4
EN 210	Introduction to Literature . . . . .	3
HI 201	United States History . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

BI 322	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
BY/CH/PY	Biology/Chemistry/ Physics Elective . . . . .	4
EN 251	British Literature . . . . .	3
MU213	Appreciation of Fine Arts . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

### JUNIOR

BL/ML	Foreign Language Elective* . . . . .	3
CR 370	Origins . . . . .	2
EN 252	American Literature . . . . .	3
EN 360	Advanced English Grammar and Composition . . . . .	3
HI 300	History and Principles of Free- Market Economics . . . . .	3
SP 201	Voice and Diction . . . . .	2
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

BI 370	Worldview and Apologetics . . . . .	2
BL/ML	Foreign Language Elective* . . . . .	3
EN 315	Shakespeare . . . . .	3
HI 410	Europe in the 19th Century . . . . .	3
PL 304	American Government . . . . .	3
	Minor or Elective . . . . .	2
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

### SENIOR

BB 411	Church History I . . . . .	2
BI	Bible Elective . . . . .	2
EN 301	Creative Writing . . . . .	3
EN 431	Senior Humanities Research Project . . . . .	3
	Minor or Electives . . . . .	6
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

EN 423	The Classics of Western Literature . . . . .	3
PR 411	Biblical Ethics . . . . .	3
	Minor or Electives . . . . .	8
<b>Total Hours</b>	<b>.....</b>	<b>14</b>

\*All hours of required foreign language need to be earned in the same language.

## PRE-LAW EMPHASIS

**The purpose of the pre-law program** is to give students a broad-based education which will equip them to be successful in law school and in a career in law.

**Learning Outcomes:** Graduates of the pre-law emphasis will be able to

- analyze information from a variety of disciplines using a Christian worldview,
- compose clear arguments in written and oral forms, and
- employ skills necessary to enter law school.

Law schools look favorably on a broad spectrum of liberal arts study, a high cumulative grade point average, and an excellent Law School Admission Test score. To prepare students for law school, this academically demanding pre-professional emphasis provides training in clear and systematic thinking and develops excellence in students' written and oral expression. Introductory law courses guide students as they plan to pursue a career in law, and courses in American government and political science complement knowledge of United States and world history. Accounting and economics broaden the students' background. Political science, criminal justice, and Bible courses lead to a good understanding of society and personal relationships. Pre-law students should be scholars whose intellectual curiosity stimulates them to continue learning throughout their lives.

Students may not declare history, political science, or English as a minor.

### **Academic Program Fee**

\$10 per semester or 3 payments of \$3.33 (p. 21)

## Pre-Law Emphasis

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA	Mathematics Elective . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3

**Total Hours . . . . . 14**

##### Spring

BI 205	New Testament Introduction . . . . .	2
CJ 108	Criminal Law . . . . .	3
CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
HI 102	History of Civilization . . . . .	3

**Total Hours . . . . . 14**

#### SOPHOMORE

AC 231	Principles of Accounting I . . . . .	3
BI 321	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
EN 210	Introduction to Literature . . . . .	3
HI 201	United States History . . . . .	3
PL 207	Introduction to Political Science . . . . .	3

**Total Hours . . . . . 17**

AC 232	Principles of Accounting II . . . . .	3
BA 201	Business Law . . . . .	3
BI 322	Bible Doctrines . . . . .	2
BL/ML	Foreign Language Elective <sup>1</sup> . . . . .	3
HI 202	United States History . . . . .	3
SP 201	Voice and Diction . . . . .	2

**Total Hours . . . . . 16**

#### JUNIOR

CR 370	Origins . . . . .	2
HI 300	History and Principles of Free- Market Economics . . . . .	3
HI 399	Pre-Law Seminar . . . . .	1
PR 306	Interpersonal Relationships . . . . .	3
SP 250	Public Speaking . . . . .	3
	Minor or Elective <sup>2</sup> . . . . .	3

**Total Hours . . . . . 15**

BI 370	Worldview and Apologetics . . . . .	2
CJ 212	Criminal Procedure <b>or</b>	
CJ 306	Criminal Justice Research . . . . .	3
CJ 310	Rules of Evidence . . . . .	2
EN 251	British Literature . . . . .	3
EN 360	Advanced English Grammar and Composition . . . . .	3
SP 312	Debate . . . . .	3

**Total Hours . . . . . 16**

#### SENIOR

BI	Bible Elective . . . . .	2
EN 301	Creative Writing . . . . .	3
EN 418	World Drama <b>or</b>	
EN 423	The Classics of Western Literature . . . . .	3
HI 411	World History since 1900 . . . . .	3
PL 304	American Government . . . . .	3

**Total Hours . . . . . 14**

BA 442	Advanced Business Law <b>or</b>	
PL 425	Public Administration <b>or</b>	
PR 411	Biblical Ethics . . . . .	3
HI 412	World History since 1900 . . . . .	3
PL 303	State and Local Government . . . . .	3
SC	Science Elective . . . . .	3
	Minor or Elective . . . . .	2

**Total Hours . . . . . 14**

<sup>1</sup>All hours of required foreign language need to be earned in the same language.

<sup>2</sup>Students desiring to attend law school should consider taking HI 351.



## CRIMINAL JUSTICE MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the criminal justice major** is to prepare students with practical skills and leadership training from a biblical perspective that will allow them to become faithful and effective guarantors of the requisites for freedom and stability (e.g., crime prevention, the preservation of peace, and the safeguarding of civil rights) which ensure justice, equity, and liberty in a free society.

**Learning Outcomes:** Graduates of the criminal justice program will be able to

- formulate a rationale to support ethical and moral choices based on a biblical worldview,
- articulate the role of the criminal justice professional in the God-ordained institution of government,
- demonstrate college-level knowledge relevant to the various areas of the criminal justice system,
- communicate effectively in written and oral presentations, and
- relate knowledge to practical experience in various areas of the criminal justice system.

The criminal justice major involves study of the interrelationship among agencies of criminal justice, offenders, and victims. Courses include theories and facts about the nature and cause of delinquency and crime; analysis of operations of juvenile and criminal justice systems; the legal, philosophical, and moral foundations of justice systems; and the planning and management of courts, correctional systems, juvenile facilities, and law enforcement operations. Liberal arts courses provide a solid background that enhances the résumé of a student as he makes application for a position in either public or private agencies involved in the administration of justice. Criminal justice may not be claimed as a minor.

#### Practicums

Criminal justice majors must take one 2-credit practicum or two 1-credit practicums as part of their major requirements following completion of their sophomore year. Criminal justice practicums provide opportunities to combine theory and practice in a realistic setting and to make more judicious career decisions. Since there are limited local facilities available to criminal justice majors, students are urged to take these practicums

elsewhere. Pensacola Christian College is not responsible for any liability or medical expenses resulting from any sickness, accident, or injury while participating in the criminal justice practicums.

**Academic Program Fee**

\$20 per semester or 3 payments of \$6.67 (p. 21)

**Criminal Justice Major**

Recommended Course Sequence

**FRESHMAN**

<b>Fall</b>		<b>Spring</b>	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
CJ 101	Introduction and Orientation to Criminal Justice. . . . .3	CJ 105	Theory of Patrol . . . . .3
CJ 104	Organization and Management of Criminal Justice. . . . .3	CJ 106	Basic Criminal Investigation . . . . .3
CS 101	Intro. to Computer Applications . . .1	CJ 108	Criminal Law . . . . .3
EN 121	English Grammar/Composition I . .3	CJ 145	Traffic Control Practicum . . . . .1
MA	Mathematics Elective . . . . .3	EN 126	English Grammar/Composition II .3
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .15</b>	

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
CJ 216	Criminology. . . . .3	CJ 212	Criminal Procedure. . . . .3
CJ 217	Corrections . . . . .3	CJ 213	Juvenile Delinquency . . . . .3
HI 101	History of Civilization . . . . .3	EN 210	Introduction to Literature. . . . .3
PE 160/170	Swimming/Physical Fitness. . .1	SP 101	Fundamentals of Speech . . . . .3
SC	Science Elective . . . . .3		
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .14</b>	

**JUNIOR**

BI 370	Worldview and Apologetics. . . . .2	CJ 302	Parole and Probation . . . . .3
CJ 201	Dynamics of Human Behavior. . .3	CJ 306	Criminal Justice Research . . . . .3
CJ 301	Community Relations . . . . .3	CJ	Criminal Justice Elective . . . . .3
CJ 311	Security . . . . .3	CJ	Criminal Justice Practicum* . . . . .2
PL 304	American Government. . . . .3	CR 370	Origins. . . . .2
	Minor or Elective. . . . .2	PE 225	First Aid . . . . .2
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .15</b>	

**SENIOR**

BI	Bible Elective. . . . .2	CJ 310	Rules of Evidence . . . . .2
CJ	Criminal Justice Elective . . . . .3	CJ 404	Victims in Criminal Justice . . . . .3
CS/MA/SC	Computer Science/Mathematics/ Science Elective. . . . .3	CJ 448	Senior Criminal Justice Seminar. .1
PR 415	Marriage and Family Education . .3	HI 102	History of Civilization . . . . .3
	Minor or Electives. . . . .4		Minor or Electives. . . . .6
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .15</b>	

\*See p. 19 for additional cost if taken during Interterm or summer. Students taking a practicum may have a complete background and criminal record check run by the appropriate law enforcement agency.

## CRIMINAL JUSTICE MAJOR

### ASSOCIATE OF SCIENCE DEGREE

**The purpose of the two-year criminal justice major** is to prepare students with practical skills and training from a biblical perspective for entry-level employment in law enforcement.

**Learning Outcomes:** Graduates of the criminal justice program will be able to

- formulate a rationale to support ethical and moral choices based on a biblical worldview,
- articulate the role of the criminal justice professional in the God-ordained institution of government,
- demonstrate foundational college-level knowledge relevant to the various areas of the criminal justice system, and
- communicate effectively in written presentations.

Students are introduced to the components of the criminal justice system and study topics such as criminal investigations, theory and practice of handling convicted criminals, and the role of law enforcement in American society. When requirements are successfully completed, the student is awarded an associate of science degree. Academic requirements completed in this program also apply to the bachelor of science degree should a student desire to continue after two years. Because of the standard course rotation, the program should be started in the fall semester.

Because a baccalaureate degree in criminal justice can lead to higher entry-level and possible management positions, students are encouraged to complete the Bachelor of Science degree in Criminal Justice.

#### **Academic Program Fee**

\$15 per semester or 3 payments of \$5 (p. 21)

## Criminal Justice Major

### Recommended Course Sequence

#### FIRST YEAR

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
CJ 101	Introduction and Orientation to Criminal Justice. . . . .3	CJ 105	Theory of Patrol . . . . .3
CJ 104	Organization and Management of Criminal Justice. . . . .3	CJ 106	Basic Criminal Investigation . . . . .3
EN 121	English Grammar/Composition I. .3	CJ 108	Criminal Law . . . . .3
MA	Mathematics Elective . . . . .3	CJ 145	Traffic Control Practicum . . . . .1
PE 160/170	Swimming/Physical Fitness. . .1	EN 126	English Grammar/Composition II .3
<b>Total Hours. . . . .15</b>		<b>Total Hours. . . . .15</b>	

#### SECOND YEAR

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
CJ 216	Criminology. . . . .3	CJ 212	Criminal Procedure. . . . .3
CJ 217	Corrections . . . . .3	CJ 213	Juvenile Delinquency. . . . .3
CJ 311	Security . . . . .3	PL 304	American Government. . . . .3
PE 225	First Aid . . . . .2	SP 101	Fundamentals of Speech . . . . .3
	Elective . . . . .3		
<b>Total Hours. . . . .16</b>		<b>Total Hours. . . . .14</b>	

## INTERDISCIPLINARY STUDIES MAJOR

### BACHELOR OF SCIENCE DEGREE

The purpose of the interdisciplinary studies major is to give students a broad education to equip them with the knowledge and skills for a variety of opportunities.

**Learning Outcomes:** Graduates of the interdisciplinary studies program will be able to

- analyze information from a variety of disciplines using a Christian worldview and
- demonstrate effective writing skills in a variety of disciplines.

The interdisciplinary studies major allows students to create a personalized plan of study choosing courses from two or three different departments based on personal goals and interests. Students should not choose the interdisciplinary studies major if desiring to pursue a career that requires certification or licensure.

## Requirements

Students in the interdisciplinary studies major must complete 45 cognate credits from 2 or 3 different academic departments (p. 49); each cognate requires a minimum of 15 credits. Cognates must be approved by the Registrar. Students must earn at least 30 credits in 300- or 400-level courses.

## Academic Program Fee

\$25 per semester or 3 payments of \$8.33 (p. 21)

## Interdisciplinary Studies Major

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
EN 121	English Grammar/Composition I . .3	EN 126	English Grammar/Composition II .3
HI 101	History of Civilization . . . . .3	HI 102	History of Civilization . . . . .3
MA	Mathematics Elective . . . . .3	SP 101	Fundamentals of Speech . . . . .3
	Cognate or Elective . . . . .3		Cognate or Elective . . . . .3
<b>Total Hours . . . . .14</b>		<b>Total Hours . . . . .14</b>	

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
EN 210	Introduction to Literature . . . . .3	CS/MA/SC	Computer Science/Mathematics/ Science Elective . . . . .3
	Cognate or Electives . . . . .11		Cognate or Electives . . . . .11
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .16</b>	

#### JUNIOR

CR 370	Origins . . . . .2	BI 370	Worldview and Apologetics . . . . .2
SC	Science Elective . . . . .3		Social Science Elective* . . . . .3
	Cognate or Electives . . . . .10		Cognate or Electives . . . . .10
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .15</b>	

#### SENIOR

BI	Bible Elective . . . . .2	BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .2
EN 430	Writing for the Disciplines . . . . .3		Cognate or Electives . . . . .13
	Cognate or Electives . . . . .10		
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .15</b>	

\*Elective courses (p. 53)

# NATURAL SCIENCES DEPARTMENT

*Division of Arts and Sciences*

Dr. Shane Smith, Chair

## Undergraduate Degrees

### Bachelor of Science

**182 Mathematics Major**

**184 Natural Sciences Major**

Concentrations:

**184** Biology

**187** Cell and Molecular Biology

**189** Chemistry

Emphases:

**191** Pre-Medicine

**193** Pre-Pharmacy

**195** Pre-Physical Therapy

**203, 205 Minors**

Biology, Chemistry,  
Mathematics

**117, 122, 125, 128–129 Teaching Fields**

Biology, Mathematics, Science



The **natural sciences department** teaches students the order and complexity of God's creation as revealed in mathematics and the natural sciences of biology, chemistry, and physics. The professional preparation programs of pre-medicine, pre-pharmacy, and pre-physical therapy provide a broad background in science along with a foundation in liberal arts to prepare students for further study. Strong theoretical foundations are combined with practical applications, preparing the student for future opportunities.

The laws of mathematics and skill in solving mathematical problems are crucial to many fields and beneficial to all. Therefore, every student takes college algebra (or higher) as a general graduation requirement.

## MATHEMATICS MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the mathematics major** is to provide students with the opportunity to develop their analytical thinking, quantitative reasoning, problem solving, and communication skills that will prepare them to succeed in either graduate school or in a variety of careers in business, industry, government, or teaching. Concurrently, the mathematics major will help students recognize mathematics as the language God used in establishing the physical laws of the universe.

**Learning Outcomes:** Graduates of the mathematics program will be able to

- apply established methods of problem solving in the major areas of undergraduate mathematics,
- apply abstract reasoning to mathematical systems,
- explain key concepts in the major areas of undergraduate mathematics, and
- communicate the nature of mathematics as the language of science and as a means of representing the natural laws that God established in Creation.

No subject better reflects the glory of God than mathematics does. To study mathematics is to study God's thoughts after Him, for He is the great Engineer and Architect of the universe. Man's task is to search out the scientific and mathematical laws of the universe and to use them for man's benefit and the glory of God.

The mathematics major prepares students to use mathematical ideas in solving problems ranging from everyday applications to more sophisticated applications in the physical sciences. Mathematics is the vehicle that allows a student to state and understand relationships among

various laws of God’s creation. With insight into these relationships and with manipulative skills, the student can better understand the powerful hand of God in His design of and care for the universe.

**Academic Program Fee**

\$60 per semester or 3 payments of \$20 (p. 21)

**Mathematics Major**

Recommended Course Sequence

**FRESHMAN**

**Fall**

BI 105	Old Testament Introduction . . . . .	2
CS 202	Introduction to Programming . . . . .	3
EN 121	English Grammar/Composition I . . . . .	3
MA221	Calculus I . . . . .	4
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

**Spring**

BI 205	New Testament Introduction . . . . .	2
CS	Programming Elective . . . . .	3
EN 126	English Grammar/Composition II . . . . .	3
MA222	Calculus II . . . . .	4
MA224	Discrete Mathematics . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
EN 210	Introduction to Literature . . . . .	3
MA321	Calculus III . . . . .	4
PY 231	General Physics I . . . . .	4
	Minor or Elective . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

BI 322	Bible Doctrines . . . . .	2
MA299	Introduction to Research and Writing . . . . .	2
MA322	Differential Equations . . . . .	3
MA326	Statistics . . . . .	3
PY 232	General Physics II . . . . .	4
<b>Total Hours</b>	<b>.....</b>	<b>14</b>

**JUNIOR**

BI 370	Worldview and Apologetics . . . . .	2
EG 341	Numerical Methods for Engineering . . . . .	3
HI 101	History of Civilization . . . . .	3
MA303	Linear Algebra . . . . .	3
MA343	Mathematics of Complex Variables . . . . .	3
<b>Total Hours</b>	<b>.....</b>	<b>14</b>

CR 370	Origins . . . . .	2
HI 102	History of Civilization . . . . .	3
MA405	Geometry . . . . .	3
MA432	Advanced Calculus . . . . .	3
	Minor or Electives . . . . .	5
<b>Total Hours</b>	<b>.....</b>	<b>16</b>

**SENIOR**

BI	Bible Elective . . . . .	2
ED 430	Instructional Methods . . . . .	2
MA400	History of Mathematics . . . . .	3
MA426	Mathematical Statistics . . . . .	3
MA441	Abstract Algebra I . . . . .	3
	Minor or Elective . . . . .	2
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
MA407	Applied Mathematics . . . . .	3
MA442	Abstract Algebra II . . . . .	3
MA499	Mathematics Capstone Seminar . . . . .	2
	Social Science Elective* . . . . .	3
	Minor or Elective . . . . .	2
<b>Total Hours</b>	<b>.....</b>	<b>15</b>

\*Elective courses (p. 53)



## NATURAL SCIENCES MAJOR

### BACHELOR OF SCIENCE DEGREE

**The purpose of the natural sciences major** is to provide a strong background in science and to encompass a traditional, liberal arts education from a Christian perspective as well as to prepare students for admission to and successful completion of graduate studies in their chosen field.

**Learning Outcomes:** Graduates of the natural sciences program will be able to

- demonstrate their understanding of key concepts necessary to solve problems in science and mathematics or explain life processes,
- apply standard scientific conventions to present logical conclusions based on novel research data and the research of others,
- critique creationist and evolutionary interpretations of scientific data by applying scientific principles from the perspective of a supernatural creation of all things in six literal days approximately 6,000 years ago by the God of the Bible, and
- articulate ethical standards based on a biblical foundation.

*(Additional learning outcomes are listed for each concentration/emphasis.)*

## BIOLOGY CONCENTRATION

**The purpose of the biology concentration** is for the student to learn to apply both scriptural and scientific methods toward understanding how living things function and how they depend upon each other for sustenance. The accomplishment of this dual goal encompasses biblical concepts about the relationships between God, man, and the physical universe. The scientific method is used to observe and explore the variety and design of God's creation.

**Additional Learning Outcome:** Graduates of the biology concentration will also be able to demonstrate skills in properly collecting and analyzing data obtained by using standard biology laboratory techniques and instrumentation.

The study of living things has fascinated mankind since Creation. From the beginning, man has been naming, studying, and using living things. In Gen. 1:28, "God said unto them, . . . have dominion over the fish of

*the sea, and over the fowl of the air, and over every living thing that moveth upon the earth.”* Biology enables one to observe the variety and design of life. Applying the scientific method in biological research, students begin to understand how living things function and how they depend upon each other for sustenance. They also learn what conditions interfere with normal life processes and how many of these conditions can be prevented, reduced, or even cured.

Students pursuing a biology concentration to prepare for medical school should consult their faculty advisors about recommended course sequence before their first registration for classes.

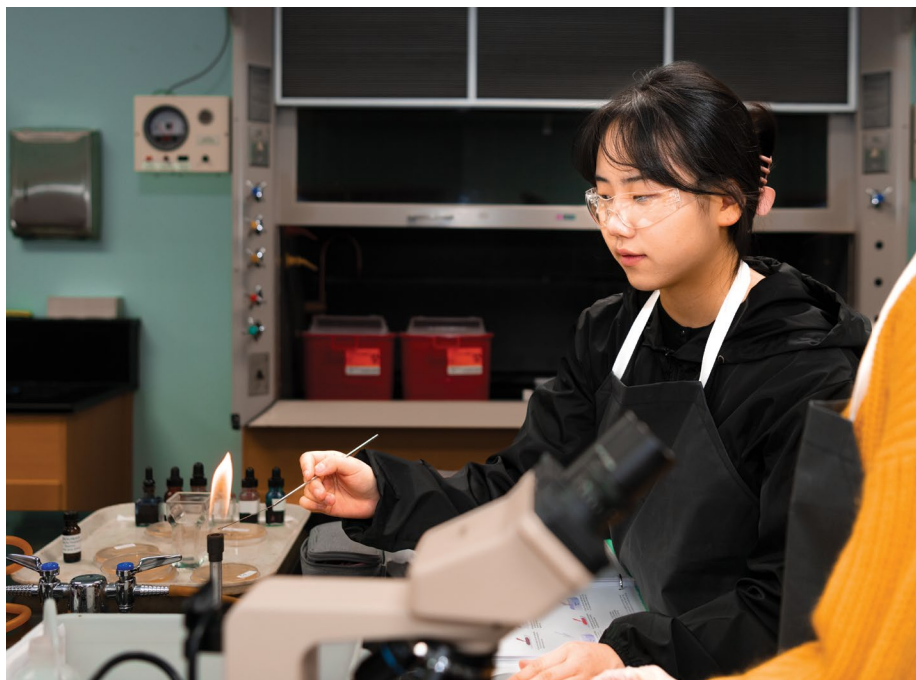
To complete a chemistry minor, students must choose a 4-hour CH elective (300- or 400-level course) in addition to minor requirements (p. 203).

### **High School Preparation**

Recommended high school preparation for a biology concentration is 2 units of algebra and 1 unit each of biology and chemistry. Opportunities are available to make up certain deficiencies. In this case, time required to complete a biology concentration could be expected to increase.

### **Academic Program Fee**

\$155 per semester or 3 payments of \$51.67 (p. 21)



## Biology Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
BY 111	General Biology I . . . . .	4
CH 111	General Chemistry I . . . . .	4
EN 121	English Grammar/Composition I . . . . .	3
MA 130	College Algebra II . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>

##### Spring

BI 205	New Testament Introduction . . . . .	2
BY 112	General Biology II . . . . .	4
CH 112	General Chemistry II . . . . .	4
EN 126	English Grammar/Composition II . . . . .	3
MA 131	College Trigonometry . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
BY 221	Zoology . . . . .	4
CH 211	Organic Chemistry I . . . . .	4
HI 101	History of Civilization . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>

BI 322	Bible Doctrines . . . . .	2
BY 222	Botany . . . . .	4
CH 212	Organic Chemistry II . . . . .	4
HI 102	History of Civilization . . . . .	3
SC 299	Research Methods . . . . .	2
<b>Total Hours . . . . .</b>		<b>15</b>

#### JUNIOR

BY 331	Genetics . . . . .	4
CR 370	Origins . . . . .	2
MA 326	Statistics . . . . .	3
PY 211	College Physics I . . . . .	4
	Minor or Elective . . . . .	2
<b>Total Hours . . . . .</b>		<b>15</b>

BI 370	Worldview and Apologetics . . . . .	2
BY	Biology Elective <sup>1</sup> . . . . .	4
EN 210	Introduction to Literature . . . . .	3
PY 212	College Physics II . . . . .	4
<b>Total Hours . . . . .</b>		<b>13</b>

#### SENIOR

BI	Bible Elective . . . . .	2
BY 323	Ecology . . . . .	4
BY	Biology Elective . . . . .	4
ED 430	Instructional Methods . . . . .	2
SC 430	Professional Issues in the Sciences . . . . .	3
<b>Total Hours . . . . .</b>		<b>15</b>

BI/BB/MI/PR	Bible/Bible Background/ Missions/Practical Training Elective . . . . .	2
BY 422	Cell Biology . . . . .	4
BY 450	Biotechnology . . . . .	3
SC 499	Senior Research Seminar . . . . .	2
	Social Science Elective <sup>2</sup> . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

<sup>1</sup>CH 306 Biochemistry may be taken as a BY elective.

<sup>2</sup>Elective courses (p. 53)

## CELL AND MOLECULAR BIOLOGY CONCENTRATION

**The purpose of the cell and molecular biology concentration** is for the student to develop an understanding of the design and function of the cell while appreciating the complexity of that design as a fingerprint of our Creator. Students will complete focused coursework in cell and molecular biology that will prepare them for careers in life science research, biotech industry, or entrance to graduate school.

**Additional Learning Outcome:** Graduates of the cell and molecular biology concentration will also be able to demonstrate proficiency in the theory and applications of cell and macromolecular experimental design and implementation.

With the rapid development of technology, a greater appreciation of the intricate structure and function of the cell has enabled scientists to both understand and treat human disease in ways not previously possible. As technology continues to advance in the twenty-first century, the emphasis in therapy is one of a personalized approach to healthcare. Students who pursue a concentration in cell and molecular biology will find themselves positioned at the intersection of emerging technology and the most innovative scientific advances. This program of study prepares students with prerequisite courses, foundational knowledge, and the necessary skills to apply for entrance into biomedical research graduate studies or a myriad of career choices in life science industries upon graduating from PCC.

Students pursuing a cell and molecular biology concentration to prepare for medical school should consult their faculty advisors about recommended course sequence before their first registration for classes.

### High School Preparation

Recommended high school preparation for a cell and molecular biology concentration is 2 units of algebra, 1 unit of trigonometry, and 1 unit each of biology and chemistry. Opportunities are available to make up certain deficiencies. In this case, time required to complete a cell and molecular biology concentration could be expected to increase.

### Academic Program Fee

\$155 per semester or 3 payments of \$51.67 (p. 21)

## Cell and Molecular Biology Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
BY 111	General Biology I . . . . .	4
CH 111	General Chemistry I . . . . .	4
EN 121	English Grammar/Composition I . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>

##### Spring

BI 205	New Testament Introduction . . . . .	2
BY 112	General Biology II . . . . .	4
CH 112	General Chemistry II . . . . .	4
EN 126	English Grammar/Composition II . . . . .	3
HI 101	History of Civilization . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
BY 331	Genetics . . . . .	4
CH 211	Organic Chemistry I . . . . .	4
MA221	Calculus I . . . . .	4

**Total Hours . . . . . 14**

BI 322	Bible Doctrines . . . . .	2
BY 306	General Microbiology . . . . .	4
CH 212	Organic Chemistry II . . . . .	4
HI 102	History of Civilization . . . . .	3
SC 299	Research Methods . . . . .	2

**Total Hours . . . . . 15**

#### JUNIOR

BI 370	Worldview and Apologetics . . . . .	2
BY 341	Immunology . . . . .	3
MA326	Statistics . . . . .	3
PR 411	Biblical Ethics . . . . .	3
PY 211	College Physics I* . . . . .	4

**Total Hours . . . . . 15**

BY 342	Developmental Biology . . . . .	4
CH 306	Biochemistry . . . . .	4
CR 370	Origins . . . . .	2
PY 212	College Physics II* . . . . .	4

**Total Hours . . . . . 14**

#### SENIOR

BI	Bible Elective . . . . .	2
BY 449	Molecular Biology . . . . .	3
BY/CH	Elective . . . . .	4
EN 210	Introduction to Literature . . . . .	3
SC 430	Professional Issues in the Sciences . . . . .	3

**Total Hours . . . . . 15**

BY 422	Cell Biology . . . . .	4
BY 450	Biotechnology . . . . .	3
BY/CH	Elective . . . . .	4
SC 499	Senior Research Seminar . . . . .	2
	Minor or Elective . . . . .	2

**Total Hours . . . . . 15**

\*May take PY 231–232 in place of PY 211–212.

## CHEMISTRY CONCENTRATION

**The purpose of the chemistry concentration** is to teach our students to apply the scientific method with modern experimentation in the field of chemistry so that they can fulfill God's command to be wise stewards of His creation. This purpose will be accomplished by providing the students with a strong background in the physical sciences and with a broad liberal arts education from a Christian perspective.

**Additional Learning Outcome:** Graduates of the chemistry concentration will also be able to demonstrate skills in properly collecting and analyzing data obtained by using standard chemistry laboratory techniques and instrumentation.

Chemistry deals with the nature of God's physical creation—specifically, the composition, structure, and properties of matter and changes that matter undergoes. Chemistry is foundational to all other natural sciences since the entire physical creation is composed of matter. Students learn about the precision and design of creation on the atomic level.

Chemists apply the scientific method and experimentation to fulfill God's command to subdue the earth (Gen. 1:28). Through chemistry, man has invented durable substitute clothing fibers, semiconductors for computer electronics, fertilizers and pesticides for farmers, drugs to fight disease, plastics, and much more. The human body is perhaps the most complex "chemical factory" on earth, and a mastery of chemistry can prepare one for a life devoted to maintaining human health.

Students pursuing a chemistry concentration to prepare for medical school should consult their faculty advisors about the recommended course sequence before their first registration for classes.

Mathematics may be claimed as a minor by completing 4 credits of mathematics electives (MA 224 or higher) in addition to minor requirements (p. 205).

### High School Preparation

Recommended high school preparation for a chemistry concentration is 2 units of algebra and 1 unit each of plane geometry, advanced mathematics (trigonometry and analytical geometry or precalculus), chemistry, and physics. Opportunities are available to make up certain deficiencies, but time required to complete the chemistry concentration may increase.

### Academic Program Fee

\$145 per semester or 3 payments of \$48.33 (p. 21)

## Chemistry Concentration

### Recommended Course Sequence

#### FRESHMAN

##### Fall

BI 105	Old Testament Introduction . . . . .	2
CH 111	General Chemistry I . . . . .	4
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
MA221	Calculus I . . . . .	4
<b>Total Hours . . . . .</b>		<b>16</b>

##### Spring

BI 205	New Testament Introduction . . . . .	2
CH 112	General Chemistry II . . . . .	4
EN 126	English Grammar/Composition II . . . . .	3
MA222	Calculus II . . . . .	4
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . .	2
CH 211	Organic Chemistry I . . . . .	4
MA321	Calculus III . . . . .	4
PY 231	General Physics I . . . . .	4
<b>Total Hours . . . . .</b>		<b>14</b>

BI 322	Bible Doctrines . . . . .	2
CH 212	Organic Chemistry II . . . . .	4
MA326	Statistics . . . . .	3
PY 232	General Physics II . . . . .	4
SC 299	Research Methods . . . . .	2
<b>Total Hours . . . . .</b>		<b>15</b>

#### JUNIOR

BY 111	General Biology I . . . . .	4
CH 321	Physical Chemistry I . . . . .	4
CH 432	Instrumental Analysis . . . . .	4
CR 370	Origins . . . . .	2
<b>Total Hours . . . . .</b>		<b>14</b>

BI 370	Worldview and Apologetics . . . . .	2
CH 306	Biochemistry . . . . .	4
CH 322	Physical Chemistry II . . . . .	4
HI 102	History of Civilization . . . . .	3
	Minor or Elective . . . . .	3
<b>Total Hours . . . . .</b>		<b>16</b>

#### SENIOR

BI	Bible Elective . . . . .	2
CH 411	Inorganic Chemistry . . . . .	4
ED 430	Instructional Methods . . . . .	2
EN 210	Introduction to Literature . . . . .	3
SC 430	Professional Issues in the Sciences . . . . .	3
<b>Total Hours . . . . .</b>		<b>14</b>

CH 315	Analytical Chemistry . . . . .	4
CH 422	Advanced Organic Chemistry . . . . .	3
CH 423	Advanced Organic Chemistry Research Lab . . . . .	1
PR 411	Biblical Ethics . . . . .	3
SC 499	Senior Research Seminar . . . . .	2
	Minor or Elective . . . . .	2
<b>Total Hours . . . . .</b>		<b>15</b>

## PRE-MEDICINE EMPHASIS

**The purpose of the pre-medicine emphasis** is to prepare students for admission to and successful completion of medical school.

**Additional Learning Outcome:** Graduates of the pre-medicine emphasis will also be able to demonstrate proficiency in entrance requirements for medical school.

The pre-medicine emphasis is designed to encompass a broad, liberal arts education and establish a strong background in science. Students acquire other basic skills and attitudes such as reading with comprehension and retention, understanding concepts and drawing logical conclusions, and adapting quickly to new and different circumstances.

Admission to medical school in the United States is very selective, admitting only students with excellent grades and admission test scores and skills necessary to excel in the profession of medicine. Personal qualities and commitment are also important. Entrance requirements vary from one medical school to another, so students are urged to consult the catalog of the medical school of their interest early in their undergraduate enrollment in order to be informed of exact entrance requirements.

Chemistry may be claimed as a minor by completing 3 additional 300- or 400-level chemistry courses (p. 203).

### High School Preparation

Preparation for medical school demands much specific high school preparation. Ideally, the pre-medicine student should have a good understanding of the basic physical sciences, a highly developed ability in mathematics, and the competence to read rapidly and with comprehension. The minimum adequate preparation includes 2 units of algebra, 1 unit each of plane geometry, advanced mathematics (trigonometry and analytical geometry or precalculus), chemistry, and physics.

Students not prepared to enter directly into the pre-medicine curriculum will be able to make up certain deficiencies. In this case, time required to complete the pre-medicine emphasis could be expected to increase

### Academic Requirements

Students must have at least a "B-" in all biology, chemistry, and physics courses (seniors may appeal any particular course taken during their final year to the Chair of Natural Sciences).



**Academic Program Fee**

\$145 per semester or 3 payments of \$48.33 (p. 21)

**Pre-Medicine Emphasis**

Recommended Course Sequence

**FRESHMAN****Fall**

BI 105	Old Testament Introduction . . . . .	2
BY 111	General Biology I . . . . .	4
CH 111	General Chemistry I . . . . .	4
EN 121	English Grammar/Composition I . . . . .	3
HI 101	History of Civilization . . . . .	3
<b>Total Hours</b>		<b>16</b>

**Spring**

BI 205	New Testament Introduction . . . . .	2
BY 112	General Biology II . . . . .	4
CH 112	General Chemistry II . . . . .	4
EN 126	English Grammar/Composition II . . . . .	3
SP 101	Fundamentals of Speech . . . . .	3
<b>Total Hours</b>		<b>16</b>

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .	2
BY 311	Anatomy and Physiology I . . . . .	4
CH 211	Organic Chemistry I . . . . .	4
MA221	Calculus I . . . . .	4
<b>Total Hours</b>		<b>14</b>

BI 322	Bible Doctrines . . . . .	2
BY 306	General Microbiology . . . . .	4
BY 312	Anatomy and Physiology II . . . . .	4
CH 212	Organic Chemistry II . . . . .	4
<b>Total Hours</b>		<b>14</b>

**JUNIOR**

BI 370	Worldview and Apologetics . . . . .	2
BY 331	Genetics . . . . .	4
PS 211	Introduction to Psychology . . . . .	3
PY 211	College Physics I <sup>1</sup> . . . . .	4
SC 231	Sociology for Health Professionals . . . . .	3
<b>Total Hours</b>		<b>16</b>

BY 422	Cell Biology . . . . .	4
CH 306	Biochemistry . . . . .	4
PS 409	Abnormal Psychology . . . . .	3
PY 212	College Physics II <sup>1</sup> . . . . .	4
SC 392	Pre-Health Preparation Seminar . . . . .	1
<b>Total Hours</b>		<b>16</b>

**SENIOR**

BI	Bible Elective . . . . .	2
BY/CH	Elective (300- or 400-level) <sup>2</sup> . . . . .	3
MA326	Statistics . . . . .	3
PR 411	Biblical Ethics . . . . .	3
	Minor or Elective . . . . .	3
<b>Total Hours</b>		<b>14</b>

CR 370	Origins . . . . .	2
EN 210	Introduction to Literature . . . . .	3
HI 102	History of Civilization . . . . .	3
	Minor or Electives . . . . .	6
<b>Total Hours</b>		<b>14</b>

<sup>1</sup>May take PY 231–232 in place of PY 211–212.<sup>2</sup>SC 442 Pharmacology may be taken to fulfill this requirement; BY 450 Biotechnology may not be taken to fulfill this requirement.

## PRE-PHARMACY EMPHASIS

**The purpose of the pre-pharmacy emphasis** is to prepare students for admission to and successful completion of pharmacy school.

**Additional Learning Outcome:** Graduates of the pre-pharmacy emphasis will also be able to demonstrate proficiency in entrance requirements for pharmacy school.

The pre-pharmacy emphasis gives students a strong foundation in science and mathematics and a broad, liberal arts education. Other important skills students acquire are strong reading comprehension and retention, quick understanding of concepts, logical thinking, decision-making, and communication.

Knowledge of science is very important to understanding medicine. Admission requirements to pharmacy schools may require you to take the Pharmacy College Admission Test (PCAT), which tests knowledge of biology, chemistry, and verbal and quantitative skills.

Admission to pharmacy school in the United States is very selective. Pharmacy schools are admitting only students who have excellent grades and admission test scores and who show skills necessary to excel in the profession. Personal qualities and commitment are important. Entrance requirements vary from one pharmacy school to another, and students are urged to consult the catalog of the pharmacy school of their choice early in their undergraduate enrollment in order to be informed of exact entrance requirements.

Chemistry may be claimed as a minor by completing 6 credits of CH electives (300- or 400-level) in addition to minor requirements (p. 203).

### High School Preparation

Preparation for pharmacy school demands much specific high school preparation. Ideally, students should have a good understanding of basic physical sciences, a highly developed ability in mathematics, and competence to read rapidly and with comprehension. The minimum adequate preparation includes 2 units of algebra and 1 unit each of plane geometry, advanced mathematics (trigonometry and analytical geometry or precalculus), chemistry, and physics.

Students not prepared to enter directly into the pre-pharmacy curriculum will be able to make up certain deficiencies. In this case, time required to complete the pre-pharmacy emphasis could be expected to increase.

### Academic Program Fee

\$145 per semester or 3 payments of \$48.33 (p. 21)

## Pharmacy School Affiliation Agreements

Pensacola Christian College has partnered with Cedarville and Union universities to provide a pathway for students to receive a guaranteed interview or direct admission to the Doctor of Pharmacy (Pharm.D.) program at these schools by meeting conditions of the specific agreements. General eligibility requirements include prescribed undergraduate coursework, minimum cumulative 3.00 GPA, and a grade of “C” or higher in all prerequisite courses. Contact the Chair of Natural Sciences for specific requirements.

## Reverse Transfer Option

Pharmacy schools do not require students to graduate with a bachelor’s degree before entering pharmacy school. To be eligible for admission, students must meet certain entrance requirements, including approximately 90 credits of prescribed undergraduate coursework.

With the reverse transfer option, students may earn the B.S. in Natural Sciences, Pre-Pharmacy degree by successfully completing the first three years of courses required for the pre-pharmacy emphasis (92 total credits), including all liberal arts requirements, and one year (minimum of 28 semester hours) from an accredited pharmacy school. This option allows completion of both the bachelor’s and Pharm.D. degrees in as few as 7 years. After completing the first year of the Pharm.D. curriculum, students must submit an official transcript to PCC to be awarded the Bachelor of Science degree.

## Pre-Pharmacy Emphasis

### Recommended Course Sequence

#### FRESHMAN

Fall		Spring	
BI 105	Old Testament Introduction . . . . . 2	BI 205	New Testament Introduction . . . . . 2
BY 111	General Biology I . . . . . 4	BY 112	General Biology II . . . . . 4
CH 111	General Chemistry I . . . . . 4	CH 112	General Chemistry II . . . . . 4
EN 121	English Grammar/Composition I . . 3	EN 126	English Grammar/Composition II . 3
		SP 101	Fundamentals of Speech . . . . . 3
<b>Total Hours</b> . . . . .	<b>13</b>	<b>Total Hours</b> . . . . .	<b>16</b>

#### SOPHOMORE

BI 321	Bible Doctrines . . . . . 2	BI 322	Bible Doctrines . . . . . 2
CH 211	Organic Chemistry I . . . . . 4	BY 306	General Microbiology . . . . . 4
HI 101	History of Civilization . . . . . 3	CH 212	Organic Chemistry II . . . . . 4
MA221	Calculus I . . . . . 4	HI 102	History of Civilization . . . . . 3
MA326	Statistics . . . . . 3	SC 242	Basics of Pharmacy Practice . . . 2
<b>Total Hours</b> . . . . .	<b>16</b>	<b>Total Hours</b> . . . . .	<b>15</b>

## JUNIOR

## Fall

BI	Bible Elective.....	2
BY 311	Anatomy and Physiology I.....	4
BY 331	Genetics.....	4
CR 370	Origins.....	2
PY 211	College Physics I*.....	4
<b>Total Hours.....</b>		<b>16</b>

## Spring

BI 370	Worldview and Apologetics.....	2
BY 312	Anatomy and Physiology II.....	4
CH 306	Biochemistry.....	4
EN 210	Introduction to Literature.....	3
PR 411	Biblical Ethics.....	3
<b>Total Hours.....</b>		<b>16</b>

## SENIOR

HI 300	History and Principles of Free-Market Economics.....	3
PS 211	Introduction to Psychology.....	3
SC 231	Sociology for Health Professionals.....	3
SC 442	Pharmacology.....	4
<b>Total Hours.....</b>		<b>13</b>

PS 409	Abnormal Psychology.....	3
PY 212	College Physics II*.....	4
SC 218	Elements of Nutrition.....	3
SC 392	Pre-Health Preparation Seminar.....	1
SP 410	Oral Communication in the Professions.....	2
	Minor or Elective.....	2
<b>Total Hours.....</b>		<b>15</b>

\*May take PY 231–232 in place of PY 211–212.

## PRE-PHYSICAL THERAPY EMPHASIS

The purpose of the pre-physical therapy emphasis is to prepare students to pursue graduate work in the area of physical therapy.

**Additional Learning Outcome:** Graduates of the pre-physical therapy emphasis will also be able to demonstrate proficiency in entrance requirements for physical therapy school.

The pre-physical therapy emphasis gives students a strong science background and a broad, liberal arts education including skills in decision-making and communication. A person who has an attitude of service and who loves people should consider a pre-physical therapy emphasis.

Admission to physical therapy programs is competitive. Outstanding candidates will have excellent grades, documented observation/assistance with a licensed physical therapist, ability to perform well on interviews, and excellent performance on the Graduate Record Examination (GRE). Entrance requirements to physical therapy programs vary from one school to another, so students are encouraged to consult the catalog of the graduate school of their choice early in their undergraduate enrollment in order to be informed of exact admission requirements. Since entrance into physical therapy schools is very competitive, an undergraduate GPA of 3.50 or higher is commonly needed for acceptance.

### High School Preparation

Recommended high school preparation for a pre-physical therapy emphasis is 2 units of algebra and 1 unit each of plane geometry, biology, and chemistry. Opportunities are available to make up certain deficiencies. In this case, time required to complete a pre-physical therapy emphasis could be expected to increase.

**Academic Program Fee**

\$130 per semester or 3 payments of \$43.33 (p. 21)

**Affiliation Agreement**

Pensacola Christian College has partnered with Cedarville University to provide a pathway for students to receive a guaranteed interview to the Master of Athletic Training (M.A.T.) program by meeting conditions of the specific agreement. Contact the Chair of Natural Sciences for specific requirements.

**Pre-Physical Therapy Emphasis**

Recommended Course Sequence

**FRESHMAN**

Fall		Spring	
BI 105	Old Testament Introduction . . . . .2	BI 205	New Testament Introduction . . . . .2
BY 111	General Biology I . . . . .4	BY 112	General Biology II . . . . .4
CH 111	General Chemistry I . . . . .4	CH 112	General Chemistry II . . . . .4
EN 121	English Grammar/Composition I .3	EN 126	English Grammar/Composition II .3
MA	Mathematics Elective . . . . .3	SP 101	Fundamentals of Speech . . . . .3
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .16</b>	

**SOPHOMORE**

BI 321	Bible Doctrines . . . . .2	BI 322	Bible Doctrines . . . . .2
BY 311	Anatomy and Physiology I . . . . .4	BY 312	Anatomy and Physiology II . . . . .4
HI 101	History of Civilization . . . . .3	HI 102	History of Civilization . . . . .3
PM 218	Sport Nutrition . . . . .3	MA	Mathematics Elective . . . . .3
PS 211	Introduction to Psychology . . . . .3	SC 299	Research Methods . . . . .2
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .14</b>	

**JUNIOR**

CR 370	Origins . . . . .2	BI 370	Worldview and Apologetics . . . . .2
EN 210	Introduction to Literature . . . . .3	BY 306	General Microbiology . . . . .4
MA326	Statistics <sup>1</sup> . . . . .3	OA 221	Anatomical Terminology I . . . . .3
PY 211	College Physics I . . . . .4	PY 212	College Physics II . . . . .4
SC 231	Sociology for Health Professionals . . . . .3	SC 352	Physical Therapy Observation Internship <sup>2,4</sup> . . . . .1
SC 351	Physical Therapy Observation Internship <sup>2,3</sup> . . . . .1	SC 392	Pre-Health Preparation Seminar . .1
<b>Total Hours . . . . .16</b>		<b>Total Hours . . . . .15</b>	

**SENIOR**

BI	Bible Elective . . . . .2	BY 442	Biomechanics . . . . .4
BY 441	Exercise Physiology . . . . .4	PE 225	First Aid . . . . .2
BY/CH	Elective (300- or 400-level) . . . . .3	PR 411	Biblical Ethics . . . . .3
PE 321	Kinesiology . . . . .2	PS 409	Abnormal Psychology . . . . .3
PE 324	Care of Athletic Injuries . . . . .1		Minor or Elective . . . . .1
PS 323	Developmental Psychology . . . . .3		
<b>Total Hours . . . . .15</b>		<b>Total Hours . . . . .13</b>	

<sup>1</sup>Must meet MA 131 prerequisite.

<sup>2</sup>Requires minimum 2.75 GPA. Students who do not meet the prerequisite must take PE 191 in place of SC 351/352.

<sup>3</sup>Taken during Interterm.

<sup>4</sup>May be taken during summer.

# NURSING DEPARTMENT

*Division of Arts and Sciences*

Miss Heather Hartkopf, Chair

## Undergraduate Degree

**Bachelor of Science  
in Nursing**

**198 Nursing Major**

## Graduate degree

(See Seminary & Graduate Studies Catalog.)

**Master of Science in Nursing**



## NURSING MAJOR

### BACHELOR OF SCIENCE IN NURSING DEGREE

**The purpose of the nursing major** is for the students to learn to apply both scriptural and scientific methods to nursing services rendered to individuals, families, and communities. The accomplishment of this dual goal encompasses biblical concepts about the relationships between God and man, man and fellow man, and man and the physical universe.

**Learning Outcomes:** Graduates of the nursing program will be able to

- apply knowledge from nursing, informatics, and interdisciplinary fields in order to implement the nursing process;
- establish therapeutic relationships with individuals, families, populations, and interdisciplinary teams;
- integrate an understanding of healthcare systems into the provision of high-quality, evidence-based, cost-effective care for all people and populations;
- apply leadership skills to make moral and ethical decisions based on legal standards and biblical principles; and
- demonstrate the personal and professional skills necessary to obtain licensure and enter the nursing profession.

PCC's nursing program is developed around the theme of nursing as an expression of God's love through service to man. The ramifications of such nursing responsibilities as comforting, strengthening, educating, maintaining, and motivating are explored in depth.

The nursing department strives to prepare nurses who can function with a high degree of autonomy in a variety of situations throughout the world. Furthermore, the program is designed to anticipate increased diversity in nursing practice and career patterns. Therefore, the curriculum offers basic preparation in all major areas of nursing and includes a focus on developing clinical leadership skills. Students also have opportunities for concentrated study in an area of clinical interest.

#### **Accreditation and Authorization**

The baccalaureate degree in nursing at Pensacola Christian College is accredited by the Commission on Collegiate Nursing Education ([www.ccnaccreditation.org](http://www.ccnaccreditation.org)).

PCC's nursing program is approved by the Florida State Board of Nursing.

### **High School Preparation**

High school preparation for nursing should include three units of English; at least two units of mathematics, one of which must be algebra; and two units of science, one of chemistry and one of biology. In addition, applicants should earn at least an ACT composite score of 20, CLT total score of 66, or SAT total score of 1030. Opportunities are available to make up certain deficiencies. In this case, time required to complete a nursing degree should be expected to increase.

### **Personal Character**

No student will be permitted to enroll in the nursing program unless he or she has clearly established the highest standards of Christian character and deportment. References from the applicant's pastor, principal, guidance counselors, and previous employers are secured whenever possible. Such references receive top priority in the admission process. Prior to beginning clinical experiences, local healthcare facilities require all nursing students to complete a background check. Students must have satisfactory results in order to participate in clinicals.

### **Residence Requirements**

All students in this program are required to be full-time students taking a minimum of 12 semester hours. First consideration for acceptance into the program will be given to residence hall students. PCC does not provide residence hall living space for married students or their families.

### **Plan of Study**

All students who want to major in nursing start as pre-nursing students. Typically, pre-nursing requirements can be completed in one year. Students who score below the required ACT/CLT/SAT composite scores will be placed into a two-year pre-nursing sequence. Students in the one-year pre-nursing sequence who test into EN 099 Basic English Language will be required to take EN 121 English Grammar and Composition I or EN 126 English Grammar and Composition II online during Interterm or summer (see p. 19 for cost). Students who want to take a reduced load may also choose the two-year pre-nursing sequence. Students contemplating transferring into PCC's nursing department should have their program of study approved by the Registrar.

### **Academic and Progression Requirements**

Enrollment in the nursing major is limited based on clinical availability and is contingent upon successful completion of pre-nursing requirements. Objective criteria used in determining the members of each nursing class include academic performance and results of the



Kaplan Nursing Admission Test given to pre-nursing students in the spring. In addition, all pre-nursing students are evaluated for ability to properly convey ideas in a written format. An interview with a nursing faculty member may also be required.

Pre-nursing preparatory courses are BY 105 Principles of Biology, BY 201 General Anatomy and Physiology, CH 107 Chemistry for the Allied-Health Professional, MA 121 College Algebra I, and NU 128 Introduction to Nursing Practice. To be considered for the nursing major, students must earn at least a “C-” in these courses and cannot be on Academic Warning or Probation.

Nursing students receiving an unsatisfactory grade of “D,” “F,” or “WF” are considered to have failed the nursing course. A student may take a nursing course once and repeat it once for a total of two times. Students who fail three of the following courses will be removed from the nursing major—any clinical or corresponding lecture course (clinical or theory), NU 226 Pathophysiology, and any nursing course NU 401 or higher.

Throughout their education, nursing students take standardized tests, which are indicators of NCLEX-RN readiness. To help assure the student’s future NCLEX success:

1. students who fail to achieve established scores on end-of-semester standardized tests will be given the opportunity for remediation work, and
2. students who fail to achieve the established score on a standardized exit exam and meet other objective criteria will be given the opportunity to take NU 490 Nursing NCLEX-RN Review during Post-term and will be required to pass this course to graduate with a nursing major.

### **Health Policies**

In addition to the health regulations for all entering students, all students who are admitted to the nursing major must complete a physical examination, annual skin or blood testing for tuberculosis, tetanus toxoid if 10 years since last immunization, record of immunizations including 2 measles, mumps and rubella (MMR) and 2 varicella vaccinations, hepatitis B vaccination, COVID-19 vaccination, and annual influenza vaccinations. Local healthcare facilities require confirmation that these requirements have been met before students can complete clinicals or preceptorships. The completed medical/health form is to be on record by June 15 annually. Throughout the program, emphasis is placed on the student nurses to be responsible for their own health. Each student must have proof of adequate medical insurance.

### **Clinical Facilities**

All clinical activities are supervised by the College nursing faculty. Students receive their clinical experience in a number of healthcare facilities, including several large hospitals located in the Pensacola area.

### **Licensure**

Upon successfully completing the nursing curriculum, graduates will be awarded the Bachelor of Science in Nursing degree and are eligible to sit for the U.S. NCLEX-RN examination in all 50 states, the District of Columbia, and all U.S. territories.

### **Academic Program Fee**

\$150 per semester or 3 payments of \$50 (p. 21)

### **Service Fees**

1. Uniforms are purchased and laundered by the student.
  2. Nursing students must provide their own transportation to and from all clinical experiences.
  3. National standardized exams must be taken periodically at student expense. The Kaplan Nursing Admission Test taken the last semester of the pre-nursing sequence is \$30 (price subject to change).
  4. Nursing students are responsible for all costs associated with submission and verification of annual health forms, background checks, and 10-panel drug screenings required by local healthcare facilities to be completed within 90 days prior to beginning their clinical experience and randomly as deemed necessary. Students must have satisfactory results in order to participate in clinicals.
  5. Each student will have malpractice insurance through the College.
- General expenses are the same as for other students (pp. 19–22).

## Pre-Nursing

### Recommended Course Sequence

#### FRESHMAN

Fall	Spring
BI 105 Old Testament Introduction . . . . .2	BI 205 New Testament Introduction . . . . .2
BY 105 Principles of Biology . . . . .4	BY 201 General Anatomy & Physiology . . 4
CH 107 Chemistry for the Allied-Health Professional . . . . .4	EN 126 English Grammar/Composition II .3
EN 121 English Grammar/Composition I . .3	MA 121 College Algebra I . . . . .3
HI 101 History of Civilization or	NU 128 Introduction to Nursing Practice . . 1
HI 102 History of Civilization . . . . .3	SP 101 Fundamentals of Speech . . . . .3
<b>Total Hours</b> . . . . .16	<b>Total Hours</b> . . . . .16

## Nursing Major

### Recommended Course Sequence

#### SOPHOMORE

BI 321 Bible Doctrines . . . . .2	BI 322 Bible Doctrines . . . . .2
BY 202 General Anatomy & Physiology . .4	BY 206 Microbiology . . . . .4
NU 203 Foundations of Professional Nursing . . . . .4	NU 207 Beginning Medical-Surgical Nursing . . . . .4
NUL 203 Foundations of Professional Nursing Clinical . . . . .1	NUL 207 Beginning Medical-Surgical Nursing Clinical . . . . .1
NU 214 Pharmacology . . . . .2	NU 210 Nursing Informatics . . . . .1
NU 215 Physical Assessment . . . . .2	NU 226 Pathophysiology . . . . .3
NU 218 Nutrition . . . . .1	NU 314 Advanced Pharmacology . . . . .1
<b>Total Hours</b> . . . . .16	<b>Total Hours</b> . . . . .16

#### JUNIOR

BI 370 Worldview and Apologetics . . . . .2	BI Bible Elective . . . . .2
NU 305 Maternity Nursing . . . . .4	CR 370 Origins . . . . .2
NUL 305 Maternity Nursing Clinical . . . . .2	NU 307 Medical-Surgical Nursing . . . . .4
NU 306 Psychiatric-Mental Health Nursing . . . . .3	NUL 307 Medical-Surgical Nursing Clinical . . . . .2
NUL 306 Psychiatric-Mental Health Nursing Clinical . . . . .2	NU 308 Pediatric Nursing . . . . .3
PS 206 General Psychology . . . . .1	NUL 308 Pediatric Nursing Clinical . . . . .2
PS 323 Developmental Psychology . . . . .3	
<b>Total Hours</b> . . . . .17	<b>Total Hours</b> . . . . .15

#### SENIOR

NU 401 Community Health Nursing . . . . .3	EN 210 Introduction to Literature . . . . .3
NUL 401 Community Health Nursing Clinical . . . . .2	NU 408 Preceptorship . . . . .6
NU 406 Nursing Research and Statistics . .3	NU 410 Issues and Trends in Professional Nursing . . . . .3
NU 407 Adv. Medical-Surgical Nursing . .3	NU 412 Senior Nursing Seminar . . . . .3
NUL 407 Advanced Medical-Surgical Nursing Clinical . . . . .2	
PR 411 Biblical Ethics . . . . .3	
<b>Total Hours</b> . . . . .16	<b>Total Hours</b> . . . . .15



# MINORS

Students should consult course prerequisites to determine how to fit minor requirements into the course sequence of their chosen major. There must be 9 distinct credits between the major and minor.

## ACCOUNTING

AC 231–32 Principles of Accounting I, II . . .	6
AC 301 Cost Accounting . . . . .	3
AC 331–32 Intermediate Financial Accounting I, II . . . . .	6
AC 403 Principles of Taxation <b>or</b>	
AC 462 Auditing . . . . .	3
BA 301–2 Corporate Finance . . . . .	6
<b>Total Hours Required . . . . .</b>	<b>24</b>

## ADVERTISING

AR 120 Digital Typography . . . . .	3
AR 201 Design Fundamentals I . . . . .	3
AR 220 Digital Graphics . . . . .	3
AR 267 Graphic Design I . . . . .	3
BA 313 Public Relations . . . . .	3
MK 202 Professional Selling . . . . .	3
MK 204 Principles of Marketing . . . . .	3
PW 301 Copywriting . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>24</b>

## BIBLICAL LANGUAGES

BL 101–2 Elementary Greek . . . . .	8
BL 201–2 Intermediate Greek . . . . .	6
BL 445–46 Elementary Hebrew . . . . .	6
<b>Total Hours Required . . . . .</b>	<b>20</b>

## BIOLOGY

BY 111–12 General Biology I, II . . . . .	8
BY Biology Electives (200-level or above) . . .	8
BY Biology Elective (300- or 400-level) . . . .	4
<b>Total Hours Required . . . . .</b>	<b>20</b>

## BUSINESS TECHNOLOGY

BA 101 Introduction to Business . . . . .	2
BA 217 e-Business Systems . . . . .	3
BA 330 Computer Applications for Business . . . . .	3
BA 403 Business Communications . . . . .	3
CS 101 Introduction to Computer Applications . . . . .	1
CS 211 Introduction to Web Design . . . . .	3
CS 405 Computer Hardware Maintenance . . .	3
OA 411 Desktop Publishing . . . . .	3
<b>Total Hours Required . . . . .</b>	<b>21</b>

## CHEMISTRY

CH 111–12 General Chemistry I, II . . . . .	8
CH 211–12 Organic Chemistry I, II . . . . .	8
CH Chemistry Electives (300- or 400-level) . . . . .	7
<b>Total Hours Required . . . . .</b>	<b>23</b>

Students should consult course prerequisites to determine how to fit minor requirements into the course sequence of their chosen major. There must be 9 distinct credits between the major and minor.

## COMPUTER SCIENCE

CS 130	Introduction to Information Technology	2
CS 202	Introduction to Programming	3
CS 214	C Programming	3
CS 227	Data Structures and Algorithms	3
CS 271	Computer Security	3
CS 405	Computer Hardware Maintenance	3
CS	Computer Science Electives (200-level or above)	6
<b>Total Hours Required</b>		<b>23</b>

## CRIMINAL JUSTICE

CJ 101	Introduction and Orientation to Criminal Justice	3
CJ 105	Theory of Patrol <b>or</b>	
CJ 106	Basic Criminal Investigation	3
CJ 108	Criminal Law	3
CJ 216	Criminology	3
CJ	Criminal Justice Elective (200-level or above)	3
CJ	Criminal Justice Elective (300- or 400-level)	3
<b>Total Hours Required</b>		<b>18</b>

## DIGITAL MEDIA\*

AR 120	Digital Typography	3
AR 218	Photography I	3
AR 220	Digital Graphics	3
AR 241	Introduction to the Mass Media	3
AR 323	Principles of Digital Multimedia Technology	3
AR 324	Digital Multimedia Production	3
AR 364	Media Studio Production	3
CS 211	Introduction to Web Design	3
<b>Total Hours Required</b>		<b>24</b>

\*See Technology Requirements (p. 133).

## E-BUSINESS MANAGEMENT

BA 203	Principles of Management	3
BA 217	e-Business Systems	3
BA 317	Small Business Entrepreneurship*	3
BA 431	Contemporary Issues in e-Business	3
MK 204	Principles of Marketing	3
MK 417	Internet Marketing	3
<b>Total Hours Required</b>		<b>18</b>

\*Must meet accounting prerequisite.

## EDUCATION

ED 101	Philosophy of Christian Education	3
ED 322	Educational Psychology	3
EE 201	Materials and Methods <b>or</b>	
SE 201	General Teaching Methods	3
ED/EE/SE 210	Early Childhood/Elem./ Sec. Education Practicum	1
<b>any one of the following...</b>		
ED 413	Child Growth and Development	3
ED 415	Adolescent Growth and Development	3
EE 207	Early Childhood Development	2
<b>education electives (5 or 6 hours)...</b>		
ED 102	Personal and Community Health	2
ED 211	Education Field Experience	1
ED 219	Teaching the Reluctant Learner	2
ED 301	Tests and Measurements	1
ED 306	Computer Applications in Education*	1
EE 205	Intensive Phonics Instruction	2
EE 412	Children's Literature	2
SE 321	Teaching Reading Skills for the Secondary Student	2
ED/EE/SE 310	Early Childhood/Elem./ Sec. Education Practicum	1
<b>Total Hours Required</b>		<b>18</b>

\*Must meet CS 101 prerequisite.

## ENGLISH

EN 251	British Literature	3
EN 252	American Literature	3
EN 360	Advanced English Grammar and Composition	3
EN	English Electives (300- or 400-level)	9
<b>Total Hours Required</b>		<b>18</b>

## FINANCE

AC 231	Principles of Accounting I	3
AC 232	Principles of Accounting II	3
BA 301	Corporate Finance	3
BA 302	Corporate Finance	3
FN 310	Financial Institutions	3
FN 315	Principles of Investments	3
FN 433	International Finance	3
<b>Total Hours Required</b>		<b>21</b>

Students should consult course prerequisites to determine how to fit minor requirements into the course sequence of their chosen major. There must be 9 distinct credits between the major and minor.

## GRAPHIC DESIGN

AR 111	Principles of Drawing	3
AR 120	Digital Typography	3
AR 201	Design Fundamentals I	3
AR 220	Digital Graphics	3
AR 267–68	Graphic Design I, II	6
<b>Total Hours Required</b>		<b>18</b>

## HISTORY

HI 201–2	United States History	6
HI 211	World Geography	3
HI	History Electives* (300- or 400-level)	6
PL 207	Introduction to Political Science	3
<b>Total Hours Required</b>		<b>18</b>

\*BB 411 and BB 412 count as 2-credit history electives except for Bible majors.

## MANAGEMENT

AC 231–32	Principles of Accounting I, II	6
BA 201	Business Law	3
BA 203	Principles of Management	3
BA 330	Computer Applications for Business*	3
BA 403	Business Communications	3
SP 410	Oral Communication in the Professions	2
<b>Total Hours Required</b>		<b>20</b>

\*Must meet CS 101 prerequisite; students with computing major may replace BA 330 with PW 305, providing prerequisite is met.

## MARKETING

BA 203	Principles of Management	3
BA 313	Public Relations	3
MK 202	Professional Selling	3
MK 204	Principles of Marketing	3
MK 307	Advertising	3
MK 308	Retailing	3
<b>Total Hours Required</b>		<b>18</b>

## MATHEMATICS

MA 221–22	Calculus I, II	8
MA	Mathematics Electives*	12
<b>Total Hours Required</b>		<b>20</b>

\*Must be 4 courses (MA 224 or higher). EG 341 counts as a mathematics elective.

## MISSIONS

MI 201	History of Missions	2
MI 202	Promotion of Missions	2
MI 301–2	Principles and Methods of Missions	4
MI 403	Cultural Anthropology	3
PR	Practical Training Elective	3
	Missions Electives	4
	Electives from which to choose: EE 330, MI 207, 208, 209, 210, 406, or 412	
<b>Total Hours Required</b>		<b>18</b>

## MUSIC—INSTRUMENTAL EMPHASIS\*

MU 101–2	Music Theory I, II	8
MU 226	Choral Methods	2
MU 312	Instrumental Materials and Methods	2
	131–332 Private Instrument	6
ST 141–342	Orchestra	6
<b>Total Hours Required</b>		<b>24</b>

\*Minor requirements (p. 140)

## MUSIC—KEYBOARD EMPHASIS\*

MU 101–2	Music Theory I, II	8
MU 226	Choral Methods	2
MU 335	Piano Materials and Methods	2
MU	Hymnplaying	2
PI 131–332	Private Piano	6
	Ensemble	4
<b>Total Hours Required</b>		<b>24</b>

\*Minor requirements (p. 140)

## MUSIC—VOCAL EMPHASIS\*

MU 101–2	Music Theory I, II	8
MU 226	Choral Methods	2
MU 313	Communication in Song	1
MU 327	Voice Materials and Methods	2
VO 121–22	Vocal Instruction	2
VO 231–332	Private Voice	4
	Ensemble	5
<b>Total Hours Required</b>		<b>24</b>

\*Minor requirements (p. 140)

Students should consult course prerequisites to determine how to fit minor requirements into the course sequence of their chosen major. There must be 9 distinct credits between the major and minor.

**MUSIC MINISTRIES**

CC 131–232 College Choir..... 4  
 MU 100 Foundations of Church Music..... 4  
 MU 105–6 Beginning Hymnplaying<sup>1</sup> or  
 PI 101–2 Piano Class<sup>2</sup>..... 2  
 MU 121–22 Vocal Class I, II..... 2  
 MU 226 Choral Methods ..... 2  
 MU 402 Church Music Philosophy  
 and Administration ..... 2  
 Private Music ..... 4  
**Total Hours Required ..... 20**

<sup>1</sup>Keyboard emphasis  
<sup>2</sup>Vocal or instrumental emphasis

**OFFICE ADMINISTRATION**

BA 220 Business English ..... 3  
 BA 330 Computer Applications for  
 Business ..... 3  
 BA 403 Business Communications ..... 3  
 CS 101 Introduction to Computer  
 Applications..... 1  
 OA 101 Beginning Keyboarding..... 3  
 OA 201 Intermediate Keyboarding..... 4  
 OA 210 Records Management ..... 2  
**Total Hours Required ..... 19**

**PERFORMANCE STUDIES\***

SP 102 Fundamentals of Speech..... 3  
 SP 201 Voice and Diction ..... 2  
 SP 203 Oral Interpretation of Poetry..... 2  
 SP 204 Oral Interpretation of Dramatic  
 and Narrative Literature ..... 2  
 SP 240 Stagecraft ..... 3  
 SP 244 Stage Movement ..... 2  
 SP 304 Fundamentals of Acting..... 3  
 SP 341–42 Performance Studio ..... 2  
**Total Hours Required ..... 19**

\*Minor requirements (p. 145)

**PHYSICAL EDUCATION\***

PE 184 Fall Team Sports ..... 2  
 PE 187 Spring Team Sports..... 2  
 PE 191 Sport Physiology ..... 2  
 PE 196 Introduction to Coaching..... 1  
 PE 210 History, Principles, and Philosophy  
 of Physical Education ..... 2  
 PE 225 First Aid ..... 2  
 PE 301 Organization and Administration  
 of Physical Education..... 2  
 PE 321 Kinesiology ..... 2  
 PE 324 Care of Athletic Injuries ..... 1  
 PE 368 Developing Fitness Programs .... 2  
 PE Coaching Electives ..... 6  
**Total Hours Required ..... 24**

\*Minor requirements (p. 123)

**POLITICAL SCIENCE<sup>1</sup>**

PL 101 American Political Heritage..... 3  
 PL 207 Introduction to Political Science... 3  
 PL 304 American Government ..... 3  
 PL 402 Political Theory ..... 3  
 PL Political Science Electives<sup>2</sup>..... 9  
**Total Hours Required ..... 21**

<sup>1</sup>BI 414 must be taken as 2 hours of the BI requirement.  
<sup>2</sup>HI 300 may be taken as a PL elective.

**SPANISH**

ML 121–22 Elementary Spanish I, II..... 6  
 ML 221–22 Intermediate Spanish I, II .... 6  
 ML 321–22 Spanish Conversation  
 and Composition..... 6  
**Total Hours Required ..... 18**

**SPECIAL EDUCATION**

ED 101 Philosophy of Christian Education.. 3  
 ED 251 Introduction to Music Education or  
 EE 201 Materials and Methods or  
 SE 201 General Teaching Methods ..... 3  
 ED 260 Introduction to Special Education .. 3  
 ED 361 Instructional Methods for  
 Exceptional Learners..... 3  
 ED 362 Classroom and Behavior  
 Management ..... 3  
 ED 363 Family and Professional  
 Partnerships..... 3  
 ED 364 Special Education Assessment  
 and Planning ..... 3  
**Total Hours Required ..... 21**

## MINORS

Students should consult course prerequisites to determine how to fit minor requirements into the course sequence of their chosen major. There must be 9 distinct credits between the major and minor.

### STUDIO ART

AR 101	Drawing I	3
AR 102	Drawing II	3
AR 201	Design Fundamentals I	3
AR 203	Basic Painting I	3
AR 204	Basic Painting II	3
AR 303	Advanced Drawing	3
AR 304	Advanced Painting	3
<b>Total Hours Required</b>		<b>21</b>

### WEB DEVELOPMENT

AR 120	Digital Typography	3
AR 220	Digital Graphics	3
AR 402	Web Design I	3
CS 202	Introduction to Programming	3
CS 211	Introduction to Web Design	3
CS 367	Client-Side Web Programming	3
CS 368	Server-Side Web Programming	3
<b>Total Hours Required</b>		<b>21</b>

### WRITING

EN 301	Creative Writing	3
EN 360	Advanced English Grammar and Composition	3
PW 302	Copy Editing	3
PW 325	Journalism I	3
English/Professional Writing Electives		9
Electives from which to choose: EN 401, PW 301, 326, or 404		
<b>Total Hours Required</b>		<b>21</b>





# COURSE DESCRIPTIONS

## Accounting

**AC 231 Principles of Accounting I (3 credits)** This course provides a foundational understanding of financial accounting. In addition to the accounting cycle and the basics of accounting systems, specific issues related to cash, accounts receivable, inventories, and fixed assets are also learned. The student presents information on the income statement, statement of owner's equity, and the balance sheet in good form and order. *Required for AC 232, OA 214.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**AC 232 Principles of Accounting II (3 credits)** *Prereq.: At least "C-" in AC 231.* This course provides a study of financial accounting with an emphasis on corporations. Students demonstrate knowledge in accounting for investments, current and long-term liabilities, and stockholder's equity as well as preparation and presentation of the statement of cash flows and financial statement analysis. Selected managerial accounting topics are also presented. *Required for AC 301, 305, 331, 403; BA 301.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**AC 301 Cost Accounting (3 credits)** *Prereq.: At least "C-" in AC 232.* The student will apply cost accounting principles and procedures in the computation and recording of job order and process and standard costing. The student will also prepare and use cost reports to control organizational costs. *Required for AC 302.* Fall.

**AC 302 Advanced Cost Accounting (3 credits)** *Prereq.: At least "C-" in AC 301.* Students will learn how to employ cost functions to forecast and report financial results. Formulating and executing strategic decisions is an underlying theme of this course. Fall even.

**AC 305 Managerial Cost Accounting (3 credits)** *Prereq.: AC 232.* Students use accounting information (such as cost behavior and analysis, inventory costing, overhead allocation, budgeting, standard costing, and variance analysis) to make informed managerial decisions. Computerized spreadsheets are used extensively for modeling and analysis. AC 305 may not be taken as an AC elective by accounting concentration. Fall.

**AC 331 Intermediate Financial Accounting I (3 credits)** *Prereq.: At least "C-" in AC 232.* Students learn the organizations and concepts that influence accounting theory and practice and gain a practical knowledge of the presentation and evaluation of the four basic financial statements. Current accounting literature and professional pronouncements are an integral part of this course. Meets 4 hours a week. *Required for AC 332.* Fall.

**AC 332 Intermediate Financial Accounting II (3 credits)** *Prereq.: At least "C-" in AC 331.* Students demonstrate understanding of specific elements of the financial statements including inventories, fixed assets, leases, bonds, and pensions. Both practical and conceptual issues are addressed. Current accounting literature and professional pronouncements are an integral part of this course. Meets 4 hours a week. *Required for AC 410, 431, 462.* Spring.

**AC 403 Principles of Taxation (3 credits)** *Prereq.: At least "C-" in AC 232.* This course provides a survey of federal income taxation of individuals. The students will demonstrate knowledge of filing requirements, the identification of gross income, losses and deductions, property transactions, special tax computations, tax credits, and basic tax planning strategies. *Required for AC 404.* Fall.

**AC 404 Advanced Taxation (3 credits)** *Prereq.: At least "C-" in AC 403.* The federal income taxation of corporations, partnerships, and their owners is the primary emphasis of this course. Students will demonstrate knowledge of the formation, structure, and taxation of partnerships and corporations including distributions, reorganizations, and consolidated returns. The student will also acquire a basic understanding of the taxation of gifts and estates. Tax research and planning is an integral part of this course. Spring.

**AC 410 Accounting Information Systems (3 credits)** *Prereq.: At least "C-" in AC 332 and senior.* This course examines the function and design of computer-based accounting information systems. Students apply control techniques to mitigate identified risks. In addition to flowcharting business processes, students learn to document relational database designs using templates. Students also must demonstrate an ability to create tables, forms, queries, and reports within a relational database. Spring.

**AC 431 Advanced Accounting I (3 credits)** *Prereq.: At least "C-" in AC 332.* This course teaches the accounting for various forms of business combinations. Applying the theories of consolidation, students prepare required entries to combine activities of multiple corporations into a single-reporting entity. Students demonstrate the ability to construct worksheets from which consolidated financial statements are generated. Meets 4 hours a week. *Required for AC 432.* Fall.

**AC 432 Advanced Accounting II (3 credits)** *Prereq.: At least "C-" in AC 431.* The students will learn to record and report financial transactions for multinational, governmental, not-for-profit, partnership, and financially distressed entities. Interim and segmental reporting principles will also be applied. Meets 4 hours a week. Spring.

**AC 462 Auditing (3 credits)** *Prereq.: At least "C-" in AC 332.* This course teaches auditing standards and procedures applied by auditors, the development of audit programs, the cyclical approach to accumulating audit evidence, tests of internal controls, and the different types of audit reports. Students perform sampling techniques for gathering audit evidence and learn fraud-detection procedures. *Required for AC 463.* Fall.

**AC 463 Advanced Auditing (3 credits)** *Prereq.: At least "C-" in AC 462.* Students will enhance their general audit planning and working paper skills as well as learn the concepts and standards associated with other attestation services, internal audits, and governmental audits. Students use computer-assisted auditing tools and apply statistical sampling techniques to form audit judgments. While studying the legal liability of auditors, students also examine AICPA standards that govern the professional conduct of auditors. Spring odd.

## Art

**AR 101 Drawing I (3 credits)** *Prereq.: Studio art concentration or minor or art second teaching field or broad field.* Students learn drawing terminology, materials, and techniques by interpreting and rendering visual images from reference material. Meets 6 hours a week. *Required for AR 102, 250, 254; SE 316.* Fall, Spring.

**AR 102 Drawing II (3 credits)** *Prereq.: At least "C-" in AR 101.* Students use various drawing media and further develop drawing skills with greater emphasis on drawing the clothed figure and gesture drawing. Meets 6 hours a week. *Required for AR 203, 303; SE 316.* Spring.

**AR 111 Principles of Drawing (3 credits)** *Prereq.: Open to all students except studio art concentration or minor or art second teaching field or broad field.* Students learn basic drawing terminology, materials, and techniques by interpreting and rendering visual images from reference material. Meets 6 hours a week. *Required for AR 250, 254.* Fall.

**AR 120 Digital Typography (3 credits)** *Prereq.: Concentration, teaching field, minor, broad field, or emphasis in advertising/public relations, art, digital media, graphic design, professional writing, studio art, or web development.* Students learn basic principles for using typography in design and layout. Students also learn how to use Adobe InDesign. *Required for AR 267, 402.* Fall, Spring.

**AR 201 Design Fundamentals I (3 credits)** *Prereq.: Visual arts major; advertising/public relations concentration; minor in advertising, graphic design, studio art, or web development; or art second teaching field or broad field.* Students learn the elements and principles of design and investigate concepts through projects with an emphasis on craftsmanship and control. Meets 4 hours a week. *Required for AR 202, 203, 250, 254, 267, 310; SE 316.* Fall, Spring.

**AR 202 Design Fundamentals II (3 credits)** *Prereq.: At least "C-" in AR 201.* Students apply understanding of the elements and principles of design and investigate concepts through projects with an emphasis on craftsmanship and control. Meets 4 hours a week. *Required for AR 321.* Spring.

**AR 203 Basic Painting I (3 credits)** *Prereq.: At least "C-" in AR 102, 201, and studio art concentration or minor or art second teaching field or broad field.* Students learn to paint with oils through demonstrations, assigned projects, and critiques with an emphasis on building observation and paint application skills. Meets 6 hours a week. *Required for AR 204, SE 316.* Fall.

**AR 204 Basic Painting II (3 credits)** *Prereq.: At least "C-" in AR 203.* Students learn to paint with various water-based media through demonstrations, research, assigned projects, and critiques. Meets 6 hours a week. *Required for AR 213, 304, 321, 336; SE 316.* Spring.

**AR 213–414 Figure Painting (1 credit each)** *Prereq. for AR 213: AR 204; each level requires the preceding one.* Students learn to create oil paintings of the human head using live models. Advanced students will further study by painting half- and full-figure works. Each course meets 2 hours a week. *Required for AR 214, each level required for the next one.* Fall.

**AR 218 Photography I (3 credits)** This course is a basic study of the tools and techniques of photography. Students learn to operate a digital interchangeable lens camera and edit and store photographic images. Students also learn to communicate visual ideas through photography. The student must have a manual mode digital interchangeable-lens camera capable of 8 megapixels and a jump drive with at least 1 GB capacity. Meets 4 hours a week. *Required for AR 308, MK 402.* Fall, Spring.

**AR 220 Digital Graphics (3 credits)** *Prereq.: Concentration, teaching field, minor, broad field, or emphasis in advertising/public relations, art, digital media, graphic design, professional writing, studio art, or web development.* Students develop and edit vector-based and raster-based images using Adobe Illustrator and Photoshop. *Required for AR 267, 323, 402.* Fall, Spring.

**AR 227 History of Art (3 credits)** This course is a survey of visual art history from ancient art through the Middle Ages. Students learn a biblical perspective of art. This course may be taken as a social science elective. *Required for AR 228.* Fall.

**AR 228 History of Art (3 credits)** *Prereq.: AR 227.* This course is a survey of visual art history from the early Renaissance to the present. Students analyze art from a biblical perspective. *Required for AR 348.* Spring.

**AR 231–432 Yearbook Practicum (1 credit each)** *Prereq.: Student must be a member of the yearbook staff.* Students earn credit for actual work on the *Summit* and will be given basic guidelines for design layout, copywriting, and photography composition. Students apply their skills of time management, teamwork, and organization in a professional office setting. *Required for AR 232, each level required for the next one.* Fall, Spring.

**AR 241 Introduction to the Mass Media (3 credits)** Students receive an overview of the mass media industries with an emphasis on the impact that the convergence of these industries is having on the media landscape. The media's impact on society, media law, and media literacy are emphasized. Fall odd.

**AR 250 Introduction to Digital Illustration (3 credits)** *Prereq.: At least "C-" in AR 101 or 111, 201, and visual arts major.* Students practice basic rendering techniques and design principles used in digital illustration. *Required for AR 321.* Fall, Spring.

**AR 254–454 3-D Design Fundamentals (3 credits each)** *Prereq. for AR 254: At least "C-" in AR 101 or 111 and AR 201; each level requires the preceding one.* Students apply the elements and principles of design to the development of three-dimensional works using a variety of materials and methods. Meets 6 hours a week. *Required for AR 354, each level required for the next one.* Fall, Spring.

**AR 267 Graphic Design I (3 credits)** *Prereq.: At least "C-" in AR 120, 201, and 220.* Students learn to develop and present solutions for basic graphic design problems. Principles of visual communication, layout, and print production are studied. Meets 6 hours a week. *Required for AR 268.* Fall.

**AR 268 Graphic Design II (3 credits)** *Prereq.: At least "C-" in AR 267.* Students develop solutions to more advanced graphic-design problems with an emphasis on creativity and clear communication through type, image, and layout. Meets 6 hours a week. *Required for AR 325, 326, 346, 402, 420, 440.* Spring.

**AR 303 Advanced Drawing (3 credits)** *Prereq.: At least "C-" in AR 102.* Students learn skeletal and muscular forms of the human figure as they relate to the artist and draw the clothed figure from reference and observation. Meets 6 hours a week. *Required for AR 304, 321, 336.* Fall.

**AR 304 Advanced Painting (3 credits)** *Prereq.: At least "C-" in AR 204 and 303.* Students continue to refine painting techniques and composition development by creating several paintings using various media. Meets 4 hours a week. *Required for AR 440.* Spring.

**AR 308 Photography II (3 credits)** *Prereq.: At least "C-" in AR 218.* Students further develop their digital photography skills as they photograph a variety of field and studio assignments. An emphasis is placed on the students' application of professional lighting and exposure techniques as well as a refinement of their image processing and digital management skills. *Required for AR 309.* Fall, Spring.

**AR 309 Photography III (3 credits)** *Prereq.: At least "C-" in AR 308.* Students continue to develop and refine skills gained in AR 308 as they photograph a variety of instructor-directed assignments and develop a portfolio of their work. Fall, Spring.

**AR 310 Calligraphy (1 credit)** *Prereq.: AR 201 and junior or senior visual arts major or art teaching field, advertising/public relations or professional writing concentration, studio art minor, or graphic design minor or broad field.* Students use a variety of tools and stroke techniques to develop competence in basic calligraphic letter forms. Meets 2 hours a week. Fall, Spring.

**AR 321 Illustration I (3 credits)** *Prereq.: At least "C-" in AR 202, 204, 250, and 303.* Students learn basic principles of illustration development. Meets 6 hours a week. *Required for AR 322.* Fall.

**AR 322 Illustration II (3 credits)** *Prereq.: At least "C-" in AR 321.* Students develop visual storytelling techniques by completing various illustration assignments with an emphasis on concept and compositional development. Meets 6 hours a week. *Required for AR 326, 440.* Spring.

**AR 323 Principles of Digital Multimedia Technology (3 credits)** *Prereq.: AR 220 and advertising/public relations or graphic design concentration or digital media minor, broad field, or emphasis.* This course teaches students the basics of working with digital audio and video technologies. Students learn how to use industry-standard equipment and Adobe Creative Cloud applications as they acquire media content and edit it into a variety of productions. *Required for AR 324.* Fall.

**AR 324 Digital Multimedia Production (3 credits)** *Prereq.: At least "C-" in AR 323.* This course builds on the foundation of AR 323 by advancing students' media production skills while the students develop realistic multimedia content. Students also begin learning motion graphics and the basics of 3-D space with an emphasis on learning the integration of Adobe Creative Cloud Applications. Spring.

**AR 325 Publication Design (3 credits)** *Prereq.: AR 268 and visual arts major.* Students learn guidelines and requirements necessary for publication of print and electronic media. Students create original layouts and prepare for publication. *Required for AR 326.* Fall.

**AR 326 Publication Practicum (3 credits)** *Prereq.: At least "C-" in AR 268 and 325 and graphic design concentration; or at least "C-" in AR 322 and studio art concentration.* Students gain practical experience working in a team to develop a complex publication from concept to published work. Students design and promote the PCC *Fountains* student publication. Spring.

**AR 336–337 Studio Art Internship (3 credits each)** *Prereq. for AR 336: At least "C-" in AR 204 and 303, and studio art concentration; prereq. for AR 337: AR 336.* Students receive practical studio art experience in this internship. A minimum of 120 hours is spent in a professional environment at an approved off-campus site. Students create valuable additions to their portfolios. *Required for AR 337.* Both sem., Interterm, and Summer.

**AR 346–347 Graphic Design Internship (3 credits each)** *Prereq. for AR 346: At least “C-” in AR 268 and graphic design concentration; prereq. for AR 347: AR 346.* Students receive practical graphic design experience in this internship. A minimum of 120 hours is spent in a professional environment at an approved off-campus site. Students create valuable additions to their portfolios. *Required for AR 347 Both sem., Interterm, and Summer.*

**AR 348 History of Illustration and Graphic Design (3 credits)** *Prereq.: AR 228.* This course traces the history of commercial art with an emphasis on illustration and graphic design. Students identify and analyze changes in industry practice and how they relate to the present. Spring.

**AR 364 Media Studio Production (3 credits)** *Prereq.: AR 323.* Students further their understanding of audio and video equipment as they learn how to develop and produce media projects in a variety of studio and other live production situations. Spring.

**AR 402 Web Design I (3 credits)** *Prereq.: AR 268 and CS 211; or AR 120, 220, CS 211, and web development minor.* Students learn foundational web design principles by planning, developing, designing, and testing various web-based media. Meets 4 hours a week. *Required for AR 403.* Spring.

**AR 403 Web Design II (3 credits)** *Prereq.: At least “C-” in AR 402.* Students learn principles of user-experience and interface design and apply to the development of live websites. Fall.

**AR 420 Advertising Design I (3 credits)** *Prereq.: At least “C-” in AR 268.* Students learn to individually and collectively develop a brand identity and a creative advertising campaign through researching, developing, and presenting projects which promotes various products or services. Meets 4 hours a week. *Required for AR 421, 440; MK 402.* Fall.

**AR 421 Advertising Design II (3 credits)** *Prereq.: At least “C-” in AR 420.* Students individually and collectively create a comprehensive advertising campaign through researching, developing, and presenting projects which promote an event. Meets 4 hours a week. Spring.

**AR 440 Portfolio (3 credits)** *Prereq.: At least “C-” in AR 268, 304, 322, and senior studio art concentration; or credit for or concurrent enrollment in AR 420 and senior graphic design concentration.* Students develop self-promotional marketing tools and a personal portfolio. Students also learn presentation and interview techniques and basic field-related business practices. *Required for AR 450, 451.* Fall.

**AR 450 Directed Studio (3 credits)** *Prereq.: Graduating senior graphic design concentration in last semester and credit for or concurrent enrollment in AR 440.* Students create advanced-level work for their senior portfolios under the direction of an instructor. Emphasis is placed on developing a cohesive body of work with a clear personal direction. *Required for AR 498.* Fall, Spring.

**AR 451 Directed Studio (3 credits)** *Prereq.: Graduating senior studio art concentration in last semester and credit for or concurrent enrollment in AR 440.* Students create advanced-level work for their senior portfolios under the direction of an instructor. Emphasis is placed on developing a cohesive body of work with a clear personal direction. *Required for AR 499.* Fall, Spring.

**AR 498 Senior Graphic Design Portfolio Exhibit (0 credit)** *Prereq.: Concurrent enrollment in AR 450.* Fall, Spring.

**AR 499 Senior Studio Art Portfolio Exhibit (0 credit)** *Prereq.: Concurrent enrollment in AR 451.* Fall, Spring.

## Business Administration

**BA 101 Introduction to Business (2 credits)** Students gain a basic understanding of business functions and areas of specialization within the field of business. Fall, Spring.

**BA 201 Business Law (3 credits)** *Prereq.: Sophomore or above.* This course is open to all students who would like to increase their understanding of legal principles that apply to various business transactions. Contracts, labor-management responsibilities, property, insurance, partnerships and corporations, wills and trusts, and torts and business crimes are discussed. *Required for BA 442, HI 351.* Fall, Spring.

**BA 203 Principles of Management (3 credits)** Students will learn how managers use functional, behavioral, and informational resources to achieve organizational goals and strategic solutions within a dynamic environment. Students also will learn how to motivate and lead people, facilitate processes, and develop their interpersonal and professional skills. Fall, Spring.

**BA 217 e-Business Systems (3 credits)** *Prereq.: Sophomore or above.* Students will demonstrate an understanding of the e-business systems used in business-to-business (B2B) and business-to-consumer (B2C) relationships. Application of the Internet and related technologies to various business processes is presented. Emphasis is placed on understanding e-business technology fundamentals and exploring different ways to conduct business online. Current B2B and B2C organizations and their operational strategies are discussed. *Required for BA 431.* Spring.

**BA 220 Business English (3 credits)** *Prereq.: At least "C-" in EN 121 or 123.* Students complete an in-depth study of punctuation, capitalization, and number style and apply this knowledge as they edit various business documents. *Required for OA 301, 318, 324.* Fall, Spring.

**BA 224, 225 Business Practicum (1 credit each)** *Prereq. for BA 224: Sophomore or above with a major or minor in the business department and approval from chair of business; prereq. for BA 225: BA 224, a major or minor in the business department, and approval from chair of business.* Students obtain field experience in an approved business for a minimum of 40 hours. *Required for BA 225.* Both sem., Interterm, and Summer.

**BA 301 Corporate Finance (3 credits)** *Prereq.: AC 232.* A basic understanding of the function of finance, financial planning and control, and corporate structure is developed. Students use time value of money, financial statement analysis, forecasting, projected cash flows, and capital budgeting techniques to evaluate business scenarios. *Required for BA 302, FN 310.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**BA 302 Corporate Finance (3 credits)** *Prereq.: At least "C-" in BA 301.* Students evaluate business decisions through the application of working capital management, inventory models, credit management policy, cash and marketable security management, and short-term financing. Students also learn and demonstrate knowledge of cost of capital, dividend policy, capital markets, and lease financing culminating in a financial management simulation of a firm. *Required for FN 315, 331, 433, 447, 448.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**BA 303 Macroeconomics (3 credits)** *Prereq.: MA 121 or placement into MA 130 or higher; and sophomore or above.* The students will demonstrate an understanding of national economic policy and characterize its implications for public policy, taxation, and monetary policy. National income, GDP, and economic forecasting will be discussed. This course may be taken as a social science elective. *Required for BA 304.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**BA 304 Microeconomics (3 credits)** *Prereq.: BA 303; and MA 130 or placement into MA 131 or higher.* This course discusses economic principles (such as supply, demand, consumer behavior, and the theory of the firm) applicable to individuals and firms. Students demonstrate their knowledge in practical application through making production decisions for firms within various market structures, allocating resources to minimize the cost of production, determining price and output levels to maximize firm profits, and analyzing the effects of government intervention in the market economy. This course may be taken as a social science elective. Offered on campus: Fall, Spring; online: Interterm, Summer.

**BA 313 Public Relations (3 credits)** This course includes a historical overview of public relations, plus an analysis of various PR principles and applications. These include public relations as a management function; the distinction between PR and advertising; and PR as a form of advocacy, motivation, and persuasion. Students plan and stage a major on-campus PR event. *Required for BA 413.* Fall, Spring.

**BA 317 Small Business Entrepreneurship (3 credits)** The student will analyze the steps in formulating and managing a small business within a dynamic environment. The exciting opportunities and challenges faced by entrepreneurs in addition to issues such as idea conception, feasibility, planning, financing, legalities, marketing, operations, and management will be discussed and applied in the development of a business plan. Fall.

**BA 322 Business Statistics (3 credits)** *Prereq.: Credit for or concurrent enrollment in MA 121 or placement into MA 130 or higher.* This course demonstrates the foundations of statistical measurement and analysis using both descriptive and inferential statistics within a business framework. The students will acquire understanding of statistical topics such as frequency distributions, sampling theory, averages, variation, probability and probability distributions, sampling distributions, estimation, hypothesis testing, regression, and correlation. *Required for FN 447, MA 330, MK 404.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**BA 330 Computer Applications for Business (3 credits)** *Prereq.: CS 101 or proficiency; and sophomore or above.* The student will develop a working knowledge of computer applications through hands-on experience. The student will be able to produce useful and practical projects by effectively using the Microsoft Office Suite and be able to integrate from one application to another. *Required for OA 301, 411; SE 313.* Fall, Spring.

**BA 403 Business Communications (3 credits)** *Prereq.: EN 126; and junior or senior business major, computing major, business technology minor, office administration minor or broad field, management minor or broad field; or sophomore office systems student in A.S. program.* This course teaches students the mechanics and principles of effective business correspondence. Students learn how to compose and edit résumés and cover letters; business email, memorandums, and letters; and formal reports. Fall, Spring.

**BA 411 Production and Logistics Management (3 credits)** *Prereq.: MA 330 and junior or senior.* This course examines the use of resources to produce goods and services. The students will demonstrate knowledge of material acquisition, scheduling, resource planning, lean production, supply chain management, and operations strategy as they relate to production and operations management. Fall, Spring.

**BA 413 Public Relations Management (3 credits)** *Prereq.: BA 313.* This advanced public relations course analyzes crisis management from a management-stakeholder relationship. Students utilize case-study methodology to assess crises and issues while demonstrating confidence in formulating a proper ethical response using various media channels. Spring.



**BA 422 International Business (3 credits)** *Prereq.: Junior or senior.* This course provides a multi-disciplinary study of international business. Students will learn the business, political, cultural, and economic underpinnings of global business. Fall, Spring.

**BA 430 Strategic Management and Business Policy (3 credits)** *Prereq.: Senior management or finance concentration graduating in December or May.* This capstone course uses the case-study method to integrate knowledge from all business disciplines to formulate and execute strategies at the functional, business, and corporate levels. The student will demonstrate an understanding of SWOT analysis, Porter's Five Forces Model, sustainable competitive advantage, environmental analysis, measurement of performance, and the appropriate fit between strategy and organizational structure. Fall, Spring.

**BA 431 Contemporary Issues in e-Business (3 credits)** *Prereq.: BA 217.* This course focuses on the current trends in Business-to-Business e-business activities, including design and implementation issues, web-enabling technologies, collaborative commerce, vertical and horizontal portals, emerging e-business models, enterprise resource planning, supply chain management, knowledge management, global issues, security concerns, intellectual property, privacy, ethical issues, and legal implications. Fall odd.

**BA 442 Advanced Business Law (3 credits)** *Prereq.: BA 201.* The student will learn about advanced treatment of selected topics in business law with special attention to the application of the Uniform Commercial Code. The student will demonstrate understanding of the law with respect to sales, leases, real and personal property, negotiable instruments, and bankruptcy. Issues related to professional liability are also addressed. This course is strongly recommended for those students who are planning to take the CPA examination. Spring.

## Bible Background

**BB 411 Church History I (2 credits)** *Prereq.: HI 101, 102, and junior or senior.* Students will learn a survey of the New Testament Church from its birth up to the Reformation. Attention is also given to an examination of the underlying texts of the English Bible, the history of the translation of the English Bible, and the great Christians whom God has used to give us His Word in the English language. This course may be taken as a history elective by history teaching field (minimum grade—"C-") or minor, in which case it would not count as a Bible Background elective. Offered on campus: Fall; online: Interterm, Summer.

**BB 412 Church History II (2 credits)** *Prereq.: HI 101, 102, and junior or senior.* Students will learn a survey of the New Testament Church from the Reformation to the present. Attention is given to the lives of the Reformers and the lives of great Christians used by God in the great revivals and missions works from the 1700s to the 1900s. The course also identifies major movements that have influenced twentieth century church history: Pentecostalism, Liberalism, Neo-orthodoxy, Fundamentalism, and New Evangelicalism. Each movement is examined in light of Scripture. This course may be taken as a history elective by history teaching field (minimum grade—"C-") or minor, in which case it would not count as a Bible Background elective. Offered on campus: Spring; online: Interterm, Summer.

## Bible

**BI 105 Old Testament Introduction (2 credits)** Students will learn the chronological narrative of the Old Testament, exploring major themes and events and emphasizing God's redemptive work promised through the nation of Israel. *Required for BI 303, 304, 321, 322.* Fall.

**BI 201 Old Testament Survey (2 credits)** A chronological overview of the Pentateuch, including the authorship, purpose, and major characters of each book. The student will learn a broad outline of each book. Special attention is given to the days of creation, the Patriarchs, the events of the Exodus, and the Tabernacle. *Required for BI 303, 304.* Offered on campus: Fall even, Spring odd; online: Interterm, Summer.

**BI 202 Old Testament Survey (2 credits)** A chronological overview of Israel's history from Joshua to Malachi. The student will learn a broad outline of each book, including the authorship, purpose, major characters, and passages of doctrinal significance. *Required for BI 303, 304.* Offered on campus: Fall even, Spring odd; online: Interterm, Summer.

**BI 203 Life of Christ (2 credits)** The student will learn about the life and ministry of Jesus from the Gospels by studying the major chronological periods of Christ's life and ministry. Offered on campus: Fall, Spring; online: Interterm, Summer.

**BI 205 New Testament Introduction (2 credits)** Students will learn the chronological narrative of the New Testament, exploring major themes and events and emphasizing the fulfillment of God's redemptive work through Jesus Christ. *Required for BI 321, 322, 414, 416, 420.* Spring.

**BI 206 Acts (2 credits)** An exposition of Acts, concentrating on the history of the spread of the gospel in the early Church and the development of the Church and its doctrine. The student will memorize Scripture, learn key events from each chapter, and learn about the spread and development of the Church. Fall, Spring.

**BI 214 General Epistles (2 credits)** An in-depth study of I, II, and III John, I and II Peter, and the Epistle of Jude, noting the warning to believers about false teachers and principles of growth in the Christian life. Fall, Spring.

**BI 216 Teachings of Jesus (2 credits)** A comprehensive study of the teachings of Christ as found in the four Gospels, with an emphasis on application. The student will thoroughly investigate Christ's parables, discourses, and short sayings. Offered on campus: Fall, Spring; online: Interterm, Summer.

**BI 218 I and II Corinthians (2 credits)** An exposition of the Corinthian epistles. The student will learn doctrinal truth and how to apply it to the Christian life by identifying issues addressed to the Corinthians and instruction provided. Spring.

**BI 233 Life of David (2 credits)** A study of the life of David. The student will learn contextual perspectives of theocracy and transition to the monarchy. Emphasis is given to specific events in the life of David and people associated with him. The student will be able to identify and illustrate application of biblical truth to daily life. Offered on campus: Fall, Spring; online: Interterm, Summer.

**BI 303 Hebrew History I (2 credits)** *Prereq.: BI 105.* Students will learn the major events in Hebrew history beginning with the Exodus from Egypt through the wilderness wanderings as recorded in Numbers. A special emphasis is given to the theological principles that relate to the life of the believer. Fall.

**BI 304 Hebrew History II (2 credits)** *Prereq.: BI 105.* Students will learn the major events in Hebrew history from the preparation to enter the Promised Land to the period of judges (Deuteronomy through Ruth). A special emphasis is given to the theological principles that relate to the life of the believer. Spring.

**BI 312 Romans (2 credits)** An introduction to and exposition of Romans noting man's condemnation because of sin and his justification and sanctification because of the work of Christ. The student will develop a greater understanding of the theological doctrine Paul sets forth in his epistle to the church in Rome. Fall, Spring.

**BI 314 Genesis (3 credits)** A thorough treatment of Genesis giving special attention to the Creation, the Fall, the Flood, the tower of Babel, the call of Abraham, and God's dealing in and through the lives of Abraham, Isaac, Jacob, and Joseph. Spring.

**BI 317 Galatians and the Prison Epistles (2 credits)** The student will be given an overall understanding of Galatians, Ephesians, Philippians, Colossians, and Philemon through a study of the major doctrines in each book. The understanding that each book gives regarding God's grace will especially be highlighted. Offered on campus: Spring; online: Interterm, Summer.

**BI 318 Biblical Poetry (2 credits)** BI 318 is an introduction to the books of biblical poetry—Job, Psalms, Proverbs, Ecclesiastes, and Song of Solomon. Students will gain knowledge of the background, historical setting, authorship, poetical structure, and theme of each book. Special emphasis will be given to the devotional and theological elements. Selected portions of these books will be studied with the intent of making practical application. Offered on campus: Fall, Spring; online: Interterm, Summer.

**BI 319 I and II Timothy and Titus (2 credits)** This course is an introduction to and exposition of I and II Timothy and Titus. The student will learn specific teachings and how to apply them in ministry in local churches. Fall, Spring.

**BI 320 Isaiah (2 credits)** Introduction to and commentary on Isaiah. The student will learn the historical and theological background to the prophecy of Isaiah and its meaning for Israel and the world. Emphasis will be given on identifying the attributes, character, mission, and specific roles of the Messiah. Offered on campus: Fall; online: Interterm, Summer.

**BI 321 Bible Doctrines (2 credits)** *Prereq.: BI 105 and 205; or sophomore and above.* A study familiarizing the student with the basic Bible doctrines upon which Christianity stands. The student will identify the essential elements of Bibliology, theology proper, Christology, and Pneumatology. *Required for PR 320.* Offered on campus: Fall; online: Interterm, Summer.

**BI 322 Bible Doctrines (2 credits)** *Prereq.: BI 105 and 205; or sophomore and above.* A study familiarizing the student with the basic Bible doctrines upon which Christianity stands. The student will identify the essential elements of anthropology, ecclesiology, soteriology, angelology, and eschatology. *Required for PR 320.* Offered on campus: Spring; online: Interterm, Summer.

**BI 360 Minor Prophets (2 credits)** This course provides the student with a foundational knowledge of the office and ministry of the Old Testament prophet, the message of each of the Minor Prophets, Israel's unfaithfulness to the Old Testament covenants, and the Messianic prophecies contained in these books. Great emphasis is placed on the application of the eternal truths of God's Word to the lives of believers of all times. Fall odd.

**BI 370 Worldview and Apologetics (2 credits)** *Prereq.: Junior or senior.* Students will learn to develop and defend a distinctively biblical worldview. By focusing on the story of the Bible, from its foundations in God and His revelation to man to its culmination in the age to come, students will understand their place in the work of God and be equipped to defend their faith. Fall, Spring.

**BI 414 Revelation (2 credits)** *Prereq.: BI 205 and sophomore or above.* Students will learn the content, as well as the scope and sequence, of the book of Revelation. Special attention will be given to the centrality of Christ in the book, the correct interpretation of prophecy, and an overall biblical eschatology. Offered on campus: Fall, Spring; online: Interterm, Summer.

**BI 416 Hebrews and James (2 credits)** *Prereq.: BI 205 and sophomore or above.* An in-depth study of Hebrews noting its essential unity with the Old Testament and its fulfillment in the New Testament ministry of Christ, and a study of the book of James and its application of faith to everyday life. Fall, Spring.

**BI 420 I and II Thessalonians (2 credits)** *Prereq.: BI 205 and sophomore or above.* This course introduces the church at Thessalonica and reviews the start of this church in Acts 17 during Paul's second missionary journey. The course includes a careful exposition of Paul's two short letters to the Thessalonians. Students will learn the themes and doctrines of each book. Fall.

**BI 490 Bible Comprehensive Review (1 credit)** This course presents a review of comprehensive Bible knowledge and is required of all students who do not successfully pass the Bible Comprehensive Exam given to all Bible majors in the final semester of their studies. Upon successful completion, the student will be able to articulate doctrinal truth. Interterm and Post-term.

## Biblical Languages

**BL 101 Elementary Greek (4 credits)** This course lays the foundation for the skills necessary to read and properly interpret the Greek New Testament. Students will be required to understand and memorize the most common vocabulary and paradigms, including first, second, and third declension nouns, the personal pronouns, present and aorist participles, and the most common tenses of the indicative mood. *Required for BL 102.* Fall.

**BL 102 Elementary Greek (4 credits)** *Prereq.: BL 101.* This course continues to lay the foundation for the skills necessary to read and properly interpret the Greek New Testament. Students will continue the memorization of vocabulary and paradigms, including the infinitive, contract and liquid verbs, subjunctive and imperative moods, and all remaining forms of the noun, adjective, and pronoun. Translation skills are enhanced by weekly assignments in the translation of John's first epistle. *Required for BL 201.* Spring.

**BL 201 Intermediate Greek (3 credits)** *Prereq.: At least "C-" in BL 102.* This course builds on the vocabulary and grammatical skills acquired in BL 101 and BL 102. Instruction will focus on the most common syntactical categories as well as the case system of the Greek New Testament. The student will translate from the Gospel of Mark and perform a number of diachronic Greek word studies. *Required for BL 202.* Fall.

**BL 202 Intermediate Greek (3 credits)** *Prereq.: BL 201.* This course builds on the vocabulary and syntactical skills acquired in BL 201. Instruction will focus on the syntax of the Greek verb and all other parts of speech, as well as the diagrammatical process. The student will continue to translate from the Gospel of Mark and provide a diagrammatical analysis from those texts. A detailed exegesis with word studies and diagrams will be written from a specific passage of Scripture. Spring.

**BL 445 Elementary Hebrew (3 credits)** A beginning analysis of elementary Hebrew including alphabet, vowels, nouns, particles, adjectives, and other parts of speech. The student majors on learning the strong verb system and basic vocabulary while translating passages from the book of Genesis. *Required for BL 446.* Fall.

**BL 446 Elementary Hebrew (3 credits)** *Prereq.: BL 445.* A continuation of vocabulary, grammar, and syntax. The student will be introduced to the weak verb system. Translation is done from the book of Ruth. Spring.

## Biology

**BY 105 Principles of Biology (4 credits)** *Prereq.: Pre-nursing major or sport management concentration.* Students learn the basic principles of biology with an emphasis on the cell as the structural and functional unit of life. 4 hours lecture, plus lab. *Required for BY 112, 201, 202, 206, 221, 323, 331, 411, 422; CH 107, 306; NU 128; SC 242.* Fall, Spring.

**BY 111 General Biology I (4 credits)** *Prereq.: Non-nursing major.* This course begins with a study of origins and fundamental concepts in ecology. The course concludes with a study of cell biology, including cell structure, metabolism, reproduction, and genetics. Students receive practical training in use of ecological modeling in lab. Cell biology labs stress techniques and fundamentals of genetics. 4 hours lecture, plus lab. *Required for BY 112, 201, 202, 206, 221, 323, 331, 411, 422; CH 306; NU 128; SC 242; SE 308.* Fall, Spring.

**BY 112 General Biology II (4 credits)** *Prereq.: BY 111 and non-nursing major.* Students study the diversity of life through examination of plant and animal taxa, morphology, anatomy, and physiology. An overview of the major plant and animal phyla will be studied in lab through specimen analysis and dissections. Human anatomy and physiology is also emphasized. 4 hours lecture, plus lab. *Required for BY 221, 222, 306, 311, 323, 411; SE 308.* Spring.

**BY 201 General Anatomy and Physiology (4 credits)** *Prereq.: BY 105 or 111; concentration/emphasis other than biology, pre-medicine, pre-pharmacy, or pre-physical therapy.* A review of cell biology is given. Students learn the anatomy and physiology of the human integumentary, skeletal, cardiovascular, lymphatic, and respiratory systems. Lab work consists of histological study of tissue types and anatomical study of body systems including organ-specific dissections and 3-D imaging software for digital dissections. 3 hours lecture, plus lab. *Required for BY 411, 441; CH 107; NU 128, 203; SE 308.* Spring.

**BY 202 General Anatomy and Physiology (4 credits)** *Prereq.: BY 105 or 111; concentration/emphasis other than biology, pre-medicine, pre-pharmacy, or pre-physical therapy.* Students learn concepts of anatomy and physiology of the human muscular, nervous, endocrine, digestive, urinary, and reproductive systems. Studies are made in the areas of nutrition, electrolyte and water balance, and embryology. Lab work includes an anatomical and physiological study of these systems including organ-specific dissections and 3-D imaging software for digital dissections. 3 hours lecture, plus lab. *Required for BY 411, 441; NU 203, 207; PS 409; SE 308.* Fall.

**BY 206 Microbiology (4 credits)** *Prereq.: BY 105, CH 107, and sophomore or above.* Students learn the physiological and clinical aspects of microorganisms. Special emphasis is given to bacteria and the role of microorganisms in disease. Basic virology, parasitology, epidemiology, and immunology are studied. 3 hours lecture, plus lab. *Required for BY 411, NU 207.* Spring.

**BY 221 Zoology (4 credits)** *Prereq.: BY 112.* Students learn the basic principles of animal biology through an integrated review of morphology, physiology, genetics, and development. Classification, structure, and function of both invertebrates and vertebrates are examined in the laboratory and field, using both live and preserved specimens. Local marine and land species are observed. 3 hours lecture, plus lab. *Required for BY 351, 411.* Fall.

**BY 222 Botany (4 credits)** *Prereq.: BY 112.* Students learn the anatomy and physiology of the plant kingdom with an emphasis on photosynthesis, water and nutrient transport and use, and growth/development. Differences among plant divisions will be discussed. Students gain practical experience in the laboratory using microscopic and macroscopic observations along with plant physiology experiments. Plant forms in the upper Gulf Coast ecology are referenced. 3 hours lecture, plus lab. *Required for BY 411.* Spring.

**BY 306 General Microbiology (4 credits)** *Prereq.: BY 112 and CH 112.* Students learn the central concepts of microbiology. In-depth study is given to physiology, morphology, and classification of microbiota. Roles of the microbiome in human health and disease are emphasized. Attention is focused on bacteriology; protists, fungi, viruses, and parasites are also considered. 3 hours lecture, plus lab. Spring.

**BY 311 Anatomy and Physiology I (4 credits)** *Prereq.: BY 112 and biology, pre-medicine, pre-pharmacy, or pre-physical therapy concentration/emphasis.* A review of cell biology is given. Students acquire understanding of anatomy and physiology of the human skeletal, muscular, integumentary, and nervous systems. In addition, students learn pathology of each system studied. Lab work consists of histological and anatomical study of body parts including organ-specific dissections and 3-D imaging software for digital dissections with additional work in physiology. 3 hours lecture, plus lab. *Required for BY 312, 411, 441, 442; SC 351.* Fall.

**BY 312 Anatomy and Physiology II (4 credits)** *Prereq.: BY 311 and biology, pre-medicine, pre-pharmacy, or pre-physical therapy concentration/emphasis.* This course is a continuation of the first-semester course. Students learn the anatomy and physiology of the respiratory, endocrine, digestive, reproductive, excretory, immune, and cardiovascular systems. Pathology will also be considered for the systems covered. Lab work consists of physiological, histological, and anatomical study including organ-specific dissections and 3-D imaging software for digital dissections of organs and systems with additional work in physiology. 3 hours lecture, plus lab. *Required for BY 411, 441; PS 409; SC 442, 461.* Spring.

**BY 323 Ecology (4 credits)** *Prereq.: BY 112.* Students learn the interactions of biotic and abiotic factors and their effects on population structure along with other fundamental ecology topics. Lab studies will focus on population studies both in a laboratory setting and in the field. 3 hours lecture, plus lab. *Required for BY 411.* Fall.

**BY 331 Genetics (4 credits)** *Prereq.: BY 105 or 111.* This course is an introduction to the basic concepts of classical, molecular, and population genetics with special emphasis on the human genome and biomedical applications. Students develop skills in solving genetics problems. 3 hours lecture, plus lab. *Required for BY 341, 342, 411, 449, 450.* Fall.

**BY 341 Immunology (3 credits)** *Prereq.: CH 212 and credit for or concurrent enrollment in BY 331.* This course is an introduction to immunobiology and immunochemistry. Emphasis is placed on human immunity. Students will learn innate and adaptive immune mechanisms, antigen and antibody structure and interactions, and the roles of the immune system in allergies, autoimmunity, and transplantation. Fall.

**BY 342 Developmental Biology (4 credits)** *Prereq.: BY 331 and CH 212.* Students develop an understanding of key topics in developmental genetics, morphogenesis, and organogenesis in vertebrate organisms with a focus on human developmental biology. 3 hours lecture, plus lab. Spring.

**BY 351 Vertebrate Zoology (4 credits)** *Prereq.: BY 221.* Students learn the basic principles of vertebrate biology through an integrated review of vertebrate morphology and physiology. Classification, structure, and function of vertebrates are examined in the laboratory and field, using both live and preserved specimens. Local marine and land vertebrate species are observed. 3 hours lecture, plus lab. Fall.

**BY 411 Parasitology (4 credits)** *Prereq.: Two BY lab courses.* Students will gain a comprehensive understanding of parasites and parasitism. Emphasis will be placed on parasite life cycles, ecology, epidemiology, pathology, prevention, and treatment. Consideration will be made of the global socioeconomic impact of both human and veterinary parasites. 3 hours lecture, plus lab. Fall even.

**BY 422 Cell Biology (4 credits)** *Prereq.: BY 105 and CH 107; or BY 111 and CH 112.* This course provides a comprehensive introduction to cellular and molecular biology. It covers the major issues concerning cell function and cell constituents, including the fundamentals of embryology and the study of the immune system. Students acquire a broad and coherent basis of reference in this subject. Spring.

**BY 441 Exercise Physiology (4 credits)** *Prereq.: BY 201 and 202; or BY 311 and 312; or PE 191, 321, and approval from chair of natural sciences.* This course provides a rigorous coverage of the principles of bioenergetics and the physiological response of the human body to exercise and physical conditioning. Students will learn the integration of body systems in the adaptation to exercise. Lab work focuses on applying physiological principles to a practical understanding of exercise. 3 hours lecture, plus lab. *Required for BY 442.* Fall.

**BY 442 Biomechanics (4 credits)** *Prereq.: BY 311 or 441, and at least "C-" in MA 131 or placement into MA 221.* This course builds on a background of musculoskeletal anatomy to cover the fundamental mechanical properties and structural behavior of biological tissues. Students will learn the relationship of structure and function in the musculoskeletal system and how it applies to the analysis of stress and strain in biological tissues. Students will be introduced to both quantitative and qualitative approaches to analyze forces in human function and movement. Lab work focuses on the measurement of biomechanical forces and the application of foundational principles. 3 hours lecture, plus lab. Spring.

**BY 449 Molecular Biology (3 credits)** *Prereq.: BY 331 and CH 306.* Students gain in-depth knowledge of nucleic acid biology in living cells and build on the core concepts learned in genetics to explore regulation of gene expression on a more advanced level. Emphasis is also given to the underlying principles that support experimental study of nucleic acids, gene expression, and gene regulation. Fall.

**BY 450 Biotechnology (3 credits)** *Prereq.: BY 331 and CH 211.* This course is an introduction to the use of microorganisms and other biological systems to aid in manufacturing various products. In this capstone experience, students apply concepts of ethics, genetics, and biochemistry to practical problems. 1 hour lecture, plus lab. Spring.

## Chemistry

**CH 107 Chemistry for the Allied-Health Professional (4 credits)** *Prereq.: One-year pre-nursing major or at least "C-" in BY 105, 201, and MA 121.* The student will learn foundational concepts in general, organic, and biological chemistry with a focus on biological applications for nursing and health-related fields. Special emphasis is placed on the structure, function, and metabolism of carbohydrates, lipids, proteins, enzymes, vitamins, and hormones. 4 hours lecture, plus lab. *Required for BY 206, 422; NU 128, 203.* Fall, Spring.

**CH 111 General Chemistry I (4 credits)** *Prereq.: Non-nursing major and credit for or concurrent enrollment in MA 121 or higher MA course.* Students learn the principles of chemistry including classification of matter, unit conversion, stoichiometry, thermochemistry, atomic structure, chemical bonding, molecular structure, chemical reactions, the periodic table, and gases. 4 hours lecture, plus lab. *Required for CH 112, EG 201, SC 242, SE 308.* Fall, Spring.

**CH 112 General Chemistry II (4 credits)** *Prereq.: CH 111.* Students learn the principles of chemistry including intermolecular forces, condensed states of matter, solutions, chemical kinetics, equilibria, acids and bases, thermodynamics, oxidation and reduction, introductory organic chemistry, the study of metals and nonmetals, and nuclear chemistry. 4 hours lecture, plus lab. *Required for BY 306, 422; CH 211, 315, 321, 411.* Spring.

**CH 211 Organic Chemistry I (4 credits)** *Prereq.: CH 112.* Students learn the structure, reactions, and reaction mechanisms of alkanes, alkyl halides, alkenes, alkynes, alcohols, ethers, and epoxides. The course also includes the study of stereochemistry and aromatic compounds. 3 hours lecture, plus lab. *Required for BY 450; CH 212, 306.* Fall.

**CH 212 Organic Chemistry II (4 credits)** *Prereq.: CH 211.* Students learn aspects of spectroscopy and conjugated systems, ketones, aldehydes, amines, carboxylic acids and their derivatives, and enols. 3 hours lecture, plus lab. *Required for BY 341, 342; CH 422, 432.* Spring.

**CH 306 Biochemistry (4 credits)** *Prereq.: BY 111 and CH 211.* Students learn the structure of carbohydrates, lipids, proteins, vitamins, hormones, and enzymes and their relationship to life and metabolic processes. 3 hours lecture, plus lab. *Required for BY 449, SC 442.* Spring.

**CH 315 Analytical Chemistry (4 credits)** *Prereq.: CH 112.* Students learn the separation and analysis of chemical substances, with emphasis on electrolyte solutions. 3 hours lecture, plus lab. Spring even.

**CH 321 Physical Chemistry I (4 credits)** *Prereq.: CH 112 and PY 232.* Students apply calculus and physics to the study of chemical thermodynamics, reaction kinetics, and electrochemistry. 3 hours lecture, plus lab. *Required for CH 322.* Fall even.

**CH 322 Physical Chemistry II (4 credits)** *Prereq.: CH 321.* Students continue applying calculus and physics to the study of quantum chemistry, statistical mechanics, and spectroscopy. 3 hours lecture, plus lab. Spring odd.

**CH 411 Inorganic Chemistry (4 credits)** *Prereq.: CH 112.* Students learn about atomic structure, molecular symmetry, bonding, periodic trends, ionic solids, and acid-base chemistry. Particular focus will be given to metal complexes and organometallic complexes with emphasis on nomenclature, stereochemistry, electronic structure, and reactivity. The areas of redox reactions, catalysis, and bioinorganic chemistry will be covered. 3 hours lecture, plus lab. Fall odd.

**CH 422 Advanced Organic Chemistry (3 credits)** *Prereq.: CH 212.* Students learn practical applications of organic chemistry, such as spectroscopic identification, synthesis, polymerization, and photochemistry. Theoretical background into reaction mechanisms and resonance is presented. Spring even.

**CH 423 Advanced Organic Chemistry Research Lab (1 credit)** *Coreq.: CH 422.* This advanced organic chemistry research lab is taught in conjunction with CH 422 Advanced Organic Chemistry. Students learn advanced organic laboratory techniques. Students are also introduced to novel organic chemistry research culminating in an oral and written presentation. 3 hours lab per week. Spring even.

**CH 432 Instrumental Analysis (4 credits)** *Prereq.: CH 212 and MA 326.* Students learn practical applications and the theoretical basis of modern instrumental methods. Students perform instrumental analysis by spectroscopic, electrochemical, and chromatographic techniques. 2 hours lecture, plus lab. Fall even.

## Criminal Justice

**CJ 101 Introduction and Orientation to Criminal Justice (3 credits)** Students will learn how the four components of the criminal justice system—police, courts, corrections, and community—interact. Students will also learn the history and philosophy of the criminal justice system in the United States. Contemporary issues related to the various components of the criminal justice system are also addressed. *Required for CJ 106, 216, 217.* Fall, Spring.

**CJ 104 Organization and Management of Criminal Justice (3 credits)** This course examines the operation, management, budgeting, recruiting, communication, training, and public relations in the criminal justice field. The student will demonstrate knowledge of management and leadership styles, group behavior, decision making, and the stresses that are unique to a law enforcement career. *Required for CJ 406.* Fall, Spring.

**CJ 105 Theory of Patrol (3 credits)** *Prereq.: Credit for or concurrent enrollment in CJ 145; or criminal justice minor.* This course presents a study of the purposes, methods, types, and means of law enforcement patrol. Students will demonstrate knowledge of the historical development of policing and functions of the patrol operation as well as procedures used in patrol. *Required for CJ 145.* Fall, Spring.

**CJ 106 Basic Criminal Investigation (3 credits)** *Prereq.: Credit for or concurrent enrollment in CJ 101.* Students will learn basic investigative concepts including the investigative method, interviewing, note-taking, report writing, crime scene protection, and investigation. They will also demonstrate an understanding of crime scene photography, evidence collection, the forensic laboratory, and the chain of custody. They will analyze the investigative techniques of a few specific crimes and participate in a crime scene investigation. Fall, Spring.



**CJ 108 Criminal Law (3 credits)** *Prereq.: Criminal justice major or minor or pre-law emphasis.* This course examines the historical and philosophical foundations of criminal law in America along with its purpose and scope. Students will acquire an understanding of constitutional considerations with regard to criminal law, the elements of a crime, criminal liability and responsibility, use of force, criminal defenses, punishment, and general court procedures. Spring.

**CJ 145 Traffic Control Practicum (1 credit)** *Prereq.: Credit for or concurrent enrollment in CJ 105.* Students will gain practical experience in traffic-control techniques. Fall, Spring.

**CJ 201 Dynamics of Human Behavior (3 credits)** *Prereq.: Sophomore or above.* The students will learn the methods and procedures of studying human relationships and causal factors of behavior such as learning, motivation, emotion, and frustration. A view of the whole man in the light of the Scriptures is also taught. This course may be taken as a social science elective. *Required for PS 409.* Fall.

**CJ 212 Criminal Procedure (3 credits)** *Prereq.: Criminal justice major or minor or pre-law emphasis; and sophomore or above.* Students will demonstrate an understanding of the procedural process law enforcement officials must use from the beginning of the investigation of a crime through the outcome of the entire judiciary process. Topics include proper arrest, search, seizure, constitutional rights, and additional state provisions. Spring.

**CJ 213 Juvenile Delinquency (3 credits)** *Prereq.: Sophomore or above.* The student will acquire knowledge of the social, economic, political, and environmental influences on adolescents and the treatment of delinquent children. Special attention is given to juvenile crime and the role of criminal justice agencies in prevention and control. This course may be taken as a social science elective. Spring.

**CJ 216 Criminology (3 credits)** *Prereq.: CJ 101 and sophomore or above.* Students will learn the theories of the classical and positive schools of criminology, including crime causation, behavioral dysfunction in society, nature and extent of crime in the United States, and the law as a means of social control. Fall.

**CJ 217 Corrections (3 credits)** *Prereq.: CJ 101 and sophomore or above.* The students will examine the historical structure of corrections including probation, jails, prisons, parole, and the death penalty on the federal, state, and local levels. Management and treatment of convicted criminals is also addressed. *Required for CJ 302.* Fall.

**CJ 301 Community Relations (3 credits)** The student will understand the different expectations of the criminal justice system and the community and the importance of communication between these two groups. Current issues are examined and discussed. Fall.

**CJ 302 Parole and Probation (3 credits)** *Prereq.: CJ 217.* The student will demonstrate knowledge of the history, purpose, philosophy, and process of parole and probation. The student will also demonstrate knowledge of the functions and objectives of the parole and probation systems administered by federal, state, and local criminal justice systems. Spring.

**CJ 306 Criminal Justice Research (3 credits)** *Prereq.: EN 126, MA 121 or higher, and junior or senior criminal justice major or minor or pre-law emphasis.* This course analyzes the logic, design, sampling, and data collection techniques involved in research methods in criminal justice. A study is presented to demonstrate how research is applied to the criminal justice system. Spring.

**CJ 310 Rules of Evidence (2 credits)** *Prereq.: Junior or senior; criminal justice major or pre-law emphasis.* This course examines the rules of evidentiary procedure and the development of evidentiary rules with specific attention on the Fourth, Fifth, Sixth, and Fourteenth Amendments. Students will demonstrate an understanding of legal terminology and court procedures in areas such as admissibility of evidence, standards of proof, witness testimony, and the presentation and order of legal arguments. Fall, Spring.

**CJ 311 Security (3 credits)** *Prereq.: Criminal justice major or minor; and junior or senior in B.S. program or sophomore in A.S. program.* This course demonstrates an overview of the private security systems as they relate to and function within the criminal justice system. The function of security in business, industry, and personal protection is studied. Administration, personnel, and physical aspects of the security field as well as their relation to current concerns of homeland security are also covered. Fall.

**CJ 316 Emergency Management (3 credits)** *Prereq.: Junior or senior.* This course provides an overview of the four stages of emergency management: preparedness, mitigation, response, and recovery. Students learn to identify and integrate federal, state, local, and private-sector resources. The roles and responsibilities of law enforcement and other officials in emergency management are also discussed. Students earn FEMA Incident Command System (ICS) certification. Spring.

**CJ 322 Criminalistics (3 credits)** *Prereq.: Junior or senior.* This course explains the field of forensic science as it relates to the criminal justice system. The student will study and practice evidence collection, preservation, and examination at the laboratory. The functions of various forensic specialists will be covered. Spring.

**CJ 404 Victims in Criminal Justice (3 credits)** Students examine and understand the needs, wants, expectations, and role of the victims of crime within the framework of the American criminal justice process. Contemporary victim-oriented programs are also examined and discussed. Spring.

**CJ 406 Criminal Justice Administration (3 credits)** *Prereq.: CJ 104 and junior or senior criminal justice major or minor.* Students will demonstrate an understanding of the organizational, administrative, and financial aspects of the criminal justice system and how they function within each of the system's three components: law enforcement, courts, and corrections. Students also learn principles related to the management and decision-making processes of these components. In addition, they examine various budgeting methods for criminal justice administrators and issues unique to each component. Fall.

**CJ 421 Criminal Justice Ethics (3 credits)** *Prereq.: Junior or senior criminal justice major or minor or pre-law emphasis.* This course examines ethics in a criminal justice setting. The various philosophical perspectives that shape ethical decision making are discussed and examined. Students will thoroughly articulate their rationale for ethical decisions and demonstrate critical thinking skills through a variety of projects and exercises. Fall.

**CJ 444, 445 Criminal Justice Practicum (1 credit each)** *Prereq.: Junior or senior criminal justice major; and approval from chair of humanities.* Students will observe the operations of a criminal justice agency for a minimum of 40 hours. Students will be evaluated by field personnel based on their performance during the observation period. Both sem., Interterm, and Summer.

**CJ 446 Criminal Justice Practicum (2 credits)** *Prereq.: Junior or senior criminal justice major; and approval from chair of humanities.* Students will observe the operations of a criminal justice agency for a minimum of 80 hours. Students will be evaluated by field personnel based on their performance during the observation period. Both sem., Interterm, and Summer.

**CJ 448 Senior Criminal Justice Seminar (1 credit)** *Prereq.: Senior criminal justice major.* This capstone seminar for graduating seniors is designed to synthesize the many facets of the criminal justice system while preparing students to find employment in the field of criminal justice. Students demonstrate knowledge of contemporary trends and legal issues exclusive to criminal justice. Spring.

## Collegiate Life

**CL 101 Academic Success Workshop (0 credit)** Students develop effective time-management skills, study habits, test-taking strategies, and other skills that contribute to general academic success. Fall, Spring.

## Creation

**CR 370 Origins (2 credits)** Students will learn the foundational concepts of origins from a Christian worldview. This specific study of origins focuses on the Creation, the Fall, the Flood, and the Tower of Babel. Differing views of origins will be evaluated using a biblical standard. Fall, Spring.

## Computer Science

**CS 101 Introduction to Computer Applications (1 credit)** The student will develop a basic knowledge of computer applications through hands-on experience. The student will be able to produce documents using word processing, spreadsheet, and presentation software. Meets 2 hours a week. *Required for BA 330, ED 306, OA 201, PW 305, SE 313.* Fall, Spring.

**CS 130 Introduction to Information Technology (2 credits)** Students will study the history of information technology, ethical and legal issues related to computer technology, and computer equipment and software. Students will also learn logic and basic strategies for problem solving. Fall, Spring.

**CS 202 Introduction to Programming (3 credits)** This course will discuss the basic data and control structures found in programming languages. Students will learn proper design and coding methods to produce projects that are correct, complete, and clear. This course is designed to prepare students for the various programming languages and concepts they will learn in future courses. Meets 4 hours a week. *Required for CS 214, 367, 368, 376; SE 313.* Fall, Spring.

**CS 211 Introduction to Web Design (3 credits)** Students will be introduced to the fundamentals of web page design and creation using basic HTML and CSS. *Required for AR 402; CS 367, 368.* Fall, Spring.

**CS 214 C Programming (3 credits)** *Prereq.: Credit for or concurrent enrollment in CS 202.* The student will construct a variety of programs using the C programming language. The data and control structures available in C will be explored using practical exercises. File I/O, string manipulation, arrays, and pointers are among the concepts examined in this course. Meets 4 hours a week. *Required for CS 227, 344, 351, 441, 442.* Spring.

**CS 227 Data Structures and Algorithms (3 credits)** *Prereq.: At least "C-" in CS 214.* Students will develop an understanding of data structures commonly used in computer programming, along with algorithms to implement them in C-language programs. They also will learn advanced C-language programming. Topics examined include stacks, queues, linked lists, memory management, string handling, bit manipulation, recursive programs, binary tree manipulation, multidimensional arrays, arrays of pointers, etc. Students will write programs to demonstrate mastery of these concepts. *Required for CS 246, 303, 321, 326, 361, 451.* Fall.

**CS 246 Object-Oriented Programming and Design (3 credits)** *Prereq.: At least "C-" in CS 227.* This course demonstrates to students the important concepts necessary to successfully apply object-oriented design techniques and to produce properly structured object-oriented solutions. Such object-oriented concepts as encapsulation, inheritance, and polymorphism will be demonstrated in projects using the C++ programming language. Other object-oriented languages and environments will be discussed also. *Required for CS 331, 335, 364.* Spring.

**CS 271 Computer Security (3 credits)** Students will study the principles and implementations of computer security to increase their knowledge of security at various levels of computer systems. Students will also examine application of effective security management policies while addressing issues related to privacy, ethical behavior, and law in relation to computer security. *Required for CS 272, 373, 471.* Fall.

**CS 272 Cybersecurity (3 credits)** *Prereq.: CS 271.* Students study threats to the security of information systems as well as the responsibilities and basic tools for information security. Topics include a discussion of the new risks, threats, and vulnerabilities associated with how businesses, governments, and individuals operate in a cyber-environment today with the goal of mitigation. Students will also learn to identify attack phases, understand the adversary's motivations, and learn principles for mitigating threats. *Required for CS 379.* Spring.

**CS 303 Database I (3 credits)** *Prereq.: Credit for or concurrent enrollment in CS 227.* The student gains the skills necessary to design and produce efficient databases and learns proper methodologies for designing various types of databases and solving common database configuration problems. This course also introduces SQL and gives special attention to the various database models, especially the relational model. *Required for CS 306, 414, 451.* Fall.

**CS 306 Database II (3 credits)** *Prereq.: CS 303.* Students gain practical database programming experience using popular commercial database management systems such as Oracle, Microsoft SQL Server, and MySQL. Students will develop several projects using various technologies to retrieve and manipulate data from these systems. Database administration topics such as performance tuning, security, and advanced SQL will also be discussed. Spring odd.

**CS 321 Assembler Language Programming (3 credits)** *Prereq.: Credit for or concurrent enrollment in CS 227.* The students will develop insight into the complexities of high-level programming as they explore the low-level interactions of the CPU with a variety of programming examples. 80x86 assembly language is used to introduce the student to fundamental assembler concepts. The course will also address other assemblers and issues on other computing platforms. *Required for CS 432.* Fall.

**CS 326 Operating Systems (3 credits)** *Prereq.: At least "C-" in CS 227 and junior or senior.* Students will develop the skills necessary to manage, use, and control computing resources. Problems of resource allocation, process scheduling, memory management, file handling, and concurrency will be analyzed. Spring.

**CS 331 Python Programming (3 credits)** *Prereq.: CS 246.* Students will learn the Python programming language and will write multiple applications implementing various concepts within the core Python language and standard library. Fall.

**CS 335 Mobile Application Programming (3 credits)** *Prereq.: CS 246.* Students will create a variety of applications designed for handheld mobile devices such as smartphones and tablets. Interface design for portable devices will be emphasized. Programming techniques needed for memory management, web service integration, security, and API integration with mobile devices will also be discussed. Fall.

**CS 344 Networks I (3 credits)** *Prereq.: CS 214.* This course introduces the OSI model of networking and provides the student with practical insight into each layer through programming projects. Local area network hardware and software will be demonstrated. Network administration and network security concepts will be demonstrated, and students will interact with and configure various network services through programming projects. *Required for CS 346.* Fall.

**CS 346 Networks II (3 credits)** *Prereq.: CS 344.* The student, from a firm foundation of the OSI model and knowledge of LAN and Internet communications, will develop projects that demonstrate proficiency in data communications concepts. Data communication protocols will be examined, and students are required to develop projects that demonstrate concepts such as internetwork routing and messaging. Popular Internet programming/scripting languages will be used to illustrate network access implementation differences. Spring.

**CS 351 Software Engineering I (3 credits)** *Prereq.: CS 214 and sophomore or above.* This course discusses the methodologies of software engineering including software specification, prototyping, design, coding, and testing. Students will learn how to analyze software requirements and formulate a formal specification for software projects of various sizes. Software development in a team-based setting will be discussed. *Required for CS 352.* Fall.

**CS 352 Software Engineering II (3 credits)** *Prereq.: CS 351.* Students examine advanced software engineering topics from a project management perspective. The material in Software Engineering I is expanded, and additional specification, design, and testing methods are covered. Various forms of software review techniques will be practiced. *Required for CS 451.* Spring.

**CS 361 Java Programming (3 credits)** *Prereq.: Credit for or concurrent enrollment in CS 227.* Students will gain experience writing both Java applications and applets. Multi-threading, client/server processes, security and encryption, and other common development techniques will be presented and applied in projects. Fall even.

**CS 364 .NET Programming (3 credits)** *Prereq.: CS 246.* This course will demonstrate the development of event-driven programming and graphical user interfaces (GUI) on the Windows platform. The class is taught using an object-oriented approach in the Visual Studio .NET development environment. An emphasis will be placed on current Microsoft Windows programming techniques and technology. Spring.

**CS 367 Client-Side Web Programming (3 credits)** *Prereq.: CS 202 and 211.* Students will learn client-side web programming used in web applications. Emphasis will be placed on client-side scripting and browser compatibility issues. Spring even.

**CS 368 Server-Side Web Programming (3 credits)** *Prereq.: CS 202 and 211.* Students examine topics in server-side programming. Server-side scripting languages are used to demonstrate various ways of creating dynamic web pages. Projects require database integration of web pages. Students create web applications that are based on dynamic data access and storage. Spring odd.

**CS 373 Computer System Administration (3 credits)** *Prereq.: CS 271.* Students will perform common system administration tasks and develop a system security policy. *Required for CS 379.* Spring even.

**CS 376 Introduction to Applied Cryptography (3 credits)** *Prereq.: CS 202 and MA 326.* Students will explore the application of symmetric and asymmetric cryptography within and between information systems. Topics include cryptographic protocols, tools, and techniques for strengthening security across the various important aspects of computer information systems. Students will also explore various types of attacks against encrypted data and will discuss appropriate policies and processes to defend against them. Fall odd.

**CS 379 Ethical Hacking (3 credits)** *Prereq.: CS 272 and 373.* Students learn principles, methods, and techniques related to ethical hacking and penetration testing. Students learn how to utilize various tools to discover and exploit system vulnerabilities with the intent of preparing students to defend information systems against today's cyber threats. Emphasis will also be placed on both the legal and ethical implications related to engaging in these types of activities. *Required for CS 472.* Fall even.

**CS 401 Computer Science Seminar (1 credit)** *Prereq.: Junior or senior computing major.* Students analyze, present, and discuss selected topics from current literature and activities in the area of computer science. Spring.

**CS 405 Computer Hardware Maintenance (3 credits)** *Prereq.: Junior or senior.* This course will allow the student to demonstrate practical experience in analyzing, installing, troubleshooting, and repairing personal computer hardware and software through hands-on projects. Projects will focus on installing a variety of hardware including video boards, sound cards, network cards, RAM, and many other system-related devices. The various personal computer architectures and how they affect the installation of hardware and software will be discussed. Fall.

**CS 414 Systems Design (3 credits)** *Prereq.: CS 303 and senior cybersecurity or information technology concentration.* The purpose of this course is to train students in developing a small business computer application. The students will participate in teams to consider the current and future requirements of the application. The teams will develop the entire application including analysis, design, planning, coding, testing, documenting, and implementing. Student may not have concurrent enrollment in CS 452. Spring.

**CS 431 Topics in Computation (3 credits)** *Prereq.: MA 224.* The students will examine the mathematical foundation of computation. Through the study of automata of varying complexity, the student will explore the bounds of what is and what is not computable. An emphasis is placed on parsing and recognition of formal languages and grammars by various classes of automata, culminating with an in-depth coverage of the Turing Machine. Fall.

**CS 432 Computer Architecture (3 credits)** *Prereq.: CS 321.* The functioning of computers on the hardware level is examined in detail. Students will learn how computer hardware components interact in a computer system. The conversion of source code into machine language will be discussed and used in projects. An emphasis will be placed on understanding data flow through the various types of current and past microprocessors, storage devices, computer memory, and other hardware components. Spring.

**CS 441 Computer Graphics Programming (3 credits)** *Prereq.: CS 214.* Popular topics in computer graphics programming will be discussed and explored. Students will examine programming and formatting issues relating to both 2-D and 3-D graphics. Algorithms and formulas necessary in processing 2-D and 3-D graphics will also be discussed and examined. Students will produce several projects designed to broaden their technical and programming skills. Fall odd.

**CS 442 Programming Languages (3 credits)** *Prereq.: CS 214.* This course will expose the students to a variety of lesser-known programming languages. The various concepts and theories of programming languages will be explored, and students will produce several projects demonstrating these concepts and theories. The languages explored include Python, FORTH, Prolog, Lisp, and Awk. Other popular languages and concepts will be introduced as the subject warrants. Spring.

**CS 451 Software Engineering Project I (3 credits)** *Prereq.: At least "C-" in CS 227, credit for or concurrent enrollment in CS 303 and 352, and computer science concentration.* This course is the first of two capstone courses for computer science students. Students will use material from previous courses to design, create, test, implement, and maintain a large software system. The focus of this course will be the completion of the initial phases of software development in a team setting. Students will complete the requirements analysis, specification, design, and prototyping phases of the project. Students will gain experience in presenting their work both orally and in writing for each of these stages of the process. Initial coding will be started in this course and completed in CS 452 the following semester. *Required for CS 452.* Fall.

**CS 452 Software Engineering Project II (3 credits)** *Prereq.: CS 451.* This course is the second of two capstone courses for computer science students. Students will continue and complete the development, coding, and testing of the software projects started in CS 451. Students will develop both the final software project and appropriate support documentation for both customers and future developers. The final product will be tested using a variety of techniques, and a set of tests capable of being used for ongoing product maintenance will be developed. Students will gain experience presenting their final system to their peers and faculty members at the annual Software Expo. Student may not have concurrent enrollment in CS 414. Spring.

**CS 471 Information Security Management (3 credits)** *Prereq.: CS 271 and junior or senior computing major.* Students learn the fundamentals of security from a managerial perspective with regards to design, implementation, maintenance, and disaster recovery. Students learn commonly used frameworks and methods and evaluate the suitability of these for addressing today's organizational security needs. Fall even.

**CS 472 Digital Forensics (3 credits)** *Prereq.: CS 379.* Students will learn tools and techniques for incident response as well as forensic examination and presentation within the legal framework. Spring odd.

## General Education

**ED 101 Philosophy of Christian Education (3 credits)** Students will learn the history, principles, and philosophy of education in general and the distinctives of a Christian-traditional philosophy of education in particular. Guidance in identifying the personal and educational qualifications for teaching on preschool, elementary, and secondary levels is given in order to help students determine their individual interests and aptitudes. Observation is an integral part of this course. *Required for ED 219, 251; EE 201, 205; SE 201.* Fall, Spring.

**ED 102 Personal and Community Health (2 credits)** Students will acquire basic knowledge in proper and personal health practices and habits. Students will also discuss community health issues and safety practices affecting homes, schools, and daycare facilities. Fall, Spring.

**ED 210, 310, 410 Early Childhood Education Practicum (1 credit each)** *Prereq.: At least "C-" in EE 201; early childhood concentration or education minor; and approval from chair of education.* This course has been designed to expose the elementary education major with an early childhood concentration or education minor to practical experience in an approved local Christian kindergarten under the supervision of a classroom teacher. The course requires spending a minimum of 45 hours working at the school in actual kindergarten teaching responsibilities along with a variety of other projects. This course is offered during Interterm and normally can be taken in the vicinity of the student's home. *Required for ED 310 (each level required for the next one), EE 450.* Interterm.

**ED 211, 311, 411 Education Field Experience (1 credit each)** *Prereq.: At least "C-" in EE 201 or SE 201.* This course is required of all education majors and can be elected by education minors. The student participates in a teaching experience in his hometown on a grade level appropriate to his major (early childhood—preschool-kindergarten; elementary—grades 1–6; secondary—grades 7–12) during one summer of his enrollment as an education major. Various teaching responsibilities such as Sunday school classes, children's church, youth groups, sports teams, etc., may be acceptable in meeting the requirements of this course. *Required for ED 311 (each level required for the next one); EE 420, 450; SE 420.* Summer.

**ED 219 Teaching the Reluctant Learner (2 credits)** *Prereq.: At least "C-" in ED 101.* Students learn effective instructional strategies to increase academic achievement in unmotivated and reluctant students who potentially "fall through the cracks." Fall, Spring.

**ED 251 Introduction to Music Education (3 credits)** *Prereq.: At least "C-" in ED 101 and sophomore or above with a major in music education.* This course is designed as a foundational teaching skills course and involves the student in current reading, various methods of instruction, and the operation and use of classroom visuals and equipment. Observation and peer teaching are important elements of this course. This course is a prerequisite to all 300- and 400-level music education courses. *Required for ED 259, 260, 351, 362, 363.* Fall.

**ED 259 Music Education Practicum (1 credit)** *Prereq.: At least "C-" in ED 251; music education major; and approval from chair of education.* This course has been designed to expose the music education major to practical experience in an approved local Christian elementary or secondary school under the supervision of the music faculty. This course requires spending a minimum of 45 hours working at the school in actual teaching responsibilities along with a variety of other projects. This course is offered during Interterm and normally can be taken in the vicinity of the student's home. *Required for ED 450.* Interterm.

**ED 260 Introduction to Special Education (3 credits)** *Prereq.: Credit for or concurrent enrollment in ED 251, 430; EE 201; or SE 201.* Students learn the history, legal aspects, and current trends of special education including characteristics of K-12 exceptional learners and examine assessment and intervention strategies for intellectual, emotional, and physical disabilities. *Required for ED 361.* Fall, Spring.

**ED 301 Tests and Measurements (1 credit)** *Prereq.: Elementary education major, education minor or emphasis, or concurrent enrollment in SE 420.* After students study the nature, principles, and use of testing as an appraisal of learning, they will be able to develop formal and informal measurement tools for classroom use on the elementary and secondary levels. *Required for SE 420.* Fall, Spring.

**ED 306 Computer Applications in Education (1 credit)** *Prereq.: Credit for or concurrent enrollment in: CS 101 [or proficiency], and either EE 201 or SE 201.* Future teachers will learn how to enhance personal productivity and classroom instruction with computer applications specific to educational use. Meets 2 hours a week. Fall, Spring.

**ED 322 Educational Psychology (3 credits)** *Prereq.: Junior or senior.* Students examine the development of the learner, the learning process, and the learning environment and apply this to areas such as classroom management, methodology, and motivation. Students will analyze historical and progressive theories of learning and contrast them with a Christian-traditional philosophy of education. This course may be taken as a social science elective. Offered on campus: Fall, Spring; online: Interterm, Summer.

**ED 351 Teaching Elementary Music (2 credits)** *Prereq.: At least "C-" in ED 251 or SE 201, junior or senior music education major or second teaching field, and 12 hours of music with at least "C-."* Students learn concepts and methodology for successful private and group teaching at the elementary level. *Required for ED 352, 450.* Fall.

**ED 352 Teaching Secondary Music (2 credits)** *Prereq.: ED 351.* Students learn concepts and methodology for successful private and group teaching at the secondary level. *Required for ED 450.* Spring.

**ED 361 Instructional Methods for Exceptional Learners (3 credits)** *Prereq.: ED 260.* Students apply a biblical perspective of Christian-traditional education when developing instructional objectives and methods for the exceptional learner. *Required for ED 363.* Fall.

**ED 362 Classroom and Behavior Management (3 credits)** *Prereq.: ED 251, 430; EE 201; or SE 201.* Students examine causes and correlated factors of emotional and behavioral difficulties and develop preventative and corrective classroom management techniques including functional behavior assessments and intervention plans. *Required for ED 363.* Spring.



**ED 363 Family and Professional Partnerships (3 credits)** *Prereq.: ED 251, 430; EE 201; or SE 201.* Students examine family and professional partnership practices designed to help children, adolescents, and exceptional learners in the Christian-traditional classroom. Fall.

**ED 364 Special Education Assessment and Planning (3 credits)** *Prereq.: ED 361 and credit for or concurrent enrollment in ED 362.* Students learn to identify behavioral and learning difficulties through the design, administration, and interpretation of informal and formal assessment instruments; develop individual education and transition plans based on assessment results; and monitor student progress. Spring.

**ED 413 Child Growth and Development (3 credits)** This course presents an overview of mental, spiritual, physical, and social aspects of childhood development from beginners to juniors (ages 6–12). Students apply this knowledge to the classroom by also learning effective techniques for teaching the developing learner and for training godly character in relation to current social and cultural influences. This course may be taken as a social science elective. Fall, Spring.

**ED 415 Adolescent Growth and Development (3 credits)** This course limits itself to the study of the adolescent period of development. The student will learn the psychological challenges and changes experienced by adolescents. Topics studied include friends, dating, discipline, authority, responsibility for decision making, communication, home, church, and society. This course may be taken as a social science elective. *Required for SE 420.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**ED 419 Teaching Internship Orientation (1 credit)** *Prereq.: Approval from chair of education; must be taken the same academic year as teaching internship.* This course is required of all education majors and is prerequisite to EE 420, EE 450, MU 420, and SE 420 Teaching Internships. Through classroom observations and participation in beginning-of-the-year meetings and activities at Pensacola Christian Academy, the senior education major is prepared for the teaching internship as well as the first year of teaching. *Required for ED 450; EE 420, 450; SE 420.* Pre-term.

**ED 430 Instructional Methods (2 credits)** *Prereq.: Senior non-education major or minor.* Students receive training and experience in classroom teaching methods and materials for non-education majors. *Required for ED 260, 362, 363.* Fall, Spring.

**ED 448 Early Childhood Administration (3 credits)** This course equips the student to administer a traditional early childhood program with emphasis on the practical aspects of the daily operation, organization, and supervision. Students learn how to make policies based on regulations and sound finances as well as to recognize well-designed facilities, create promotional materials, and plan special events. Fall, Spring.

**ED 450 Music Teaching Internship (7 credits)** *Prereq.: ED 259, 351, 352, 419; major emphasis methods course; senior; at least "C-" in all education courses; 2.00 cumulative GPA or higher; and approval from chair of education.* In this capstone course, music education majors spend one semester in supervised teaching at Pensacola Christian Academy in the private studio, rehearsal hall, and classroom. A weekly support seminar is included with the internship experience. Begins Pre-term in the fall.

## Elementary Education

**EE 201 Materials and Methods (3 credits)** *Prereq.: At least "C-" in ED 101 and sophomore or above; elementary education major or broad field, education minor or emphasis, special education minor, or teaching English broad field.* This course is an introduction to the materials and general methods employed in teaching elementary school. The student learns practical techniques and skills used in lesson planning, classroom management, parent/teacher conferences, and the effective use of instructional technology in the elementary school. Multi-level classroom observation and peer teaching are included. This course is a prerequisite to all 300- and 400-level elementary education courses. *Required for ED 210, 211, 260, 306, 362, 363; EE 210, 301, 306, 308, 311, 317, 321, 325, 330, 343.* Fall, Spring.

**EE 205 Intensive Phonics Instruction (2 credits)** *Prereq.: ED 101; sophomore or above; elementary education major or broad field, education minor or emphasis, or teaching English broad field.* This course is an introduction to the content and techniques used in intensive phonics instruction. Students master the phonics sounds and practice teaching in preparation for teaching reading. *Required for EE 317.* Fall, Spring.

**EE 207 Early Childhood Development (2 credits)** This course is a study of the development of the preschool child including physical, mental, social, emotional, and spiritual aspects. Students will learn techniques for promoting maturation in each of these areas. Emphasis is placed on the characteristics of infants through five-year-olds and guiding the preschool child's development to his fullest capacity. Spring.

**EE 210, 310, 410 Elementary Education Practicum (1 credit each)** *Prereq.: At least "C-" in EE 201; elementary education major or education minor or emphasis; and approval from chair of education.* This course has been designed to expose the elementary education major, education minor, or emphasis to practical experience in an approved local Christian elementary school under the supervision of a classroom teacher. The course requires spending a minimum of 45 hours working at the school in actual teaching responsibilities along with a variety of other projects. These courses are offered during Interterm and normally can be taken in the vicinity of the student's home. *Required for EE 310 (each level required for the next one), 420.* Interterm.

**EE 215 Arithmetic Skills for the Elementary School (2 credits)** *Prereq.: Elementary education major or broad field.* This course is a review of the arithmetic concepts taught in kindergarten and elementary grades. Students will master arithmetic skills needed to teach these topics. *Required for EE 301.* Fall, Spring.

**EE 301–325 Teaching methods courses are open to elementary education majors who have at least "C-" in EE 201. Additional prereqs. listed beside courses below.** Important components of each methods course are the observation of experienced teachers and the peer teaching experiences. Each course includes a weekly practice lab experience.

**EE 301 Teaching Arithmetic (2 credits)** *Additional prereq.: At least "C-" in EE 215 and junior or senior.* This course explains the concepts, materials, and methods needed to teach arithmetic on the elementary level. Students will learn innovative techniques and use the latest materials. *Required for EE 420.* Fall, Spring.

**EE 306 Teaching Art and Music (1 credit)** This course acquaints the student with the content, principles, procedures, and basic materials necessary for the teaching of elementary classroom art and music. Through lab experiences, students will demonstrate how to make an art project, conduct a directed drawing, teach a music lesson, and conduct songs. *Required for EE 420, 450.* Fall, Spring.

**EE 308 Teaching PE in Elementary Schools (2 credits)** *Additional prereq.: PE 195 and junior or senior.* Students will learn how to plan, schedule, and administer a physical education program at the elementary school level. Students gain experience in elementary physical education classes. Topics include fitness, legal liability, and discipline as applied to physical education. *Required for EE 420.* Fall, Spring.

**EE 311 Teaching Penmanship (1 credit)** This course prepares students to teach and evaluate penmanship and provides instruction and practice time to perfect their own handwriting. *Required for EE 420, 450.* Fall, Spring.

**EE 317 Teaching Reading (2 credits)** *Additional prereq.: EE 205 and junior or senior.* This course educates students in current trends in reading instruction, the nature of the reading process, and instructional strategies. Students practice the skills and methods needed to teach the phonics-first approach to beginning reading as well as reading comprehension. *Required for EE 420, 450.* Fall, Spring.

**EE 321 Teaching Science and History (2 credits)** *Additional prereq.: Junior or senior.* This course examines the content, organization, objectives, materials, trends, and practices in teaching science and history at the elementary school level. The student reviews basic concepts in physical science, biology, astronomy, geology, meteorology, world history, and geography. *Required for EE 420.* Fall, Spring.

**EE 325 Teaching Language Arts (2 credits)** *Additional prereq.: Junior or senior.* The basic language arts concepts of composition, traditional grammar, and spelling are reviewed and practiced, along with the most effective methods of teaching them. Students create teaching materials and collect teaching ideas. *Required for EE 420, 450.* Fall, Spring.

**EE 330 Teaching Bible (2 credits)** *Prereq.: Sophomore or above; or junior or senior elementary education major and at least "C-" in EE 201.* Students learn to teach Bible in a variety of settings using Bible songs, Bible verses, and Bible stories. The course emphasizes practical helps, actual practice, and teaching experiences with children. *Required for EE 420, 450.* Fall, Spring.

**EE 343 Teaching Preschoolers (2 credits)** *Prereq.: EE 201 and junior or senior early childhood concentration.* This course develops in students a knowledge of curriculum, materials, and methods used in teaching the preschool child. Students will develop teaching techniques through observation of preschool classes and practice teaching opportunities. *Required for EE 450.* Fall, Spring.

**EE 412 Children's Literature (2 credits)** This course affords students the opportunity to read widely from the best in children's literature and become acquainted with well-known authors and illustrators. Emphasis is placed on the important role of literature in the life of the child. Students will use evaluation skills and principles for selecting quality literature and develop a resource journal of appropriate children's literature. Fall, Spring.

**EE 420 Elementary Teaching Internship (12 credits)** *Prereq.: ED 211, 419, EE 210, 301, 306, 308, 311, 317, 321, 325, 330; senior; at least "C-" in all education courses; 2.00 cumulative GPA or higher; and approval from chair of education.* In this capstone course, elementary education majors spend one semester in supervised classroom teaching at Pensacola Christian Academy. A weekly support seminar is coordinated with the internship experience. Begins Pre-term in the fall.

**EE 450 Early Childhood Teaching Internship (12 credits)** *Prereq.: ED 210, 211, 419, EE 301, 306, 311, 317, 325, 330, 343; senior; at least "C-" in all education courses; 2.00 cumulative GPA or higher; and approval from chair of education.* In this capstone course, elementary education majors with an early childhood concentration spend one semester in supervised classroom teaching at Pensacola Christian Academy. A weekly support seminar is coordinated with the internship experience. Begins Pre-term in the fall.

## Engineering

*Prereq. for all EG courses is a major in engineering with electrical or mechanical concentration.*

**EG 103 Engineering Orientation (2 credits)** *Prereq.: At least "C-" or concurrent enrollment in MA 131 or 221.* A brief survey of major engineering topics will give the student an overall understanding of the career of engineering. *Required for EG 205.* Fall, Spring.

**EG 106 Engineering Graphics (2 credits)** Students learn to communicate engineering design through technical sketching, computer-aided drafting, and solid modeling. Students generate 2-D and 3-D part models, drawings, and assemblies using current industry-standard software. 1 hour lecture, plus lab. *Required for ME 412.* Fall, Spring.

**EG 201 Materials Science (3 credits)** *Prereq.: At least "C-" in CH 111.* The student learns the basic mechanical, thermal, and other properties of engineering materials including metals, ceramics, polymers, and composites. *Required for ME 331, 412.* Spring.

**EG 205 Statics (3 credits)** *Prereq.: At least "C-" or concurrent enrollment in PY 231; at least "C-" in MA 221; and EG 103 or EL 107.* Students learn the use of vector mechanics and the free-body diagram in the solution of systems of forces in equilibrium including trusses, friction, center of gravity, and moment of inertia. *Required for EG 206, 208.* Fall.

**EG 206 Mechanics of Materials (3 credits)** *Prereq.: EG 205 and at least "C-" in MA 222 and PY 231.* The student performs analysis of stress and strain, deformation, torsion, and loading in beams, connections, and columns. 3 hours lecture, plus lab. *Required for ME 331, 412.* Spring.

**EG 208 Dynamics (3 credits)** *Prereq.: EG 205 and at least "C-" in MA 321 and PY 231.* Students learn the application of vector mechanics to the solution of problems involving plane motion; force, mass, and acceleration; impulse and momentum; and work and energy. *Required for ME 310, 331, 415.* Spring.

**EG 321 Electrical Circuits (4 credits)** *Prereq.: At least "C-" in MA 322 and PY 232.* The student learns the relationships among current, voltage, and power in direct- and alternating-current circuits. 3 hours lecture, plus lab. *Required for EG 322, ME 422.* Fall.

**EG 322 Electrical Systems (2 credits)** *Prereq.: EG 321.* Students learn the basic concepts of energy systems including AC power systems and rotating machines. 1 hour lecture, plus lab. *Required for ME 405.* Spring.

**EG 341 Numerical Methods for Engineering (3 credits)** *Prereq.: At least "C-" in MA 322.* This course is designed to enable the student to use computer software in solving engineering problems involving six areas of mathematics: roots of equations, systems of linear algebraic equations, curve fitting, numerical differentiation and integration, and ordinary differential equations. This course may be taken as a mathematics elective by mathematics minor or teaching field. Fall.

**EG 425 Engineering Economics and Professional Issues (3 credits)** *Prereq.: At least "C-" in MA 220 or 221.* Students learn principles and techniques used to make rational decisions about the acquisition and retirement of capital goods by industry and government in recognition of the time value of money. A strong emphasis will be placed on solving engineering economics problems. Professional issues are covered including ethics, professional communication skills, and social aspects of engineering practice. Fall.

## Electrical Engineering

*Prereq. for all EL courses is a concentration in electrical engineering.*

### **EL 107 Introduction to Electrical Engineering and Digital Logic Design (2 credits)**

*Prereq.: At least "C-" or concurrent enrollment in MA 221.* Students receive a brief overview of the engineering disciplines. Students learn binary arithmetic, Boolean algebra, logic minimization, Karnaugh maps, design and application of digital systems. Traditional design methods are learned and applied to produce combinational and sequential logic systems including finite-state machines. *Required for EG 205, EL 148.* Fall.

**EL 148 Introduction to Microprocessors (3 credits)** *Prereq.: EL 107.* Students learn the fundamental concepts of microprocessor architecture, basic computer organization, bus architecture, and the 8085 microprocessor instruction set. Students develop assembly language programs and compile to produce machine-level code to achieve assigned tasks. Students learn the role of software in controlling the hardware components of microprocessor-based systems with hands-on programming exercises. 2 hours lecture, plus lab. *Required for EL 347.* Spring.

**EL 223 Circuits I (4 credits)** *Prereq.: At least "C-" or concurrent enrollment in MA 322.* Students learn the fundamental concepts, units, network theorems, network simplification, and laws applied in DC circuit analysis. Passive and active circuit elements are introduced. Transient analysis of first- and second-order systems is presented. Circuit analysis using SPICE is introduced. The lab is an introduction to computer methods, instruments, devices, and measurements in electrical networks. 3 hours lecture, plus lab. *Required for EL 224.* Fall.

**EL 224 Circuits II (4 credits)** *Prereq.: EL 223 and at least "C-" or concurrent enrollment in MA 322.* Students begin with transient analysis of second-order circuits based on differential equations and then use phasor analysis to solve linear circuit problems including magnetically coupled circuits, ideal transformers, steady-state power and balanced three-phase circuits. Phasor analysis is extended to investigate resonance and frequency-selective circuits. Fourier analysis is introduced. Laplace Transforms are applied to model and analyze transients in circuits and the concepts are linked to transient analysis based on differential equations. In the lab, students make voltage, current, and power measurements and characterize coupled, resonant, and frequency-selective circuits. Students use computer simulation to apply the principles of Fourier series. 3 hours lecture, plus lab. *Required for EL 326, 331, 341.* Spring.

**EL 326 Linear Systems (3 credits)** *Prereq.: EL 224 and at least "C-" in MA 322 and 326.* This course teaches students to utilize Fourier Series, the Fourier Transform, Laplace Transforms, and Z-transforms to analyze continuous- and discrete-time linear systems in time and frequency domains. *Required for EL 426, 445.* Spring.

**EL 331 Electromagnetic Fields (3 credits)** *Prereq.: EL 224 and at least "C-" in MA 321 and 322 and PY 232.* Students learn topics including vector analysis, static electric fields, energy and potential, static magnetic fields, and inductance. *Required for EL 332.* Fall.

**EL 332 Electromagnetic Waves (3 credits)** *Prereq.: EL 331.* Students learn about Maxwell's equations, electromagnetic wave propagation and reflection in various media, transmission lines, rectangular wave guides, and antennas with lab involvement. 2 hours lecture, plus lab. *Required for EL 431.* Spring.

**EL 341 Electronics I (4 credits)** *Prereq.: EL 224 and at least "C-" in PY 232.* Students learn basic semiconductor theory and application of electronic devices and circuits using diodes, bipolar transistors, and FETs. Single stage analog circuits are covered and digital circuits are introduced. 3 hours lecture, plus lab. *Required for EL 342, 347.* Fall.

**EL 342 Electronics II (4 credits)** *Prereq.: EL 341.* Students learn to apply small signal analysis and frequency response in designs of single- and multiple-stage amplifiers using BJTs and MOSFETs. Negative feedback and stability issues of amplifiers are introduced. 3 hours lecture, plus lab. *Required for EL 445, 446.* Spring.

**EL 347 Advanced Digital Logic Design (3 credits)** *Prereq.: EL 148 and credit for or concurrent enrollment in EL 341.* Students learn advanced digital logic design using Verilog Hardware Description Language (HDL) in hierarchical modeling, gate-level modeling, dataflow modeling, behavioral modeling, and switch-level modeling. Students create HDL design and verification modules for combinational and sequential logic including finite-state machine (FSM) systems. Students design Rapid Prototyping of the combinational and sequential logic using Field Programmable Gate Arrays (FPGA). Design project. 2 hours lecture, plus lab. *Required for EL 352.* Fall.

**EL 352 C Programming for Electrical Engineers (3 credits)** *Prereq.: EL 347.* Students learn C programming language to develop both general purpose programs and programs for hardware control in embedded microcontroller systems using common development tools. *Required for EL 443.* Spring.

**EL 361, 461 Electrical Engineering Practicum (1 credit each)** *Prereq.: Junior or senior; electrical engineering concentration; and approval from chair of engineering and computer science.* Students receive practical engineering experience in this elective course conducted for a minimum of 40 hours at an approved off-campus facility supervised by a practicing professional. Students are required to document their involvement and contemplate details related to problem solving, teamwork, current practice, and the flexibility observed in engineering scenarios. *EL 361: required for EL 461.* Both sem., Interterm, and Summer.

**EL 426 Automatic Control Systems (3 credits)** *Prereq.: EL 326.* Students learn analysis and design of linear feedback systems along with mathematical modeling. Transfer functions and signal-flow graphs are presented. Both state variable analysis and time-domain analysis along with frequency-domain analysis and design of linear control systems are given. Design project. Spring.

**EL 431 Power Systems (3 credits)** *Prereq.: EL 332.* Students analyze and design balanced power systems including transmission lines and transmission networks in balanced fault situations. Students are introduced to circuit protection techniques and over-current device coordination. Transmission line design project. Fall.

**EL 443 Electronics Design Lab (2 credits)** *Prereq.: EL 352, credit for or concurrent enrollment in EL 445, and senior.* Students design, construct, and test subsystems typical in electronic equipment using modern design methods and electronic design automation tools in the context of the senior design project to be completed in EL 450. Typical subsystems included are microcontrollers, oscillators, amplifiers, and DC power supplies using analog and digital integrated circuits and discrete components. Students prepare project plans and requirements documents for their senior design project to be implemented in EL 450. *Required for EL 450.* Fall.

**EL 445 Communication Systems (4 credits)** *Prereq.: EL 326 and 342.* Students learn to evaluate and design communication systems utilizing Fourier and random-signal analysis along with the amplitude, frequency, pulse, pulse-code modulation and demodulation with multiplexing. Design project. 3 hours lecture, plus lab. *Required for EL 443.* Fall.

**EL 446 Analog VLSI Design (3 credits)** *Prereq.: EL 342.* Students learn the details of complementary-metal-oxide semiconductor (CMOS) technology, CMOS fabrication, design methods, and physical implementation (layout) of analog CMOS integrated circuits using current simulation and layout tools for design verification. 2 hours lecture, plus lab. Spring.

**EL 450 Electrical Engineering Design (3 credits)** *Prereq.: EL 443 and senior graduating in May or December.* A capstone design project is completed which integrates the coursework of the electrical engineering curriculum using modern design methods and tools. Design teams complete the design project for the project proposal approved in EL 443. Design project. 1 hour lecture, plus lab. Spring.

## English

**EN 099 Basic English Language (3 credits)** Students acquire understanding of the basic grammatical structure of English. This course will emphasize the correct use of words, phrases, and sentences. Credit for EN 099 is not applicable toward English elective or graduation requirements. *Required for EN 121.* Fall, Spring.

**EN 110 Conversational English (3 credits)** *Prereq.: Students whose native language is not English.* This course offers basic practice in spoken English for the nonnative speaker. Students will work on their oral communication and participation. This course may not be used for an English major, minor, or teaching field. Fall, Spring.

**EN 121 English Grammar and Composition I (3 credits)** *Prereq.: English placement exam or at least "C-" in EN 099.* Students learn traditional grammar and mechanics. Additionally, students will learn how to write essays focusing on effective paragraphs, sentences, and diction. Meets 4 hours a week. Students must earn a minimum grade of "C-," regardless of their major. *Required for BA 220; EN 126, 360; NU 203.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**EN 123 English Grammar and Composition I (3 credits)** *Prereq.: English placement exam.* Students learn traditional grammar and mechanics. Additionally, students will learn how to write essays focusing on effective paragraphs, sentences, and diction. Students must earn a minimum grade of "C-," regardless of their major. *Required for BA 220; EN 126, 360; NU 203.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**EN 126 English Grammar and Composition II (3 credits)** *Prereq.: At least "C-" in EN 121 or EN 123 or English placement exam.* This course focuses on developing students' ability to write persuasively and to conduct research. Students will write argumentative, researched essays and papers, focusing on effective content, organization, sentence structure, and diction. Students must earn a minimum grade of "C-," regardless of their major. *Required for BA 403; CJ 306; EN 210, 251, 252, 291, 301, 360, 362, 430; HI 200; NU 203; PW 301, 305, 325; SP 400.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**EN 210 Introduction to Literature (3 credits)** *Prereq.: EN 126.* The student will be introduced to the worldview of major British and American authors and works from *Beowulf* to the twentieth century. The student will study the meaning, philosophy, literary qualities, and historical context of the works presented. *Required for EN 251, 252, 418; SP 447.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**EN 251 British Literature (3 credits)** *Prereq.: EN 210; or EN 126 and sophomore or above with a major, concentration, or teaching field in English.* This course emphasizes the major authors and works from *Beowulf* to the modern era. Students will develop their literary analysis skills. *Required for EN 291, 312, 315, 318, 348, 402, 405, 418, 423; SE 304.* Fall, Spring.

**EN 252 American Literature (3 credits)** *Prereq.: EN 210; or EN 126 and sophomore or above with a major, concentration, or teaching field in English.* This course emphasizes the major authors and works from the colonial period to the modern era. Students will develop their literary analysis skills. *Required for EN 291, 307, 310, 348, 414.* Fall, Spring.

**EN 291 Writing and Research in Literary Studies (3 credits)** *Prereq.: EN 126, sophomore or above, and credit for or concurrent enrollment in EN 251 or 252.* The students will learn to analyze literature while developing their research and writing skills. Fall.

**EN 301 Creative Writing (3 credits)** *Prereq.: EN 126.* Students study and practice the tools of effective writing in areas of personal interest while maintaining a balance between creativity and adherence to standards for quality writing. Special attention is given to poetry, characterization, and other forms of imaginative writing. *Required for EN 401; PW 299, 408, 421, 422; SE 304.* Fall, Spring.

**EN 307 American Romanticism (3 credits)** *Prereq.: EN 252.* This course focuses on major selections of American Romantic authors such as Hawthorne, Poe, Melville, Whitman, and others. Students will analyze each writer's themes, philosophies, literary techniques, and structure as they gain an appreciation for each writer's works. Offered on campus: Fall odd; online: Interterm, Summer.

**EN 310 American Novel (3 credits)** *Prereq.: EN 252.* Students learn the development of the American novel through the study of philosophy, theme, characterization, and other literary characteristics as they read representative novels by Hawthorne, Twain, Howells, and others. Spring even.

**EN 312 Victorian Literature (3 credits)** *Prereq.: EN 251.* This course focuses on major poems, essays, and novels of the British Victorian Era. Students will analyze works for meaning, structure, literary techniques, and philosophy. Spring even.

**EN 315 Shakespeare (3 credits)** *Prereq.: EN 251.* Students will learn the essentials concerning the life and times of William Shakespeare and selected major plays (comedies, tragedies, and histories). Fall, Spring.

**EN 318 English Romantic Poetry (3 credits)** *Prereq.: EN 251.* Selections from prominent writers of the Romantic Era are studied for the purpose of understanding and appreciating their poetic styles and recognizing the philosophy of the Romantic Movement. The student will learn how to recognize literary themes and to interpret significant literary passages from a traditional Christian perspective. Spring odd.

**EN 348 Late 19th–Mid 20th Century Poetry (3 credits)** *Prereq.: EN 251 and 252.* Students learn selected poetry of the late 19th through the mid-20th century including poems penned by William Butler Yeats, Robert Frost, and Wallace Stevens. Fall even.

**EN 360 Advanced English Grammar and Composition (3 credits)** *Prereq.: At least "C-" in EN 121 (or EN 123) and in EN 126.* This course provides a detailed study of traditional grammar and guides students in writing clear and graceful prose. *Required for PW 299, 302; SE 304.* Fall, Spring.

**EN 362 History and Trends of the English Language (3 credits)** *Prereq.: At least "C-" in EN 126 and sophomore or above.* This course provides an in-depth analysis of the history and trends of the English language. Students learn the history of the language, the importance of traditional grammar and usage, the philosophies of language, and the influence of trends on the language. Fall, Spring.

**EN 401 Advanced Creative Writing (3 credits)** *Prereq.: At least "C-" in EN 301.* This course provides the creative writing student instruction in crafting fiction and poetry. The student will learn the elements of character, plot, conflict, and dialogue; will learn to craft both free verse and rhymed, metered poetry; and will apply the techniques of editing fiction and poetry to his own work. *Required for PW 404, 406.* Fall.

**EN 402 British Novel (3 credits)** *Prereq.: EN 251.* This course focuses on the historical development of the English novel. The student will read and analyze novels by authors such as Austen, Dickens, and Conrad. Fall odd.

**EN 405 Milton (3 credits)** *Prereq.: EN 251.* Students will learn the essentials concerning the life and times of John Milton and his representative poetry and prose. Special attention is given to *Paradise Lost*. Fall.



**EN 414 American Realism (3 credits)** *Prereq.: EN 252.* This course focuses on major works of American Realism from 1865–1920. Students will develop an appreciation for the literature of this era and analyze the selections for meaning, structure, literary techniques, and philosophy as they read and write about the selections. Spring odd.

**EN 418 World Drama (3 credits)** *Prereq.: EN 251; or EN 210 and credit for or concurrent enrollment in SP 402.* This course provides an in-depth reading and interpretation of representative international dramas from ancient Greece to the twentieth century. The student will analyze the works' themes, genre, philosophy, and dramatic techniques. Offered on campus: Fall; online: Interterm, Summer.

**EN 423 The Classics of Western Literature (3 credits)** *Prereq.: EN 251.* The student will examine the major pieces of poetry, drama, and prose of Western civilization from the third century B.C. until the nineteenth century A.D. Spring.

**EN 430 Writing for the Disciplines (3 credits)** *Prereq.: EN 126 and senior interdisciplinary studies major in last two semesters.* Students learn to adapt their writing to an audience, genre, or purpose within their discipline in order to communicate effectively. Students will further develop information literacy skills learned in earlier general education grammar and composition courses. Offered on campus: Fall, Spring; online: Interterm, Summer.

**EN 431 Senior Humanities Research Project (3 credits)** *Prereq.: Senior humanities major.* This capstone course is an independent study that enables the student to apply and synthesize skills in research, worldview, critical thinking, and writing emphasized in the humanities major. Fall.

**EN 441 Senior Literature Research Project (3 credits)** *Prereq.: Senior English major.* This capstone course is an independent study that enables the student to apply and synthesize skills in writing, literary analysis, research, worldview, and critical thinking emphasized in the English major. Fall, Spring.

## Family/ Consumer Sciences

**FC 111 Sewing Basics (3 credits)** Students learn the fundamental techniques of sewing. Basic clothing construction and projects for home décor will be introduced. Skills will be developed through practice in the sewing lab. Fall, Spring.

**FC 118 Food Preparation (3 credits)** Students learn essential food preparation techniques through practicing basic cooking and baking skills. *Required for FC 342.* Fall, Spring.

**FC 342 Meal Planning and Service (3 credits)** *Prereq.: FC 118.* Students will learn to consider biblical hospitality as well as cultural differences when planning, preparing, and serving various types of meals. Students gain hands-on experience in the Culinary Arts Lab. Spring.

## Finance

**FN 216 Personal Finance (3 credits)** This course introduces the issues involved in long-term financial planning. Students learn money management, credit management, home ownership, and retirement and estate planning and use these skills to prepare a personal budget, manage consumer credit, and evaluate the cost of asset ownership. In addition, the students will gain a basic understanding of insurance, taxes, and investment options and associated risk as they apply to personal finance. This course may be taken as a social science elective. Spring.

**FN 310 Financial Institutions (3 credits)** *Prereq.: BA 301.* The student will understand the monetary and financial systems in the U.S. including an analysis of money, prices, interest rates, credit, national income, and employment, all in relation to the framework in place in various foreign markets. Spring.

**FN 315 Principles of Investments (3 credits)** *Prereq.: BA 302.* This course develops the topic of investments from a personal finance perspective. Students will learn the various investment vehicles available as well as how to evaluate the risks and rewards of each type of investment. Fall.

**FN 331 Financial Statement Analysis (3 credits)** *Prereq.: BA 302.* Students will learn fundamental techniques of financial statement analysis and their application to strategic planning and financial decision making. Students will learn to analyze and interpret financial information including the balance sheet, income statement, and statement of cash flows. This course may be taken as an accounting elective. Fall.

**FN 433 International Finance (3 credits)** *Prereq.: Credit for or concurrent enrollment in BA 302.* In addition to learning the goals of and risks faced by multinational corporations (MNCs), students learn the characteristics of and financial instruments used in international markets. Students also learn how inflation, national income, and agencies affect international trade and how inflation and interest rates affect currency exchange rates. From this knowledge, students are able to hedge risk through forward and futures contracts. Fall.

**FN 447 Financial Modeling and Forecasting (3 credits)** *Prereq.: BA 302; and BA 322 or MA 326.* Students gain facility in several modeling and forecasting techniques such as the Gordon model, CAPM, and Black-Sholes, with an emphasis on the statistical analysis of economic and financial data. Using this knowledge, students construct spreadsheets to generate pro forma statements; perform sensitivity analysis; and assist in capital budgeting, firm valuation, and working capital management decisions. *Required for FN 452.* Fall.

**FN 448 Advanced Portfolio Management (3 credits)** *Prereq.: BA 302 and FN 315.* Students will use portfolio theory and asset pricing models to determine rational investment and portfolio management policies. Students will also analyze expected returns to determine the optimal portfolio mix for hypothetical clients and will perform risk assessment and performance evaluation to minimize portfolio risk while maximizing returns. Spring.

**FN 452 Case Studies in Finance (3 credits)** *Prereq.: FN 447.* Students will apply financial theories to “real world” situations and will develop the ability to analyze financial scenarios and practice the communication skills required in a business environment. Students will perform analytical reviews of financial statements, calculate capital budgets and cost of capital for decision-making, and will prepare cash budgets. Students will also learn to identify the interrelationships among financial statement components to generate financial projections. Spring.

## History

**HI 101 History of Civilization (3 credits)** This course is a survey of the major civilizations of the ancient and medieval world and their contributions to history. Concise histories of the Middle East, Asia, and Africa, along with the development of Western civilization from the earliest writings of ancient man to the emergence of modern Europe from medieval culture serve to provide the student a panoramic view of history. Students will learn the importance of the religious, political, legal, and cultural aspects of the ancient, medieval, and early modern world as seen from a Christian perspective. *Required for BB 411, 412; HI 200, 310, 403, 417.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**HI 102 History of Civilization (3 credits)** Beginning with an examination of the founding of the United States and its Constitution as contrasted with the French Revolution and its ramifications, this course traces the emergence of the modern world. Students will learn the importance of the philosophies and current geopolitical trends that have helped to shape modern history. *Required for BB 411, 412; HI 200, 310, 410, 411, 412, 424.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**HI 200 Introduction to Historical Studies (3 credits)** *Prereq.: HI 101, 102, EN 126, and sophomore or above.* Students gain knowledge in philosophy of history and develop skills in historiography, interpretive methodology, and historical writing. HI 200 may not be taken as an HI elective by students with a secondary education history concentration. Spring.

**HI 201 United States History (3 credits)** This course is a detailed examination of America's social, political, religious, and economic beginnings from the discovery of America through 1876. Students analyze the factors that have encouraged capitalism, free enterprise, nationalism, and the Christian faith. *Required for HI 315, 318; PL 313; SE 306.* Offered on campus: Fall; online: Interterm, Summer.

**HI 202 United States History (3 credits)** Students learn of the rise of America to a world power from the Gilded Age to the present. A Christian view of the people and events is the basis for this course in both domestic and foreign affairs. *Required for HI 405, PL 313, SE 306.* Offered on campus: Spring; online: Interterm, Summer.

**HI 211 World Geography (3 credits)** *Prereq.: Sophomore or above.* The student will learn man's relationship to his physical, cultural, economic, and political structures in the various regions of the world. This course may be taken as a social science elective. *Required for SE 306.* Fall, Spring.

**HI 300 History and Principles of Free-Market Economics (3 credits)** The student will assess the principles of supply, demand, inflation, employment levels, financial institutions, fiscal and monetary policy, global markets, and economic theory from a free-market perspective. This course may be taken as a social science elective. Fall, Spring.

**HI 310 History of England (3 credits)** *Prereq.: HI 101 and 102.* The student examines English history with emphasis upon the post-Reformation Era. Special attention is given to political and religious developments in England that have influenced American and world governments up to the present time. Fall, Spring.

**HI 315 Colonial America (3 credits)** *Prereq.: HI 201 and sophomore or above.* Beginning with the discovery of the New World, this course examines the English settlement of North America. Students analyze the political development that ended in the War of Independence. Special treatment is given to the religious heritage of this period. Fall even.

**HI 318 American Westward Expansion (3 credits)** *Prereq.: HI 201 and sophomore or above.* This course examines America's westward expansion from 1790 to 1890 with an emphasis upon the significance of the frontier in America's development as a nation. Spring even.

**HI 351 Pre-Law Internship (3 credits)** *Prereq.: BA 201 and approval from chair of humanities.* This internship of 120 hours provides an opportunity for the student to gain practical knowledge about a career in law or with an organization or firm that works directly with legal issues and/or policies. Interterm, Summer.

**HI 399 Pre-Law Seminar (1 credit)** *Prereq.: Junior or senior.* This course provides an overview of the topics related to law school entry and basic law school curriculum. Students learn preparation strategies for the LSAT as well as the law school application process. Fall.

**HI 403 Medieval History (3 credits)** *Prereq.: HI 101.* This course provides a background for the understanding of the Renaissance, Reformation, and nation building in Europe. The student will be able to identify the major themes, events, and personalities that influenced medieval history. Fall even.

**HI 405 America since 1900 (3 credits)** *Prereq.: HI 202.* The student will analyze the role of the United States in world affairs from the Spanish-American War to the present. The political, religious, and cultural relationships are viewed in relation to present-day America. Fall odd.

**HI 410 Europe in the Nineteenth Century (3 credits)** *Prereq.: HI 102.* The course of Europe from the days of the French Revolution to the advent of war in 1914 is studied. Students learn major areas including the romantic movement, the Industrial Revolution, the rise of liberalism in several areas, and the military development of the nineteenth century. Spring.

**HI 411 World History since 1900 (3 credits)** *Prereq.: HI 102.* This course presents a study of world history from the turn of the twentieth century through World War II. Students analyze ideas and philosophies that have affected the course of modern history. Fall.

**HI 412 World History since 1900 (3 credits)** *Prereq.: HI 102.* This course presents a study of world history beginning with the conclusion of World War II and continuing to the present. Students discuss the roles of Europe, the United States, and the Third World in recent historical events. Spring.

**HI 417 Greco-Roman History (3 credits)** *Prereq.: HI 101.* This course examines the overwhelming influence of Greek and Roman culture on Western civilizations. The student identifies the results of the politics and philosophy that dominated the era. Fall odd.

**HI 424 The Developing World (3 credits)** *Prereq.: HI 102.* This course is a history of Latin America, Africa, and Asia, with an emphasis on the modern period since World War II. The challenges and opportunities that face these regions will be considered from a Christian perspective leading to a greater appreciation of the relationship with the postindustrial world. Spring odd.

**HI 441 Senior History Research Project (3 credits)** *Prereq.: Senior history major.* This capstone course is an independent study that enables the student to apply and synthesize skills in writing, historical analysis, research, worldview, and critical thinking emphasized in the history major. Fall, Spring.

## Mathematics

**MA 099 Basic Mathematics (3 credits)** This course develops a practical appreciation for mathematics and promotes mastery of mathematical operations. Concepts from elementary algebra are introduced. Credit for MA 099 is not applicable toward math elective or graduation requirements. *Required for MA 121, 125, 212.* Fall, Spring.

**MA 121 College Algebra I (3 credits)** *Prereq.: At least "C-" in MA 099 or placement into MA 121 or higher.* Students learn about exponents, radicals, rational expressions, linear and quadratic equations, inequalities, systems of equations, and applications. *Required for BA 303, 322; CH 107, 111; CJ 306; MA 130; NU 128, 203; PE 321.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**MA 125 Mathematics for Liberal Arts (3 credits)** *Prereq.: At least "C-" in MA 099 or placement into MA 125 or higher.* Students will learn problem-solving skills and topics related to algebra, geometry, mathematical logic, and statistics. *Required for CJ 306, PE 321, PL 407.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**MA 130 College Algebra II (3 credits)** *Prereq.: At least "C-" in MA 121 or placement into MA 130 or higher.* Students learn about algebraic functions and equations, exponential and logarithmic functions, linear modeling, graphing techniques, and applications. *Required for BA 304; MA 131, 220; NU 128, 203.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**MA 131 College Trigonometry (3 credits)** *Prereq.: At least "C-" in MA 130 or placement into MA 131 or higher.* Students learn various methods of solving triangular problems. The analytical function of trigonometry is demonstrated through investigations of identities and simple equation solutions. The additional topics of matrices, sequences, and probability are discussed. *Required for BY 442; EG 103; MA 221, 224, 326; NU 128, 203; PY 211.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**MA 212 Mathematics for the Secondary School (3 credits)** *Prereq.: At least "C-" in MA 099 or placement into MA 121 or higher; and sophomore or above with mathematics teaching field.* Students learn the basic topics included in general mathematics and algebra courses in the secondary school with emphasis on concept presentation and techniques of skill mastery. *Required for SE 307.* Spring.

**MA 220 Business Calculus (3 credits)** *Prereq.: MA 130 or placement into MA 131 or higher.* Students learn about limits, differentiation, and integration with an emphasis on business applications. *Required for EG 425.* Fall, Spring.

**MA 221 Calculus I (4 credits)** *Prereq.: At least "C-" in MA 131 or placement into MA 221.* Students learn introductory calculus topics through differentiation and integration of algebraic and transcendental functions, with applications. *Required for EG 103, 205, 425; EL 107; MA 222; NU 128, 203; PY 231; SE 307.* Offered on campus: Fall, Spring; online: Summer.

**MA 222 Calculus II (4 credits)** *Prereq.: At least "C-" in MA 221.* Students learn properties and techniques of integration using algebraic and transcendental functions, applications of the definite integral to mathematics and physics, and properties of the convergence of infinite sequences and series. *Required for EG 206; MA 241, 303, 321, 322, 401, 407, 426; PY 232.* Offered on campus: Fall, Spring; online: Summer.

**MA 224 Discrete Mathematics (3 credits)** *Prereq.: At least "C-" in MA 131 or placement into MA 221.* Students learn basic mathematical logic and proofs, number theory, graph theory, counting techniques, relations, combinatorics, and mathematical induction and recursion. Emphasis is placed on applying these concepts in computer science courses. *Required for CS 431; MA 241, 302, 303, 400, 432, 441.* Fall, Spring.

**MA 241 Applied Linear Algebra (3 credits)** *Prereq.: MA 224; or MA 222 and junior or senior electrical engineering concentration.* Students learn about the properties of matrices and determinants, the algorithmic nature of linear algebra methods, Euclidean spaces, and linear transformations of two- and three-dimensional spaces with application to real world problems. Fall.

**MA 299 Introduction to Research and Writing (2 credits)** *Prereq.: Sophomore or above.* This course will introduce students to the most common tool for mathematical writing publication. Students will also learn how to read mathematics textbooks and literature and to communicate their mathematical ideas. MA 299 may not be taken as an MA elective. *Required for MA 499.* Spring.

**MA 302 College Geometry (3 credits)** *Prereq.: MA 224.* Students demonstrate understanding of advanced Euclidean geometry with topics including circles, constructions, loci, polygons, triangles, congruence, and similarity. *Required for SE 307.* Fall.

**MA 303 Linear Algebra (3 credits)** *Prereq.: MA 222 and 224.* Students learn about vector spaces, Euclidean spaces, the foundational propositions of linear algebra, matrices, and linear transformation with application to real world problems. *Required for MA 405.* Fall even.

**MA 321 Calculus III (4 credits)** *Prereq.: At least "C-" in MA 222.* Students learn about polar coordinates, improper integrals, vectors and solid analytic geometry, partial differentiation, and multiple integrals. *Required for EG 208; EL 331; MA 343, 405, 432; ME 308.* Offered on campus: Fall, Spring; online: Summer.

**MA 322 Differential Equations (3 credits)** *Prereq.: At least "C-" in MA 222.* Students learn the methods for solving differential equations of the first and second order; also, higher order equations and various methods of finding approximate solutions to differential equations are explained. *Required for EG 321, 341; EL 223, 224, 326, 331; ME 308, 407, 415.* Fall, Spring.

**MA 326 Statistics (3 credits)** *Prereq.: MA 131 or placement into MA 221; and sophomore or above.* This course emphasizes examples and problems chosen specifically for the business, science, and mathematics student. Although descriptive statistics is discussed, the primary concern is for students to master the concepts and techniques for statistical analyses used in inferential and predictive statistics. *Required for CH 432; CS 376; EL 326; FN 447; MA 330, 426; ME 331, 415; MK 404.* Offered on campus: Fall, Spring; online: Summer.

**MA 330 Quantitative Methods (3 credits)** *Prereq.: At least "C-" in BA 322 or MA 326.* Students learn many commonly used quantitative management science techniques and the role they play in the decision-making process for businesses. Some of the techniques studied include decision analysis, sensitivity analysis, what-if sampling, utility in decision making, time series forecasting, linear programming models (both graphical and computer-based), and project scheduling with PERT/CPM. Students solve actual business problems using these techniques. Some qualitative methods for decision making are also discussed. *Required for BA 411.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**MA 343 Mathematics of Complex Variables (3 credits)** *Prereq.: MA 321.* Students learn about complex variables, analytic functions, complex integrals, power series, residues and poles, and applications of complex variables. Emphasis is placed on applying these concepts in engineering courses. Offered on campus: Fall even; online: Summer.

**MA 400 History of Mathematics (3 credits)** *Prereq.: MA 224.* Students learn the history of mathematical discovery from ancient civilizations through the present, surveying the various philosophies that have driven mathematical thought. Emphasis is placed on the historical developments of major mathematical fields. MA 400 may not be taken as an MA elective. Fall odd.

**MA 405 Geometry (3 credits)** *Prereq.: MA 303 and 321.* Students will learn about spherical, hyperbolic, and projective geometries and will explore informal topological themes including symmetries, surfaces, and graphs. Offered on campus: Spring odd; online: Summer.

**MA 407 Applied Mathematics (3 credits)** *Prereq.: MA 222.* Students learn practical applications of mathematics to the physical world. This course is designed through the use of Excel, MATLAB, and other graphing utilities to show the usefulness of mathematics in solving problems that arise in the business, science, and social science communities. Spring even.

**MA 426 Mathematical Statistics (3 credits)** *Prereq.: MA 222 and 326.* The student will learn the foundational mathematical concepts necessary for advanced work in statistics. These concepts include probability, expectations, random variables, distributions, and moment-generating functions. Fall odd.

**MA 432 Advanced Calculus (3 credits)** *Prereq.: MA 224 and 321.* This course is designed to provide the mathematics student with a better understanding of first-year calculus through the study of the properties of real numbers and functions of real numbers, leading to the Fundamental Theorem of Calculus. The topics covered include sequences, functions, limits, continuity, differentiation, Riemann sums, and integration. Spring odd.

**MA 441 Abstract Algebra I (3 credits)** *Prereq.: MA 224.* Students learn about various number systems and the solvability of equations within these systems. The topics covered include binary operations, operation-preserving maps, groups, rings, fields, and the Fundamental Theorem of Algebra. *Required for MA 442.* Fall odd.

**MA 442 Abstract Algebra II (3 credits)** *Prereq.: MA 441.* Students learn additional properties of rings and fields with an emphasis on groups. Special attention is given to the application of groups and rings to topics from linear algebra. Spring even.

**MA 499 Mathematics Capstone Seminar (2 credits)** *Prereq.: MA 299 and senior.* This capstone course prepares students for research at the graduate or professional level. Students will synthesize learned knowledge and research of topical literature into a proposal to advance a mathematical idea or principle. MA 499 may not be taken as an MA elective. Spring.

## Mechanical Engineering

*Prereq. for all ME courses is a concentration in mechanical engineering.*

**ME 301 Thermodynamics (3 credits)** *Prereq.: At least "C-" in PY 232.* The student applies the first and second laws of thermodynamics to the study of irreversible processes in gases, vapors, and liquids. *Required for ME 408, 409.* Fall.

**ME 308 Fluid Mechanics (3 credits)** *Prereq.: At least "C-" in MA 321 and 322 and PY 231.* Students learn the laws of statics, buoyancy, stability, and energy and momentum as they apply to the behavior of ideal and real fluids. *Required for ME 407, 408, 409.* Spring.

**ME 310 Kinematic Design of Planar Mechanisms (3 credits)** *Prereq.: EG 208.* Students learn kinematic synthesis and design machine parts including linkages, cams, and gear trains. Position, velocity, and acceleration are evaluated by graphical and analytical methods. Spring.

**ME 331 Manufacturing Engineering (3 credits)** *Prereq.: EG 201, 206, 208, and at least "C-" in MA 326.* Students learn the manufacturing processes involved in the conversion of metal and nonmetal raw materials into final products. The manufacturing engineering topics of materials, design, processes, management, economics, quality control, and computers are studied. Fall.

**ME 361, 461 Mechanical Engineering Practicum (1 credit each)** *Prereq.: Junior or senior; mechanical engineering concentration; and approval from chair of engineering and computer science.* Students receive practical engineering experience in this elective course conducted for a minimum of 40 hours at an approved off-campus facility supervised by a practicing professional. Students are required to document their involvement and contemplate details related to problem solving, teamwork, current practice, and the flexibility observed in engineering scenarios. *ME 361: required for ME 461.* Both sem., Interterm, and Summer.

**ME 405 Automatic Control Systems (3 credits)** *Prereq.: EG 322.* The student applies engineering principles to the analysis and design of mechanical control systems including the concepts of response, oscillation, and stability. Fall.

**ME 407 Heat Transfer (3 credits)** *Prereq.: At least "C-" in MA 322 and credit for or concurrent enrollment in ME 308.* Students learn to analyze heat transfer by the mechanisms of conduction, convection, and radiation. *Required for ME 408, 409.* Spring.

**ME 408 Heat and Power Design Laboratory (1 credit)** *Prereq.: ME 301 and 308; credit for or concurrent enrollment in ME 407.* The student measures design parameters and determines operating points for selected thermal and mechanical systems including pumps, fans, compressors, heat exchangers, internal combustion engines, air conditioners, and solar collectors. Lab reports document "hands-on" operating experience with commercial heat and power equipment and experimental evaluation of operational and performance characteristics under varied operating conditions. Spring.

**ME 409 Design of Thermal Systems (3 credits)** *Prereq.: ME 301 and credit for or concurrent enrollment in ME 308 and 407.* Students learn design principles for residential, commercial, and industrial energy systems—including heating, ventilating, air conditioning, and refrigeration. Spring.

**ME 412 Machine Design I (3 credits)** *Prereq.: EG 106, 201, and 206.* Students apply the principles of mechanics of materials and materials science to the design of machine elements, including shafts, bearings, mechanical drive elements, brakes, and joints. Finite element analysis software is introduced. A team design project is completed. 2 hours lecture, plus lab. *Required for ME 413.* Fall.

**ME 413 Machine Design II (3 credits)** *Prereq.: ME 412.* Students design machine elements required in a power transmission system and predict failure for different types of loading. The design and manufacture of functioning mechanisms is completed as a team project. Finite element analysis software is used for analysis and optimization. 2 hours lecture, plus lab. Spring.

**ME 415 Vibrations (3 credits)** *Prereq.: EG 208 and at least "C-" in MA 322 and 326.* Students learn the mathematical analysis of free and forced vibrations in mechanical systems. 2 hours lecture, plus lab. Fall.

**ME 422 Circuits and Instrumentation Design Laboratory (1 credit)** *Prereq.: EG 321.* Students will solve design projects in the area of circuits and instrumentation. These projects include solving open-ended problems using the student's creativity and modern design theory. Specifications will be formulated and alternative solutions will be evaluated. Economic and safety factors will be considered. Fall.

**ME 442 Senior Mechanical Engineering Design (3 credits)** *Prereq.: Senior graduating in May or December.* This capstone design course consists of special topics for advanced students and emphasizes the use of the computer for solving open-ended design problems. Students form design teams and complete a comprehensive design project. Meets 4 hours a week. Spring.

## Missions

**MI 201 History of Missions (2 credits)** The history of Christian missions from the Old Testament to the present is studied. The student will learn missionary passages in the Old and New Testaments as well as some key facts and events in the lives of missionaries throughout church history. Fall.

**MI 202 Promotion of Missions (2 credits)** The responsibilities of the local church, the Christian school, and the individual Christian to missions are studied, with attention given to the mechanics of implementing a missionary program. The student will be able to describe the role of the pastor and church in implementing a missions program and will be able to design a missions program in a Christian school. Spring.

**MI 207, 208, 209 Missionary Practicum (1 credit each)** *Prereq.: Approval from chair of Bible.* These courses require the student to spend 10–14 days each in cross-cultural missionary work on the field. The number of credits a student may earn depends upon the work involved, the degree of responsibility, and the length of service. Students will be required to conduct interviews of veteran missionaries and to keep a journal. Interterm, Summer.

**MI 210 Missionary Practicum (3 credits)** *Prereq.: Approval from chair of Bible.* This course requires the student to spend 6–8 weeks in missionary work on the field. The credit a student may earn depends upon the work involved, the degree of responsibility, and the length of service. The student is required to conduct interviews of veteran missionaries and to keep a journal. Summer.

**MI 301 Principles and Methods of Missions (2 credits)** This course prepares the student for missionary candidature with emphasis on application to a mission board, candidate school, prefield ministries, as well as the physical, financial, and spiritual preparation for the student's field. Projects are designed to aid the student in the organization of prayer cards, prayer letters, multi-media presentations, and display boards. Fall.



**MI 302 Principles and Methods of Missions (2 credits)** This course deals with the actual principles necessary for succeeding on the mission field. Topics include mental concerns, culture shock, language learning, interpersonal relationships, evangelism, furlough, and retirement. Spring.

**MI 403 Cultural Anthropology (3 credits)** Cultures of various people of the world are studied for the purpose of orienting the missionary candidate concerning life and witness among these peoples. The student will learn to articulate issues related to cross-cultural communication of God's Word. This course may be taken as a social science elective. Spring even.

**MI 406 Modern Trends in Missions (2 credits)** This course, which seeks to prepare the missionary to face today's problems on the field, includes a study of liberalism, neoevangelicalism, the charismatic movement, and the battle for the Bible. Missions associations and current or developing trends in missions are also discussed. Fall.

**MI 412 Church Planting Seminar (1 credit)** *Prereq.: Ministerial student.* Through an analysis of biblical and historical models for developing new congregations from initial evangelism, the student learns the essentials of the ministry of church planting. Topics such as purchasing of property, organization and writing of founding documents, financial support, and the church planter's schedule and ministry are covered. Spring even.

## Marketing

**MK 202 Professional Selling (3 credits)** *Prereq.: Sophomore or above.* This course acquaints the students with the basic principles and applications of the sales process as they relate to industrial, wholesale, and retail selling situations. The student will demonstrate prospecting and qualifying, planning and pre-approaching the customer, the sales presentation/demonstration, handling objections, closing the sale, and post-sale service and follow up. The organization and management of sales programs and a sales force are also considered. *Required for MK 402.* Fall, Spring.

**MK 204 Principles of Marketing (3 credits)** The fundamentals of the marketing mix and marketing environment are examined. The student will gain foundational knowledge of product concepts, pricing decisions, promotional techniques, and distribution strategies. Detailed study of market segmentation, target marketing, and the behavior of business customers will allow the students to make informed business decisions. *Required for MK 307, 404, 417.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**MK 307 Advertising (3 credits)** *Prereq.: MK 204.* The student will develop a deeper understanding of the promotional mix. The roles of and relationships between a variety of advertising media vehicles will be taught. Students will integrate marketing communication, the promotional mix, media planning, creative strategies, and campaign evaluation as they work in groups to plan and develop an advertising campaign. Strategic implications are stressed throughout the course. Fall.

**MK 308 Retailing (3 credits)** An overview of retailing management concepts will be studied. Students will be able to assess the importance of retailing in an economy and demonstrate knowledge of the different types of retailing, various retailing strategies, ethical and legal aspects of retailing, supply chain management, and customer relationship management. Spring.

**MK 402 Advertising Practicum (3 credits)** *Prereq.: AR 218, 420; MK 202; PW 301; senior advertising/public relations concentration; and approval from chair of business.* Students obtain field experience in an approved business for a minimum of 120 hours. Both sem., Interterm, and Post-term.

**MK 404 Marketing Research (3 credits)** *Prereq.: MK 204; and BA 322 or MA 326.* This course presents effective marketing research aids for effective decision making. The role of marketing research in business is discussed while hypothesis development, sampling theory and methodology, research tool design, data collection decisions and methodology, and data analysis are learned. Analysis of research results using the SPSS statistical application package is emphasized. Fall.

**MK 405 Marketing Management (3 credits)** *Prereq.: Senior marketing concentration graduating December or May.* The student will integrate strategic management and execution of the marketing management process within the marketing function. The student will make marketing management decisions by applying marketing principles to actual business situations through both individual and group casework. Spring.

**MK 417 Internet Marketing (3 credits)** *Prereq.: BA 217 and MK 204.* The strategic use of the Internet as a communication medium and distribution channel will be explored in depth. An emphasis will be placed on developing the students' understanding of the use of Internet-based marketing as an integrated part of a company's overall marketing plan. Students will create a company's overall marketing plan with specific application in formulating an overall competitive strategy, managing customer interaction, and assessing the success of an ongoing plan. Fall even.

## Modern Languages

**LA 101 Elementary Latin I (3 credits)** This course offers a beginning study of classical Latin. Students learn the basic skills of Latin pronunciation, analysis of Latin grammar, and translation of Latin sentences into English. Meets 4 hours a week. *Required for LA 102.* Fall.

**LA 102 Elementary Latin II (3 credits)** *Prereq.: LA 101.* This course continues the beginning study of classical Latin. Students develop their skills in Latin pronunciation, analysis of Latin grammar, and translation of Latin sentences into English. Meets 4 hours a week. *Required for LA 201.* Spring.

**LA 201 Intermediate Latin I (3 credits)** *Prereq.: LA 102.* This course develops students' ability to translate classical Latin prose. Students also expand their understanding of Latin vocabulary, grammar, and syntax. Special attention is given to the influence of selected works on Western thought. *Required for LA 202.* Fall.

**LA 202 Intermediate Latin II (3 credits)** *Prereq.: LA 201.* This course develops students' ability to translate classical Latin poetry. Students also expand their understanding of Latin vocabulary, grammar, and syntax. Special attention is given to the influence of selected works on Western thought. Spring.

**ML 121 Elementary Spanish I (3 credits)** Students will learn the fundamental skills of listening, speaking, reading, and writing Spanish. Students will also learn basic Spanish expressions and will practice communicating orally and in writing on an elementary level. Meets 4 hours a week. *Required for ML 122.* Fall, Spring.

**ML 122 Elementary Spanish II (3 credits)** *Prereq.: ML 121 or Spanish placement exam.* This course develops the student's listening, speaking, reading, and writing skills in Spanish. Content includes a review of Spanish sounds and pronunciations, a review of stress, accentuation, punctuation, and spelling, as well as cultural readings, historical narratives, and short literary selections. The student learns oral communication through question/answer drills and daily oral recitation. Meets 4 hours a week. *Required for ML 221.* Fall, Spring.

**ML 131 Elementary French I (3 credits)** Students will learn the fundamental skills of listening, speaking, reading, and writing French. Students will also learn basic French expressions and will practice communicating orally and in writing on an elementary level. Meets 4 hours a week. *Required for ML 132.* Fall.

**ML 132 Elementary French II (3 credits)** *Prereq.: ML 131.* This course continues to develop basic communicative skills in French and continues the study of the culture. Students will engage in daily conversational practice, pronunciation exercises, communicative grammar exercises, and oral and written language application activities in the present and past tenses. Meets 4 hours a week. *Required for ML 231.* Spring.

**ML 221 Intermediate Spanish I (3 credits)** *Prereq.: ML 122 or two years of high school Spanish and Spanish placement exam.* This course emphasizes vocabulary expansion and a thorough review of basic grammatical concepts. Students will learn the parts of speech, verb tenses, and special vocabulary. Students develop listening, reading, writing, and speaking abilities. Meets 4 hours a week. *Required for ML 222, SE 305.* Fall.

**ML 222 Intermediate Spanish II (3 credits)** *Prereq.: ML 221.* The student will expand his vocabulary and learn basic grammatical concepts. Students will learn verb tenses, time expressions, prefixes, suffixes, prepositions, conjunctions, vocabulary, and selected literature. The student will develop his listening, reading, writing, and speaking abilities. Meets 4 hours a week. *Required for ML 321, SE 305.* Spring.

**ML 231 Intermediate French I (3 credits)** *Prereq.: ML 132 or two years of high school French and French placement exam.* This course includes a review of elementary French grammar and pronunciation complemented by increasing lexical development and expansion of the skills acquired in first-year French. Students will develop greater fluency in oral and written communication in the past and present tenses. They will engage in conversational activities and dialogues. Students will analyze French culture in addition to the culture of selected French-speaking countries. Meets 4 hours a week. *Required for ML 232.* Fall.

**ML 232 Intermediate French II (3 credits)** *Prereq.: ML 231.* Students will communicate orally and in writing using intermediate structures of French grammar including the present, past, future, and conditional tenses in the indicative and subjunctive moods. Students will give extemporaneous and memorized oral presentations in French on a variety of topics including personal experiences and the culture of French-speaking countries. Students will develop greater fluency in French composition. Meets 4 hours a week. Spring.

**ML 321–322 Spanish Conversation and Composition (3 credits each)** *Prereq. for ML 321: ML 222; prereq. for ML 322: ML 321.* This intensive, practical course develops the student's skill in conversation and writing through intensive oral practice in question-answer conversational drills, readings, oral summaries, and by writing directed compositions on themes following a given model. Class is conducted in Spanish. *. ML 321: required for ML 322, SE 305. ML 322: required for ML 421, SE 305.* ML 321: Fall. ML 322: Spring.

**ML 421–422 Advanced Spanish Grammar and Composition (3 credits each)** *Prereq. for ML 421: ML 322; prereq. for ML 422: ML 421.* This course provides the student with an intensive analysis of the Spanish language. Oral and written Spanish composition with particular attention given to developing fluency and facility of speech is a part of this course. Cultural readings and a directed discussion of assigned topics are included in this course. Class is conducted in Spanish. *Required for ML 422.* ML 421: Fall. ML 422: Spring.

## Music

**MU 100 Foundations of Church Music (4 credits)** *Prereq.: Open to all students except those with a music major, minor, or teaching field.* In this foundational course for the church musician, students will learn basic theory concepts and songleading techniques. Students will also examine a variety of music issues. *Required for MU 226, 300.* Fall.

**MU 101 Music Theory I (4 credits)** The student gains a practical approach to the study of music fundamentals, including major and minor keys, scales, rhythm and meter, intervals, triads and seventh chords in all inversions. The student learns basic principles of voice leading through part-writing exercises in root position. Frequent aural exercises develop the student's listening skills and encourage sensitivity to harmonic function. Meets 5 hours a week. *Required for MU 102.* Fall, Spring.

**MU 102 Music Theory II (4 credits)** *Prereq.: At least "C-" in MU 101 or music theory placement exam.* The student builds on music fundamentals, including cadences, non-harmonic tones, and phrase analysis. The student learns to apply these principles through part-writing using triads and dominant seventh-chords in all inversions, analyzing harmony and form, and harmonizing melodies. Frequent aural exercises continue to develop the student's listening skills and encourage sensitivity to harmonic function. Meets 5 hours a week. *Required for MU 201, 220, 226, 307, 308, 410; PI 261.* Fall, Spring.

**MU 105–106 Beginning Hymnplaying (1 credit each)** *Prereq. for MU 105: Audition; prereq. for MU 106: Audition or at least "C-" in MU 105.* These courses develop skills needed by a church pianist. Students learn how to accompany congregational singing using chording and improvisation in a traditional, evangelistic-style of playing. Students also learn piano solos suitable for offertories and perform them in class. *Required for MU 106.* MU 105: Fall. MU 106: Spring.

**MU 117–317 Musical Workshop (1 credit each)** *Prereq.: Audition.* Students develop individual roles while learning to interact in the theatrical environment. Coursework culminates in a public performance. *Required for MU 217, each level required for the next one.*

**MU 118–419 Opera Workshop (1 credit each)** *Prereq.: Audition.* Students develop individual roles while learning to interact in the theatrical environment. Coursework culminates in a public performance. *Required for MU 119, each level required for the next one.*

**MU 121–122 Vocal Class I, II (1 credit each)** *Prereq. for MU 121: Music placement test; prereq. for MU 122: MU 121. Open to all students except vocal music major, teaching field, or minor.* Students learn the fundamentals of good vocal technique, communication, practice, and performance. Students demonstrate their progress through regular class workshops and performances. Meets 3 hours a week. *MU 121: required for MU 122. MU 122: required for VO 231.* Offered MU 121: Fall. MU 122: Spring.

**MU 145–146 Choral Workshop (1 credit each)** *Prereq.: Audition.* The student joins a choir that is created for a graduate music student with conducting proficiency. Rehearsals involve preparation for the student's graduate choral conducting recital. This course does not meet undergraduate ensemble requirements.

**MU 161–462 Chamber Music (1 credit each)** *Prereq.: Audition.* This course allows music students the opportunity to perform an array of literature from sacred to classical in a variety of performance situations. *Required for MU 162, each level required for the next one.* Fall, Spring.

**MU 201 Music Theory III (4 credits)** *Prereq.: At least "C-" in MU 102 or music theory placement exam.* The student learns music fundamentals, including melodic form, seventh chords, secondary dominant and secondary leading tone chords, and methods of modulation. Students learn to apply these principles through part-writing, harmonic analysis, and composition. Frequent aural exercises continue to develop the student's listening skills and encourage sensitivity to harmonic function. Meets 5 hours a week. *Required for MU 202, 301, 310, 337, 418.* Fall.

**MU 202 Music Theory IV (4 credits)** *Prereq.: At least "C-" in MU 201.* The student learns the musical styles and harmonies seen in 18th century composition. Students will complete exercises in counterpoint, classical style, chromatic harmony, modal change, and methods of modulation. Frequent aural exercises continue to develop the student's listening skills and encourage sensitivity to harmonic function. Meets 5 hours a week. *Required for MU 328, 329, 401.* Spring.

**MU 205–206 Intermediate Hymnplaying (1 credit each)** *Prereq.: Audition.* These courses continue to build on skills learned in Beginning Hymnplaying, including modulation and transposition. Students will continue to develop skills for congregational playing, offertories, and accompanying for vocal solos. They will learn basic arranging techniques to create original piano solos. *MU 205: required for MU 206. MU 206: required for MU 325.* Offered MU 205: Fall. MU 206: Spring.

**MU 213 Appreciation of Fine Arts (3 credits)** Students learn an overview of the basic elements and historical periods of Western art and music, principal artists and composers of those eras, and biblical principles for the development of a Christian philosophy of the arts. This course may be taken as a social science elective. Fall, Spring.

**MU 214 Principles of Lyric Diction (3 credits)** *Prereq.: VO 122.* Students will continue to learn lyric diction principles including those for German and French languages. Emphasis is placed on the student's ability to correctly use the International Phonetic Alphabet in pronunciation. Fall.

**MU 220 Introduction to Music Technology (3 credits)** *Prereq.: At least "C-" in MU 102.* The student will examine computer notation and audio and MIDI recording technologies. The student will transcribe music to learn the art of music engraving and sequence, record, and mix MIDI and audio to create a track. *Required for MU 310, 337, 418.* Fall, Spring.

**MU 226 Choral Methods (2 credits)** *Prereq.: At least "C-" in MU 100 or 102.* The student will learn choral conducting techniques, principles of score study, and how to effectively rehearse a chorus. *Required for CD 137; MU 272, 315.* Fall, Spring.

**MU 230 Piano Accompanying (1 credit)** *Prereq.: Music major, minor, or teaching field with keyboard emphasis.* Pianists are instructed in accompanying techniques with emphasis given to the distinctions between accompanying for an instrumentalist, a vocalist, and a choir. Students are guided in arranging original piano accompaniments and given the opportunity to accompany within the class. *Required for PI 151.* Spring.

**MU 231 Piano Accompaniment (1 credit)** *Prereq.: PI 212 or piano secondary proficiency exam.* Students are instructed in basic accompaniment techniques, guided in arranging original piano accompaniment, and given the opportunity to accompany within the class. Students are also assigned to prepare choral accompaniments. Spring.

**MU 233–234 Hymn Keyboard Skills I and II (2 credits each)** *Prereq. for MU 233: PI 122 or 132; prereq. for MU 234: MU 233.* Students apply the art of improvisation as it relates to keyboard accompanying in the church. The topics covered include congregational hymn playing and vocal accompanying and arranging piano preludes and offertories. Traditional hymn-playing principles are applied to a variety of hymns and gospel songs. *Required for MU 234.* MU 233: Fall. MU 234: Spring.

**MU 272 Choral Conducting (1 credit)** *Prereq.: MU 226 and choral conducting emphasis.* The student develops conducting technique and learns how to achieve a good choral sound especially in the areas of blend, balance, intonation, and articulation. *Required for MU 371.* Spring.

**MU 300 Methods and Materials for the Church Musician (2 credits)** *Prereq.: At least "C-" in MU 100.* Students examine the principal theory, procedures, and basic methods used in giving private music instruction. Spring odd.

**MU 301 History of Music (3 credits)** *Prereq.: MU 201.* This course provides a survey of Western music from ancient to Baroque with an emphasis on major composers and their works. Students will apply their knowledge through lecture, listening, and research. *Required for MU 302.* Fall.

**MU 302 History of Music (3 credits)** *Prereq.: MU 301.* This course provides a survey of Western music from Galant to modern times with an emphasis on major composers and their works. Students will apply their knowledge through lecture, listening, and research. Spring.

**MU 307 Woodwind Methods (2 credits)** *Prereq.: MU 102 and sophomore or above.* Students acquire basic performance and teaching fundamentals of woodwind instruments, which is especially helpful for prospective teachers. Fall.

**MU 308 Strings Methods (2 credits)** *Prereq.: MU 102 and sophomore or above.* Students learn what is necessary to develop and maintain a strings program through instruction in purchasing instruments, making small repairs, creating fingerings and bowings, and comparing strings method books. Spring.

**MU 310 Choral Writing and Arranging (2 credits)** *Prereq.: MU 220 and at least "C-" in MU 201.* Students learn the techniques of writing and arranging church and secular music for various vocal combinations. Fall, Spring.

**MU 312 Instrumental Materials and Methods (2 credits)** *Prereq.: Sophomore music platform.* The purpose of this course is to teach a basic understanding of what a quality band program should provide (its setup, procedures, and materials). Students gain practical experience in teaching individual music lessons and working with instrumental ensembles. *Required for ED 450.* Spring.

**MU 313 Communication in Song (1 credit)** *Prereq.: VO 221 or 231.* This course presents the principles and techniques of communicating the text and interpreting the meanings of music. The emphasis is on the music used in ministry. Students prepare and perform songs in class under faculty guidance. Spring.

**MU 315 Elements of Conducting (2 credits)** *Prereq.: MU 226.* The student will learn instrumental directing techniques, principles of score study, and how to effectively rehearse a band and orchestra. *Required for MU 446.* Fall.

**MU 325–326, 425–426 Advanced Hymnplaying (1 credit each)** *Prereq.: Audition.* These courses prepare the student to fulfill the role of a church pianist. Students learn advanced hymn techniques, prepare traditional style accompaniments for congregational singing and vocal solos, and arrange a variety of songs for preludes and offertories. *Required for MU 326, each level required for the next one.*

**MU 327 Voice Materials and Methods (2 credits)** *Prereq.: Sophomore music platform.* Students learn various approaches for teaching voice, practical teaching methods, and vocal terminology. Students observe lessons and teach lessons under faculty guidance. *Required for ED 450.* Fall.

**MU 329 Advanced Music Theory (2 credits)** *Prereq.: At least "C-" in MU 202.* Students analyze post-tonal repertoire through a survey of twentieth-century compositional styles. Advanced musicianship exercises and analysis will address aspects of pitch-class set and serial theory, as well as other techniques developed by contemporary composers. Meets 3 hours a week. Spring.

**MU 335 Piano Materials and Methods (2 credits)** *Prereq.: Sophomore music platform.* Students learn concepts and methodology for successful private and group piano teaching at the elementary level. Students demonstrate their knowledge by teaching an adult beginner. *Required for ED 450, MU 336.* Fall.

**MU 336 Piano Materials and Methods (2 credits)** *Prereq.: At least "C-" in MU 335.* Students learn successful private and group piano teaching at the intermediate level. Students demonstrate their knowledge by teaching an adult beginner. Spring.

**MU 337 Instrumental Church Music Arranging (2 credits)** *Prereq.: MU 201 and 220.* Students craft effective and creative solo and ensemble instrumental arrangements, both accompanied and unaccompanied, and at various skill levels, for the church service setting. Spring.

**MU 371 Choral Conducting (1 credit)** *Prereq.: Sophomore music platform, MU 272, and choral conducting emphasis.* The student continues to develop conducting technique and learns how to achieve a good choral sound especially in the areas of blend, balance, intonation, and articulation. Meets 3 hours a week. *Required for CD 322, MU 391.* Fall.

**MU 401 Counterpoint (2 credits)** *Prereq.: MU 202.* The student will study contrapuntal techniques used in the eighteenth century and apply them through writing of species counterpoint and formal analysis of invention and fugue. Spring odd.

**MU 402 Church Music Philosophy and Administration (2 credits)** *Prereq.: Junior or senior.* The implementation of administrative guidelines for the total music program of a church is discussed. Students will examine topics including church music philosophy, planning, budgeting, program goals, church music education, promotion, and worship leadership. Fall.

**MU 410 Brass and Percussion Methods (2 credits)** *Prereq.: MU 102.* The student gains a basic knowledge of the principles of performing and teaching brass and percussion instruments. Spring.

**MU 418 Orchestration (2 credits)** *Prereq.: MU 220 and at least "C-" in MU 201.* Students receive practice in scoring music for various instruments for practical situations, such as school bands and orchestras. The ranges and limitations of various instruments are also learned. Spring.

**MU 441 Survey of Instrumental Literature (3 credits)** *Prereq.: Sophomore music platform.* Students learn to identify style characteristics, important composers, their compositional styles, and representative works through a survey of etudes, solos, and chamber repertoire for the various brass, woodwind, and percussion instruments. Fall even.

**MU 443 Survey of Piano Literature (3 credits)** *Prereq.: Sophomore music platform.* Students learn to identify style characteristics, important composers, their compositional styles, and representative works for solo piano from the late seventeenth century through the present. Fall even.

**MU 445 Survey of Song Literature (3 credits)** *Prereq.: Sophomore music platform.* Students learn to identify style characteristics, important composers, their compositional styles, and representative works of English, German, French, and Italian art song literature. Fall even.

**MU 446 Instrumental Conducting (2 credits)** *Prereq.: MU 315.* Students develop the techniques necessary for conducting band, orchestra, or other instrumental ensembles and further their experience with the orchestral repertoire. Spring.

**MU 447 Survey of String Literature (3 credits)** *Prereq.: Sophomore music platform.* Students learn to identify style characteristics, important composers, their compositional styles, and representative works through a survey of etudes, solos, and chamber repertoire for the various string instruments. Fall even.

**Private music for music majors:** *Coreq.: Music repertoire is required for all students enrolled in 200-level or higher.* Sophomore Music Platform must be passed to officially become a music major. One credit hour is received per semester.

**Recital:** A recital is required of all music majors and will be presented under the direction of the music faculty during the senior year.

**Private music for non-music majors:** One credit hour per semester (if space is available).

**Class music instruction:** Open for non-music majors; placement test is required and students are grouped as to ability at the discretion of the music department. One credit hour is received per semester.

## Music (Non-MU)

**CC 131–432 College Choir (1 credit each)** The College Choir prepares songs for presentation in Campus Church each Sunday evening. Students sharpen sight reading, communication, and choral singing skills while praising the Lord in song. Meets 3 times a week. *Required for CC 132, each level required for the next one.* Fall, Spring.

**CC 141–442 Spirit Singers (1 credit each)** *Prereq.: Audition.* The Spirit Singers is an ensemble of approximately 20 members that performs for Student Body programs, Christmas Lights, choral concerts, and various events. Meets 2 times a week. *Required for CC 142, each level required for the next one.* Fall, Spring.

**CC 151–452 Symphonic Choir (1 credit each)** *Prereq.: Audition.* This choir is comprised of approximately 50–70 students, who are exposed to a variety of choral selections of classical literature, as well as folk songs and spirituals. Students perform for Sunday Reflections and choral concerts. This course may fulfill ensemble requirements for voice majors and minors. Meets 3 times a week. *Required for CC 152, each level required for the next one.* Fall, Spring.

**CE 351–454 Chamber Ensemble (1 credit each)** *Prereq.: Audition.* The Chamber Ensemble is a small chorus of approximately 30 members that performs for Sunday Reflections, choral concerts, and other occasions. This course may fulfill ensemble requirements for all voice majors and minors. Meets 3 times a week. *Required for CE 352, each level required for the next one.* Fall, Spring.

**ES 131–432 Proclaim Ministry—Vocal (1 credit each)** *Prereq.: Audition.* The Proclaim Ministry Teams prepare a concert of church music for presentation in Bible-believing churches and Christian schools. Students sharpen communication skills while gaining valuable experience in church ministry activities. Requires Interterm and summer involvement. *Required for ES 132, each level required for the next one.* Fall, Spring.

**HA 101 Harp Instruction (1 credit)** The students learn basic music theory and beginning pedal harp technique. Students practice and perform hymn arrangements in class in preparation for ministry in the local church. *Required for HA 102.* Fall, Spring.

**HA 102–402 Harp Instruction (1 credit each)** *Prereq.: Audition.* The students apply the development of pedal harp technique to their playing. Students play solo and ensemble arrangements in class and/or church. *Required for HA 201, each level required for the next one.* Fall, Spring.

**PC 151–452 Handbell Choir (1 credit each)** *Prereq.: Audition.* The Handbell Choir is a bell choir of approximately 13 ringers that performs for Sunday Reflections, Handbell Concerts, and other occasions. *Required for PC 152, each level required for the next one.* Fall, Spring.

**PI 101–202 Piano Class (1 credit each)** *Prereq.: Audition.* These courses are designed for students with little or no keyboard skill. Students learn rhythm, sight-reading, scales, and perform classical and church music pieces from beginning through intermediate repertoire. Students are grouped according to ability. *Required for PI 102, each level required for the next one.* PI 101, 201: Fall. PI 102, 202: Spring.

**PI 111–212 Secondary Piano (1 credit each)** *Prereq.: Music placement test and music or music education major with instrument or voice emphasis; each level requires the preceding one.* This series of courses is designed to give the vocal or instrumental major skill at the keyboard. Students learn scales, transposition, harmonization, four-part hymns, and classical works. During the last semester of study, emphasis is given to accompanying a performer in his/her proficiency. Students are grouped according to ability. *Required for PI 112, each level required for the next one.* PI 111, 211: Fall. PI 112, 212: Spring.



**PI 151–452 Accompaniment Practicum (1 credit each)** *Prereq.: MU 230 or accompanying placement test; and Music Course Permit; each level requires the preceding one.* The student gains practical experience accompanying vocalists and/or instrumentalists at least 2 hours per week. *Required for PI 152, each level required for the next one.* Fall, Spring.

**PI 205–206 Advanced Piano Techniques (1 credit each)** *Prereq. for PI 205: PI 122 or 132; prereq. for PI 206: PI 205.* These courses are resources for the intermediate and advanced pianist who desires freedom, control, and longevity in playing the piano. Through a series of sequenced exercises, the student develops his fingers and learns how to use relaxation and arm balance techniques. *Required for PI 206.* Fall, Spring.

**PI 261–262 Piano Tuning and Repair (1 credit each)** *Prereq. for PI 261: MU 102 or permission of instructor; prereq. for PI 262: PI 261.* Beginning with a survey of piano construction and nomenclature, students will examine an overview of both electronic and aural tuning methods, hands-on practice in tuning techniques, and an introduction to upright regulation and common repairs. *Required for PI 262.* PI 261: Fall. PI 262: Spring.

**SB 131–432 Symphonic Band (1 credit each)** *Prereq.: Audition.* Symphonic Band offers any student with an instrumental proficiency the opportunity to use his performance skills in a variety of performing situations. Symphonic Band members perform a variety of band literature including standard band repertoire. Members of the Symphonic Band also have the opportunity to participate in the Eagles Pep Band. *Required for SB 132, each level required for the next one.* Fall, Spring.

**ST 141–442 Orchestra (1 credit each)** *Prereq.: Audition.* The orchestra is open to students with an orchestral instrument proficiency. The orchestra plays for musical productions alternate years and presents a classical concert every semester. Other opportunities include performing with choral groups for Sunday Reflections, seasonal productions, major musical stage productions, and Commencement. *Required for ST 142, each level required for the next one.* Fall, Spring.

**ST 201 Strings Instruction I (1 credit)** Strings Instruction I is the introductory course for the four-semester program utilizing the Jaffé Strings Method. Students learn to play one of the standard stringed instruments in an orchestra setting. *Required for ST 202.* Fall.

**ST 202 Strings Instruction II (1 credit)** *Prereq.: ST 201.* This course is a continuation of ST 201 with an emphasis on ensemble playing. Students learn tone quality, interpretation and style of classical music, and future development of technical skills. *Required for ST 301.* Spring.

**ST 301–302 Strings Instruction III, IV (1 credit each)** *Prereq. for ST 301: ST 202; prereq. for ST 302: ST 301.* This course is a continuation of the Jaffé Strings Method. Students receive continued development of individual techniques such as tone production, vibrato, martelé, and détaché bowings, and shifting through fourth position. This development is accomplished through arrangements of classical and church music. *Required for ST 302.* ST 301: Fall. ST 302: Spring.

**VO 121 Vocal Instruction (1 credit)** *Prereq.: Vocal music major, teaching field, or minor, or choral conducting emphasis.* Students will learn the fundamentals of good vocal technique, communication, practice, and performance. Students demonstrate their progress through class workshops and additional assignments. *Required for VO 122.* Fall.

**VO 122 Vocal Instruction (1 credit)** *Prereq.: At least "C-" in VO 121.* Students will continue to learn foundational principles of good vocal technique, focusing on English and Italian diction for singing and performance through use of the International Phonetic Alphabet. Students demonstrate their progress through class assignments and performances. *Required for MU 214; VO 221, 231.* Spring.

## Nursing

*Prereq. for all NU courses is a major in nursing.*

**NU 128 Introduction to Nursing Practice (1 credit)** *Prereq.: Pre-nursing student with at least "C-" in BY 105; and at least "C-" or concurrent enrollment in BY 201, CH 107, and MA 121.* Students will develop basic skills in professional communication and medication administration. The student will learn to communicate with the interdisciplinary team and to use basic medical terminology. Conversions, formulas, and algebraic principles will be used to solve medication calculations. *Required for NU 203.* Spring.

**NU 203 Foundations of Professional Nursing (4 credits)** *Prereq.: Valid CPR card; at least "C-" in BY 201, CH 107, EN 121 and 126, MA 121, and NU 128; credit for or concurrent enrollment in BY 202 and NUL 203; and at least "C-" or concurrent enrollment in NU 214, 215, and 218.* The student will learn and demonstrate fundamental nursing skills. Using evidence-based practice, the student will learn to apply the nursing process in the delivery of nursing care across the lifespan. Application and implementation of nursing care will be emphasized regarding quality, safety, and privacy in the delivery of healthcare. The application and demonstration of basic nursing skills will occur through the use of high- and low-fidelity simulators in the laboratory setting and in the clinical setting. 4 hours lecture. *Required for NU 207, 214, 215, 218, 305, 306.* Fall.

**NUL 203 Foundations of Professional Nursing Clinical (1 credit)** *Coreq.: NU 203.* 3 hours lab or clinical experience. *Required for NU 207, 305, 306.* Fall.

**NU 207 Beginning Medical-Surgical Nursing (4 credits)** *Prereq.: Valid CPR card; at least "C-" in NU 203 and 214; credit for BY 202 and NU 215 and 218; credit for or concurrent enrollment in BY 206 and NUL 207; and at least "C-" or concurrent enrollment in NU 210, 226, and 314.* This course introduces students to the principles of medical-surgical nursing. Emphasis is placed on the utilization of the nursing process and evidence-based practice to deliver safe and quality care to adult and geriatric populations with acute and chronic health problems. The students' learning and demonstration of nursing skills are evaluated through the use of high- and low-fidelity simulators in the laboratory and via clinical experiences provided in a variety of healthcare settings. 4 hours lecture. *Required for NU 210, 226, 305, 306, 314.* Spring.

**NUL 207 Beginning Medical-Surgical Nursing Clinical (1 credit)** *Coreq.: NU 207.* 3 hours lab or clinical experience. *Required for NU 305, 306.* Spring.

**NU 210 Nursing Informatics (1 credit)** *Prereq.: At least "C-" or concurrent enrollment in NU 207.* Students will develop a basic knowledge of current computer hardware, software, databases, and communications technologies relevant to healthcare, research, and nursing education. Relevant ethical and legal issues will be addressed. The student will examine and be able to utilize computerized patient records and medical equipment. *Required for NU 305, 306.* Spring.

**NU 214 Pharmacology (2 credits)** *Prereq.: At least "C-" or concurrent enrollment in NU 203.* This course is an introduction to the basic concepts and principles of pharmacology. With an emphasis on knowledge and nursing interventions required to promote therapeutic effects, these concepts are applied to health promotion and maintenance to patients across the lifespan. Students acquire knowledge regarding the pharmacokinetics and pharmacodynamics of major drug classes and commonly prescribed medications within each drug class including therapeutic uses, adverse reactions, precautions, and contraindications. Safe administration of enteral and parenteral medications is learned by describing actual medication errors, discussing proper drug administration techniques, and reviewing dosage calculations. *Required for NU 207, 305, 306, 314.* Fall.

**NU 215 Physical Assessment (2 credits)** *Prereq.: At least "C-" or concurrent enrollment in NU 203.* This course covers assessment of the health status of the adult and child. Students develop the skill of interviewing and learn and demonstrate physical assessment techniques of inspection, palpation, percussion, and auscultation. Emphasis is given to the theoretical concepts and psychomotor skills necessary for physical assessment. Data collection through a complete health history and physical assessment of all body systems is included. *Required for NU 207, 305, 306.* Fall.

**NU 218 Nutrition (1 credit)** *Prereq.: At least "C-" or concurrent enrollment in NU 203.* This is an introductory course in the basic science of nutrition. It covers basic principles of nutrition and their application to health promotion, maintenance, and disease prevention in the adult. The major macronutrients and micronutrients are learned along with application to the clinical setting. Students will also learn methods of conducting a nutritional assessment and principles for providing nutritional care to patients in various states of altered health. *Required for NU 207, 305, 306.* Fall.

**NU 226 Pathophysiology (3 credits)** *Prereq.: At least "C-" or concurrent enrollment in NU 207.* This course teaches the normal cellular function of body systems as well as alterations that occur in various disease processes or disorders. The student will develop an understanding of the effects of altered states of health on body systems and will have a stronger basis for planning nursing actions in the clinical setting. *Required for NU 305, 306.* Spring.

**NU 305 Maternity Nursing (4 credits)** *Prereq.: Valid CPR card; at least "C-" in all 200-level nursing courses and NU 314; and credit for or concurrent enrollment in NUL 305.* This course focuses on the utilization of the nursing process with families during the childbearing period. The student will learn to provide nursing care throughout the normal as well as complicated pregnancy. Learning experiences are provided in various ambulatory and hospital agencies where antepartal, intrapartal, postpartal, and neonatal care are given. 4 hours lecture. *Required for NU 307, 308, 401, 406, 407.* Fall.

**NUL 305 Maternity Nursing Clinical (2 credits)** *Coreq.: NU 305.* 6 hours clinical experience. *Required for NU 307, 308, 401, 406, 407.* Fall.

**NU 306 Psychiatric-Mental Health Nursing (3 credits)** *Prereq.: Valid CPR card; at least "C-" in all 200-level nursing courses and NU 314; at least "C-" or concurrent enrollment in PS 206 and 323; and credit for or concurrent enrollment in NUL 306.* This course will introduce the student to the study of human behavior and relationships. Causal factors of behavior such as emotion and frustration are also acquired. The course will focus on utilizing the nursing process to help meet the needs of individuals and families having difficulty coping and adapting to their life experiences. Although the promotion of mental health will be stressed, some learning experiences will deal with the more acute and chronic psychiatric disorders. 3 hours lecture. *Required for NU 307, 308, 401, 406, 407.* Fall.

**NUL 306 Psychiatric-Mental Health Nursing Clinical (2 credits)** *Coreq.: NU 306.* 6 hours clinical experience. *Required for NU 307, 308, 401, 406, 407.* Fall.

**NU 307 Medical-Surgical Nursing (4 credits)** *Prereq.: Valid CPR card; at least "C-" in NU 305, 306, PS 206, and 323; and credit for or concurrent enrollment in NUL 307.* This course focuses on the utilization of the nursing process in meeting the needs of the medical-surgical patient and his family. The student will achieve advanced physical assessment skills and learn problem identification and planning while providing implementation of comprehensive nursing care. Learning experiences are provided in a variety of hospital clinical settings. 4 hours lecture. *Required for NU 401, 406, 407.* Spring.

**NUL 307 Medical-Surgical Nursing Clinical (2 credits)** *Coreq.: NU 307.* 6 hours clinical experience. *Required for NU 401, 406, 407.* Spring.

**NU 308 Pediatric Nursing (3 credits)** *Prereq.: Valid CPR card; at least "C-" in NU 305, 306, PS 206, and 323; and credit for or concurrent enrollment in NUL 308.* This course focuses on the utilization of the nursing process with families during the child-rearing period. Special emphasis is placed on learning the adaptation of nursing care according to the patient's level of growth and development. Ambulatory and hospital learning experiences are planned with healthy and ill children up through adolescents. 3 hours lecture. *Required for NU 401, 406, 407.* Spring.

**NUL 308 Pediatric Nursing Clinical (2 credits)** *Coreq.: NU 308.* 6 hours clinical experience. *Required for NU 401, 406, 407.* Spring.

**NU 314 Advanced Pharmacology (1 credit)** *Prereq.: At least "C-" in NU 214 and at least "C-" or concurrent enrollment in NU 207.* This course builds upon basic pharmacological principles and expands knowledge of further drug classifications with an emphasis on pharmacokinetics, and pharmacodynamics of major drug classes and commonly prescribed prototype medications within each drug class including therapeutic uses, adverse reactions, precautions, and contraindications. Students are able to identify antidotes to drug toxicity or overdose. Students apply critical thinking skills to case studies focusing on pharmacological agents to treat pathological conditions. *Required for NU 207, 305, 306.* Spring.

**NU 401 Community Health Nursing (3 credits)** *Prereq.: Valid CPR card; at least "C-" in all junior-level nursing courses; and credit for or concurrent enrollment in NUL 401.* This course provides nursing students with the knowledge and skills essential for application of the nursing process with families and other groups in the community with emphasis on health promotion, preventive health, health teaching, and restorative health. Concepts of environmental health and epidemiology are also acquired. Learning experiences are planned in a variety of community settings. 3 hours lecture. *Required for NU 408.* Fall.

**NUL 401 Community Health Nursing Clinical (2 credits)** *Coreq.: NU 401.* 6 hours clinical experience. Fall.

**NU 406 Nursing Research and Statistics (3 credits)** *Prereq.: At least "C-" in all junior-level nursing courses.* The student will learn basic statistical concepts and methods of collecting, summarizing, presenting, and interpreting data to integrate evidenced-based practice into the role of the professional nurse. The student will develop skill in critiquing nursing research articles, describe fundamental concepts in research design, and acknowledge the importance of employing ethical principles for subject protection. *Required for NU 408.* Fall.

**NU 407 Advanced Medical-Surgical Nursing (3 credits)** *Prereq.: Valid CPR card; at least "C-" in all junior-level nursing courses; and credit for or concurrent enrollment in NUL 407.* This course focuses on the utilization of the nursing process in meeting the needs of the critically ill/emergency patient and his family. The student will learn rapid assessment, priority setting, planning and implementation of care to the patient in a life-threatening situation. This course also strives to enhance the skills of critical thinking, decision-making, independent judgment, prioritizing care, and delegation. Learning experiences are provided in the critical-care clinical settings. 3 hours lecture. *Required for NU 408.* Fall.

**NUL 407 Advanced Medical-Surgical Nursing Clinical (2 credits)** *Coreq.: NU 407.* 6 hours clinical experience. Fall.

**NU 408 Preceptorship (6)** *Prereq.: Valid CPR card; at least "C-" in NU 401, 406, and 407; and concurrent enrollment in NU 410 and 412.* This course focuses on providing the student with the opportunity to practice roles of a professional nurse in one clinical area with the assistance of faculty and a selected preceptor. Preceptorship assists the student in making the transition from the academic setting to the professional work setting. This experience provides opportunities for the student to incorporate the principles of leadership, decision making, research, change, and teaching/learning during the experience. The student is in the clinical setting 320 hours. 32 hours clinical experience. Spring.

**NU 410 Issues and Trends in Professional Nursing (3 credits)** *Coreq.: NU 408 and 412.* Selected issues and trends in nursing and in health care in general will be learned with emphasis upon nursing education and practice, evolving roles of the professional nurse, career development, legislation, and professional ethics. The student will also learn the impact of social changes on nursing through the years. Spring.

**NU 412 Senior Nursing Seminar (3 credits)** *Coreq.: NU 408 and 410.* This course provides the opportunity for synthesizing nursing theories, concepts, and principles from the entire curriculum into the total concept of the professional nurse. Students will learn the roles of the professional nurse with an emphasis on leadership and management roles. Students are prepared for the NCLEX-RN exam by weekly reviews by the nursing faculty. Discussion in the clinical area will be shared with an emphasis on application of the principles of leadership, management, delegation, and other supporting principles in decision making. Spring.

**NU 490 Nursing NCLEX-RN Review (2 credits)** This course presents a comprehensive review of Medical-Surgical content to prepare the student for the National Council's Licensure Exam for the RN (NCLEX-RN) and is required of all students who do not successfully achieve the established score on a standardized exit exam. Students will complete computer-based practice exams and remediation to evaluate and build their knowledge base. Post-term.

## Office Administration

**OA 101 Beginning Keyboarding (3 credits)** Students will learn the touch system of keyboarding and will develop accuracy, rhythm, and speed. *Required for OA 150, 201; SE 313.* Fall, Spring.

**OA 150 Keyboarding Speed/Accuracy Development (1 credit)** *Prereq.: OA 101, or satisfactory performance on keyboarding placement exam.* Students will improve their speed and accuracy in keyboarding skills by (a) learning correct keyboarding techniques, (b) completing individualized speed and accuracy assignments, and (c) measuring personal achievement through weekly 5-minute timed writings. *Required for OA 201, 250, 301.* Fall, Spring.

**OA 201 Intermediate Keyboarding (4 credits)** *Prereq.: CS 101; and at least "C-" in OA 101 or 150, or satisfactory performance on keyboarding placement exam.* In addition to increasing keyboarding speed and accuracy, the student will develop skill in proofreading documents and will efficiently produce business letters, reports, and tables in mailable form using Microsoft Word. Foundational document design concepts are also discussed. Meets 5 hours a week. *Required for OA 250, 301, 341, 411; SE 313.* Fall, Spring.

**OA 210 Records Management (2 credits)** This course covers alphabetic, subject, numeric, and geographic filing systems and methods using ARMA rules. The life cycle of a record is presented with special emphasis on records retention and charge-out procedures. Students apply the steps to processing correspondence for each filing method while completing a simulation using these systems. Fall, Spring.

**OA 213 Survey of Accounting (3 credits)** Students will learn a practical approach to preparing journal entries, adjusting entries, closing entries, and formal financial statements along with banking procedures and control of cash. Ten-key skills are developed. *Required for OA 214.* Fall.

**OA 214 Survey of Accounting (3 credits)** *Prereq.: At least "C-" in AC 231 or OA 213.* Students will learn special journals (including cash receipts, cash payments, sales, and purchases) and payroll accounting in service enterprises. Sample office situations with accounting software provide a practical approach to bookkeeping. Ten-key skills are developed. Spring.

**OA 221 Anatomical Terminology I (3 credits)** The student will demonstrate basic knowledge of biology and its terminology as it relates to the medical profession. Special emphasis is given to the spelling, pronunciation, and definition of terminology, including related pharmacological terms. Students will also learn to use combining forms, prefixes, and suffixes to identify and build new medical terms. *Required for OA 222, 324.* Fall, Spring.

**OA 222 Anatomical Terminology II (3 credits)** *Prereq.: OA 221.* The students will develop a knowledge of anatomy, anatomical terminology, and understanding of the functions of the human body. Special emphasis is given to the spelling, pronunciation, and definition of terminology. *Required for OA 324.* Spring.

**OA 226 Medical Terminology for the Office Professions (1 credit)** The students will learn a basic knowledge of medical terminology limited to the practice of clinical medicine, which deals with the diagnosis and treatment of diseases. Special emphasis is given to the medical language commonly used in the history and physical portion of office reports and medical records. *Required for OA 324.* Spring.

**OA 250 Keyboarding Speed/Accuracy Development (1 credit)** *Prereq.: OA 201.* Students will improve their speed and accuracy in keyboarding skills by (a) learning correct keyboarding techniques, (b) completing individualized speed and accuracy assignments, and (c) measuring personal achievement through weekly 5-minute timed writings. Fall, Spring.

**OA 301 Advanced Keyboarding (4 credits)** *Prereq.: BA 220, 330, and at least "C-" in OA 201.* In addition to continuing to increase keyboarding speed and accuracy, students will develop skill in proofreading documents and will learn advanced document processing skills using Microsoft Word. Students will also develop basic skills in Microsoft Excel, Access, PowerPoint, and Outlook with an emphasis on integrating all Microsoft Office applications. Meets 5 hours a week. Fall, Spring.

**OA 318 Office Procedures (3 credits)** *Prereq.: BA 220 and any office administration or systems concentration.* In this course, students develop an understanding of the principles and practices used in an office setting including work ethics, general office procedures, professional image, ergonomics, meeting planning, and travel arrangements. Fall, Spring.

**OA 322 Fundamentals of Medical Insurance, Billing, and Coding (3 credits)** *Prereq.: Sophomore or above.* Students will learn foundational principles related to third-party insurance, the ICD-10-CM and CPT coding systems, and patient accounting and billing software. *Required for OA 326, 327, 329.* Fall.

**OA 324 Machine Transcription for the Medical Office (4 credits)** *Prereq.: BA 220, OA 221, 222, 226, and medical office administration or medical office systems concentration.* Students develop transcription skills by accurately transcribing a variety of medical dictation while correctly using medical terminology, AAMT transcription guidelines, and proofreading skills. Students also gain practical experience transcribing medical reports that are dictated in different accents to simulate an actual medical office environment. *Required for OA 424.* Fall.

**OA 326 Medical Insurance and Billing (3 credits)** *Prereq.: At least "C-" in OA 322.* Students will learn principles and practices related to government and private insurance companies on behalf of clients. In addition, students gain experience applying healthcare-based accounting and billing software to case studies. Spring.

**OA 327 Diagnosis Coding (3 credits)** *Prereq.: At least "C-" in OA 322.* Students will learn the ICD-10-CM coding system to assign diagnostic codes for diseases and conditions for optimal reimbursement for healthcare providers. Fall even.

**OA 329 Procedural Coding (3 credits)** *Prereq.: At least "C-" in OA 322.* Students will apply CPT coding guidelines to report medical, surgical, and diagnostic procedures and services to insurance companies for optimal reimbursement for healthcare providers. Fall odd.

**OA 408 Office Practicum (1 credit)** *Prereq.: Senior office administration concentration and approval from chair of business.* Students will observe and experience various office duties in an approved off-campus business for a minimum of 40 hours. Both sem., Interterm, and Summer.

**OA 411 Desktop Publishing (3 credits)** *Prereq.: Credit for BA 330 or OA 201.* Students gain hands-on experience using desktop publishing software to create professional business documents such as business cards, brochures, and newsletters. Additionally, students learn design principles and basic photo-editing concepts and apply those concepts to their documents. Fall, Spring.

**OA 418 Office Administration (3 credits)** *Prereq.: Junior or senior with a four-year concentration in office, legal office, or medical office administration.* Students learn effective principles to manage information, technology, and training; employment laws; and office design. Special emphasis is given to project management. Spring.

**OA 424 Advanced Medical Transcription (3 credits)** *Prereq.: OA 324.* Students transcribe a variety of specialty medical reports from actual physician dictation while improving transcription accuracy and speed. This course further prepares students to take the Association for Healthcare Document Integrity (AHDII) registration examination. Spring.

**OA 428 Medical Office Practicum (1 credit)** *Prereq.: Senior medical office administration concentration and approval from chair of business.* Students will observe and experience various office duties in an approved off-campus medical office setting for a minimum of 40 hours. Both sem., Interterm, and Summer.

## Physical Education (Activity)

These courses are open to all students. Unless otherwise indicated, one credit is granted on the basis of two one-hour classes per week. In addition to sport skill and fitness, each course has an academic component measured by quizzes and examinations over rules and techniques.

When two numbers are listed, the first is a men's course, and the second is a women's course.

**PE 105/115 Beginning Soccer** Fall.

**PE 107 Beginning Volleyball** Fall.

**PE 121/131 Beginning Basketball** Spring.

**PE 124/134 Softball** Spring.

**PE 125 Racquetball** Fall.

**PE 127/137 Broom Hockey** Fall.

**PE 160/170 Swimming/Physical Fitness (1 credit)** This Red Cross certified course is for swimmers and nonswimmers to learn or improve swimming skills. Swimming certification is earned, and a Red Cross course fee will be assessed. Students are also taught how to attain and measure physical fitness. Meets 2 hours a week. Fall, Spring.

**PE 165 Sailing/Kayaking (1 credit)** This course is designed to introduce the student to catamaran sailing as well as to provide opportunities for practicing the basic fundamentals of seamanship. Students will also learn the basics of sea kayaking using both one- and two-person kayaks. Meets once a week for 3 hours. Fall, Spring.

**PE 182 Badminton** Spring.

**PE 201 Beginning Tennis** Fall, Spring.

**PE 226 Minor Sports (2 credits)** This course is designed to acquaint the student with the basic rules and regulations, attributes, and benefits of various lifetime sports such as golf, racquetball, and pickleball that students can enjoy throughout their adult lives. Fall, Spring.

**PE 243/293 Weight Training (1 credit)** This course is designed to teach the student the techniques, fundamentals, and different philosophies of weight training. Physical conditioning is stressed as well as aerobics. Each student has the opportunity to establish his own fitness program. Meets 2 hours a week. Fall, Spring.

**PE 244 Indoor Rock Climbing** Fall, Spring.

**PE 263 Flag Football—Men** Spring.

**PE 283/273 Physical Fitness (1 credit)** This course is designed to teach students the total realm of physical fitness. The methods of measuring an individual's own degree of physical fitness and the different methods of attaining it will also be taught. At the completion of the course, the student will be able to set up his own individual program for gaining and then maintaining physical fitness. Meets 2 hours a week. Fall, Spring.

**PE 364/374 Lifeguarding (1 credit)** *Prereq.: Red Cross level five swimming ability.* This updated course from the Red Cross instructs students in skills needed to recognize someone in an emergency situation in or around water and effectively assist or rescue that person. Lifeguarding, CPR/AED for the Lifeguard, and First Aid certification can be earned. Course time requirement: 25 hours. A Red Cross course fee will be assessed. Fall, Spring.

**PE 366/376 Lifeguarding Instructor (1 credit)** *Prereq.: Currently certified lifeguard and ability to swim 300 yards continuously.* This Red Cross updated course will train instructor candidates to teach Lifeguarding (including first aid), CPR/AED for the Professional Rescuer, Waterfront Lifeguarding, Waterpark Lifeguarding, Shallow Water Attendant, and Lifeguard Management courses which can lead to certification. Students will learn methods for using the course materials and will apply those methods while conducting training sessions and evaluating participants' progress. A Red Cross course fee will be assessed. Spring.

**PE 461/471 Water Safety Instructor (2 credits)** *Prereq.: Red Cross level five swimming ability.* This Red Cross course can certify a student to teach swim classes in any pool or lake. A Red Cross course fee will be assessed. Spring.

### Intercollegiate Sports Courses

Students participate in multiple practices and competitions during respective seasons. All courses are 1 credit each.

**PE 142, 242, 342, 442 Intercollegiate Basketball—Men** Spring.

**PE 147, 247, 347, 447 Blue Crew Spirit Squad** Spring.

**PE 151, 251, 351, 451 Intercollegiate Soccer—Men** Fall.

**PE 152, 252, 352, 452 Intercollegiate Basketball—Women** Spring.

**PE 153, 253, 353, 453 Intercollegiate Volleyball—Women** Fall.

## Physical Education (General)

**PE 184 Fall Team Sports (2 credits)** *Prereq.: PE teaching field, minor, emphasis, or sport management concentration.* Students learn the fundamental rules, skills, terminology, and strategy in cross country, football, soccer, and volleyball. Meets 3 hours a week. *Required for PE 303, 309; SE 317.* Fall.

**PE 187 Spring Team Sports (2 credits)** *Prereq.: PE teaching field, minor, emphasis, or sport management concentration.* Students learn the fundamental rules, skills, terminology, and strategy in baseball, basketball, softball, and track and field. Meets 3 hours a week. *Required for PE 323, 333, 392; SE 317.* Spring.



**PE 191 Sport Physiology (2 credits)** Students study the cardiovascular, respiratory, and muscular systems to understand the immediate and long-term effects of exercise on these systems and to enable them to develop sound training principles for healthy or injured athletes in various sports. *Required for BY 441; PE 196, 368; SE 317.* Fall, Spring.

**PE 195 Elementary PE Activities (1 credit)** *Prereq.: Elementary education major.* This class acquaints the elementary education majors with the fundamental rules and skills in basketball, softball, volleyball, and soccer in preparation for the work with elementary PE classes in EE 308. Meets 2 hours a week. *Required for EE 308.* Fall, Spring.

**PE 196 Introduction to Coaching (1 credit)** *Prereq.: Credit for or concurrent enrollment in PE 191.* This course prompts students to begin developing or to refine a personal coaching philosophy emphasizing sportsmanship, ethics in coaching, and proven effective coaching styles in working with various player personalities. The student will also learn how to communicate with athletes and motivate and manage athletic behavior. Students will also develop coaching plans for various sports. *Required for PE 207, 303, 309, 323, 328, 333, 392; SE 317.* Fall, Spring.

**PE 207–392 Coaching Classes** These are theory and practice courses for coaching various sports. The student will learn skills, techniques, and coaching strategies involved in the sport.

**PE 207 Coaching Track and Field (2 credits)** *Prereq.: PE 196. Required for SE 317.* Spring odd.

**PE 303 Coaching Soccer (2 credits)** *Prereq.: PE 184 (or youth ministries broad field) and PE 196.* Fall even.

**PE 309 Coaching Volleyball (2 credits)** *Prereq.: PE 184 (or youth ministries broad field) and PE 196.* Fall.

**PE 323 Coaching Baseball—Men (2 credits)** *Prereq.: PE 187 (or youth ministries broad field) and PE 196.* Spring even.

**PE 328 Coaching Football—Men (2 credits)** *Prereq.: PE 196.* Fall odd.

**PE 333 Coaching Softball (2 credits)** *Prereq.: PE 187 (or youth ministries broad field) and PE 196.* Spring even.

**PE 392 Coaching Basketball (2 credits)** *Prereq.: PE 187 (or youth ministries broad field) and PE 196.* Fall, Spring.

**PE 210 History, Principles, and Philosophy of Physical Education (2 credits)** The student will learn historical background and nature of physical education and sport, the evolution of physical education and athletics, and principles for the development of a personal philosophy of physical education. Spring.

**PE 225 First Aid (2 credits)** This course provides students with the knowledge and skills necessary to provide care in emergency situations. American Red Cross CPR/PR and First Aid cards may be earned. A Red Cross course fee will be assessed. *Required for PM 310.* Fall, Spring.

**PE 301 Organization and Administration of Physical Education (2 credits)** This course covers the aspects involved in organizing and administering a physical education program in the Christian school. The student will learn how to schedule competition and tournaments and how to design practices, fundraisers, and budgets. Spring.

**PE 321 Kinesiology (2 credits)** *Prereq.: MA 121 or higher.* Students learn the anatomy and biomechanics of the foot, ankle, knee, hips, shoulder, and spine. Students also learn to name and identify main muscles and bones. *Required for BY 441, SE 317.* Fall, Spring.

**PE 324 Care of Athletic Injuries (1 credit)** Students learn how to treat many athletic injuries. Prevention and rehabilitation of injuries will also be taught. Fall, Spring.

**PE 368 Developing Fitness Programs (2 credits)** *Prereq.: PE 191.* Students will learn principles and techniques of testing and training athletes in fitness. The student will be able to develop various strength and conditioning programs designed to enhance athletic performance and improve physical fitness. Spring.

## Political Science

**PL 101 American Political Heritage (3 credits)** Students examine America's political ideals from their English roots up to the culminating principles of freedom in the Declaration of Independence and review primary documents to learn about the development of America's political heritage and the foundational concepts of its future government. Fall.

**PL 207 Introduction to Political Science (3 credits)** Students examine the major sub-fields of political science by evaluating nation-state politics and by contrasting the intricacies of Western democracy and authoritarianism as systems of government. This course may be taken as a social science elective. *Required for PL 381, 402.* Fall, Spring.

**PL 303 State and Local Government (3 credits)** This course analyzes the structure and functions of state and local governments. The student will learn about topics such as federalism, police power, political parties, and policymaking as observed from the state level and from their relationship to the federal government. This course may be taken as a history elective by history major, minor, or teaching field; or as a social science elective. Spring.

**PL 304 American Government (3 credits)** This course discusses the features of American government, its organizational structure, and the way it functions on a national level. The students will learn the basic construction of the Constitution and the operations of the three branches of government. This course may be taken as a social science elective. *Required for PL 321, 402, 405, 425; SE 306.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**PL 313 Democracy in America (3 credits)** *Prereq.: HI 201, 202, and sophomore or above.* Students analyze current political institutions including political parties, elections, campaigns, the media, and special interest groups. *Offered on campus:* Spring odd; online: Interterm, Summer.

**PL 321 American Public Policy (3 credits)** *Prereq.: PL 304 and sophomore or above.* Students examine American foreign and domestic policy at both the national and state level. Fall even.

**PL 381 International Relations (3 credits)** *Prereq.: PL 207.* Students examine various paradigms of international relations and apply a biblical worldview to the use of American policy and influence. Fall even.

**PL 402 Political Theory (3 credits)** *Prereq.: PL 207 and 304.* Students learn general questions of political thought concerning the state, power, equality, freedom, and human nature. Such questions and others are addressed from a Christian perspective and are contrasted with political ideologies that have arisen in modern times. Spring.

**PL 405 Models of Modern Political Leadership (3 credits)** *Prereq.: PL 304.* Students examine many of the political leaders that have influenced the modern world. More than just looking at personalities, this course will stress such leadership qualities as vision, initiative, organization, and influence. Fall odd.

**PL 407 Political Science Research (3 credits)** *Prereq.: MA 125 and junior or senior political science concentration.* Students learn the logic, design, sampling, and data collection techniques involved in research methods in political science. Fall odd.

**PL 413 Political Science Internship (3 credits)** *Prereq.: Junior or senior, 12 hours of PL courses, and approval from chair of humanities.* This internship of at least 120 hours provides an opportunity for the student to gain practical knowledge about a career in government or with an organization that works to affect government policy. Interterm, Summer.

**PL 425 Public Administration (3 credits)** *Prereq.: PL 304, and junior or senior.* Students learn basic concepts and issues of American public administrations. Topics such as budget/finance, decision making, personnel, organization, and government regulation are examined. Spring even.

## Sport Management

**PM 201 Introduction to Sport Management (2 credits)** Students will learn the foundational principles used in sport management, the history of sport management and athletics, and the primary principles needed for developing a career path in this field. Spring.

**PM 218 Sport Nutrition (3 credits)** This course introduces the student to energy production and performance by studying the science behind sport nutrition. Students will learn the principles of nutrition as they relate specifically to sport and the influence of nutrition on exercise performance, training, and recovery. Students will also learn how to distinguish between fact and fallacy regarding sport nutrition and supplements. Fall, Spring.

**PM 302 Camp Programs and Management (3 credits)** *Prereq.: Sophomore or above.* Students learn the development, structure, and function of day, sport, and overnight camp ministries. Staff recruitment, training, and oversight are addressed. Facility development with attention to the scheduling of events is given. Other administrative duties include legal aspects, government regulations, budgeting, food preparation and handling, and promotions and advertising. *Required for PM 310.* Spring even.

**PM 310, 311 Sport Management Practicum (2 credits each)** *Prereq. for PM 310: PE 225, 302, sport management concentration, and approval from chair of business; prereq. for PM 311: PM 310, sport management concentration, and approval from chair of business.* Students receive valuable, practical experience in sport management by spending a minimum of 80 hours working in the field under a director or manager at an approved off-campus site. *Required for PM 311.* Both sem., Interterm, and Summer.

**PM 401 Senior Sport Management Seminar (2 credits)** *Prereq.: Senior sport management concentration.* Students will examine current issues and trends and will apply principles of leadership to sport management. Spring.

**PM 412 Design and Operation of Sport and Recreational Facilities (2 credits)** *Prereq.: Junior or senior sport management concentration.* Students are introduced to the designing, planning, and managing of sport and recreation facilities. The student will learn the guidelines for an effective floor plan, finance, maintenance, and legal issues affecting both indoor and outdoor facilities. Students will also be given an opportunity to design their own sport facility. Spring odd.

## Practical Training

**PR 101–402 Ministerial Seminar (1 credit each)** *Prereq.: Ministerial student; each level requires the preceding one.* This course involves lectures on the more practical aspects of Christian work as perceived by visiting pastors, evangelists, missionaries, and mature, experienced Christians. It also includes a ministerial lab where the student prepares and delivers Bible messages. The course is designed to enrich and develop the student's background for Christian service. Meets 2 hours a week. *Required for PR 102, each level required for the next one.* Fall, Spring.

**PR 204, 304, 404 Bible and Practical Ministry (1 credit each)** *Prereq.: Each level requires the preceding one.* The course includes Bible reading, readings in Christian books, and field experience. This course covers a period of 10 weeks, and each student must submit detailed weekly reports. MI 207 may be taken in place of PR 404. *Required for PR 304, each level required for the next one.* Summer.

**PR 214 Church Organization and Administration (2 credits)** *Prereq.: Male Bible major.* This practical course allows the student to learn how to organize the local church from the standpoint of the pastor and his staff. Topics on pastoral theology and pastoral administration are covered as well as the administration of the various Christian education ministries. Special emphasis is given to the application of biblical principles to the daily administration of local church operations. Fall.

**PR 240 Evangelism and Discipleship (2 credits)** This course will equip the student to present the gospel and to disciple a new believer. The class will focus on the biblical foundation for and the verbal communication of the gospel, the biblical content and methodology of discipleship, and the development of evangelism and discipleship strategies in a local church context. Fall, Spring.

**PR 306 Interpersonal Relationships (3 credits)** The Christian's successful relationship with God, his family, his employer/employees, his fellow workers, and other people with whom he comes in contact are dealt with in this course. A special emphasis is given to the student's ability to practically apply the scriptural principles relating to human relationships. This course may be taken as a social science elective. Offered on campus: Fall, Spring; online: Interterm, Summer.

**PR 312 Youth Ministry (2 credits)** Students learn a biblical philosophy of youth ministry, recognize the key characteristics and needs of teens and children, and develop practical methods of reaching and teaching them. *Required for PR 420.* Spring.

**PR 314 Church Business (1 credit)** *Prereq.: Junior or senior male Bible major.* This course allows students to become proficient in applying biblical principles to the financial operation of the local church. Financial management topics include budgeting, running business meetings, managing debt, incorporation, and establishing personnel policies. Spring.

**PR 315 Homiletics I (2 credits)** *Prereq.: Credit for or concurrent enrollment in SP 201, and junior or senior ministerial student.* A study of the preparation and delivery of sermons that includes the foundational elements of sermon structure, development, and effective delivery. The techniques and styles of pulpit exhortation are studied. Outlining and organizational methods are explored. *Required for PR 316.* Fall.

**PR 316 Homiletics II (2 credits)** *Prereq.: PR 315.* A study of the careful and diligent preparation of the various types of sermons. The student is given preaching opportunities that increase his ability to deliver messages to an audience. The art of objectively assessing the strong and weak qualities of preaching is emphasized. Spring.

**PR 317 Pastoral Internship Practicum (3 credits)** *Prereq.: Junior or senior ministerial student and approval from the Church Ministries Coordinator.* This practicum is 12 weeks long. Students receive practical training in the pastoral ministry by working with an experienced pastor in the field. Summer.

**PR 320 Baptist Polity (1 credit)** *Prereq.: BI 321, 322, and senior ministerial student.* This course presents the historic principles and practices of Baptist churches, noting the nature of the Church, its membership, ministry, officers, ordinances, worship, witness, and discipline. A brief history of the Baptists is included in this overview of how Baptist churches are governed. Students prepare a personal doctrinal statement. Fall.

**PR 327 Church Ministries Internship (1 credit)** *Prereq.: Sophomore or above ministerial student.* This course is designed to involve the ministerial student in a practical internship within Campus Church. The student will observe the ministries of Campus Church, documenting procedures and operations of each ministry in a personal journal. *Required for PR 328.* Fall, Spring.

**PR 328 Church Ministries Internship (1 credit)** *Prereq.: PR 327 and ministerial student.* This course is a continuation of the internship started in PR 327. Students will participate in a hands-on internship in Campus Church ministries. Fall, Spring.

**PR 341 Evangelism Practicum (3 credits)** *Prereq.: Approval from chair of Bible.* The student may choose one of the following options to earn credit for this course: (1) working a summer at the various camps on PCC's campus, (2) traveling one summer with a PCC Proclaim Ministry Team as a student speaker, or (3) assisting a pastor with the setup and follow through for evangelistic meetings in a local church. *Required for PR 344.* Summer.

**PR 342 Evangelism Practicum (3 credits)** *Prereq.: Approval from chair of Bible.* This practicum involves on-the-job evangelistic training. The student spends the summer working in practical evangelism at the various camps on PCC's campus. *Required for PR 344.* Summer.

**PR 344 Evangelism Practicum (3 credits)** *Prereq.: PR 341, 342, and approval from chair of Bible.* The purpose of this practicum is to provide additional training and experience in evangelism. The student may complete this practicum by working a summer at the various camps on PCC's campus. Summer.

**PR 362 Introduction to Biblical Counseling (1 credit)** *Prereq.: Junior or senior.* In this course, the student learns the foundational elements of biblical counseling. A comparison is made between the historical psychological models of counseling and the biblical counseling model. An emphasis is placed on recognizing the sufficiency of Scripture in counseling. Spring.

**PR 406 Missionary Assistance Program (3 credits)** *Prereq.: Approval from chair of Bible.* This course requires the student to travel to a particular mission field and to work as an aid to experienced missionaries on that field. Through hands-on training, the student will gain practical experience in preparation for the mission field. Summer.

**PR 407 Christian Camp Counseling (3 credits)** *Prereq.: Approval from chair of Bible.* Practical experience working in a Christian camp provides the student with an understanding of how to deal with the problems of Christian youth. Summer.

**PR 411 Biblical Ethics (3 credits)** *Prereq.: Junior or senior.* Students develop a distinctively biblical perspective of ethics. With a foundation in biblical critical thinking, students will learn to apply the absolute truths revealed in the laws and principles of God's Word to a variety of topics pertinent to contemporary society. This course may be taken as a social science elective. Offered on campus: Fall, Spring; online: Interterm, Summer.

**PR 412 Camp Administration (3 credits)** *Prereq.: Approval from chair of Bible.* This course involves working at a Christian camp during the summer and receiving actual training in the administrative responsibilities of running a camp. Summer.

**PR 413 Camp Practicum (3 credits)** *Prereq.: Approval from chair of Bible.* Students receive experiential training in crafts, Bible classes, programs, and counseling. Summer.

**PR 415 Marriage and Family Education (3 credits)** *Prereq.: Junior or senior.* This course is designed to guide the student from a biblical perspective through the multitude of responsibilities relating to courtship and marriage. Students will know the biblical foundation for marriage and learn principles for courtship, engagement, roles in marriage, adjustments during marriage, stewardship, and parenthood. This course may be taken as a social science elective. Offered on campus: Fall, Spring; online: Interterm, Summer.

**PR 417 Pastoral Internship Practicum (3 credits)** *Prereq.: Junior or senior ministerial student and approval from the Church Ministries Coordinator.* This practicum is 12 weeks long. Students receive practical training in the pastoral ministry by working with an experienced pastor in the field. Summer.

**PR 420 Youth Ministries Practicum (2 credits)** *Prereq.: PR 312 and junior or senior youth ministries concentration or broad field.* Students will be required to assist in a youth ministry. This practicum may be done at Campus Church or at an approved local church off campus. Special attention will be given to Bible instruction, organizing and administering youth activities, counseling young people, proper discipline, and teenage soulwinning. Fall, Spring.

## Psychology

**PS 206 General Psychology (1 credit)** *Prereq.: Junior or senior nursing major.* This course is designed to provide the student with the fundamental theories, concepts, and principles of psychology. The history and development of psychology are also emphasized. The student will be able to apply therapeutic psychological interventions and pertinent research findings to psychological problems. *Required for NU 306, 307, 308; PS 409.* Fall.

**PS 211 Introduction to Psychology (3 credits)** *Prereq.: Natural sciences major and sophomore or above.* This course is designed to provide a broad introduction to the study of psychological theory and theorists. Students will learn the theories and contemporary approaches to psychology. Emphasis will be placed on developmental psychology and understanding research in psychobiology. *Required for PS 409.* Fall.

**PS 323 Developmental Psychology (3 credits)** *Prereq.: Junior or senior; and nursing major or pre-medicine, pre-pharmacy, or pre-physical therapy emphasis.* This course is designed to provide the student with a basis for understanding the common changes that occur in individuals as they progress through the life span from birth to death. Emphasis is placed on the viewpoints of the major developmental theorists. The teaching, learning, and motivational factors of behavior are acquired along with common maturational crises in each phase of the life cycle. Changing family roles and biblical principles for each age group within the life span are also explored. *Required for NU 306, 307, 308.* Fall.

**PS 409 Abnormal Psychology (3 credits)** *Prereq.: BY 202 or BY 312; CJ 201, PS 206, or PS 211; and junior or senior.* This course is designed to provide extensive coverage of the study of psychological disorders, specifically for those students planning to continue on to graduate school in the health sciences. Students will evaluate the theories and contemporary approaches to mental disease with analysis of the Diagnostic and Statistical Manual of Mental Disorders while integrating a comprehensive biblical perspective. Spring.

## Professional Writing

**PW 301 Copywriting (3 credits)** *Prereq.: EN 126 and sophomore or above.* This course teaches how to write advertisements for print and digital media. Students will learn creative strategy, the motivating sequence, and philosophical aspects of advertising. This course may be taken as an English elective by English major or minor. *Required for MK 402.* Fall, Spring.

**PW 302 Copy Editing (3 credits)** *Prereq.: EN 360.* Students will learn how to edit their own writing and the writing of others by applying editing principles taught in this class. This course may be taken as an English elective by English major or minor. *Required for PW 404, 406, 421, 422.* Fall.

**PW 305 Technical Writing (3 credits)** *Prereq.: CS 101, EN 126, and sophomore or above.* This course focuses on the style of writing used in technical, non-creative fields. The student will learn to craft a variety of technical communications, including the use of effective graphics and design. *Required for PW 421, 422.* Spring.

**PW 325 Journalism I (3 credits)** *Prereq.: EN 126 and sophomore or above.* Students will learn a practical introduction to journalism, focusing on the basics of news writing. Students will write several basic news stories using facts gathered through research and interviews. This course may be taken as an English elective by English major or minor. *Required for PW 326, 406.* Fall.

**PW 326 Journalism II (3 credits)** *Prereq.: PW 325.* Students will learn advanced reporting techniques using public records and development of news sources to write a variety of news stories. This course may be taken as an English elective by English major or minor. Spring.

**PW 404 Advanced Copy Editing (3 credits)** *Prereq.: EN 401 and PW 302.* This course builds on the principles learned in PW 302. The students receive practical experience through the editing and publishing of a literary magazine. This course may be taken as an English elective by English major or minor. Spring.

**PW 406 Creative Nonfiction (3 credits)** *Prereq.: EN 401, PW 302, 325, and graduating senior.* The student will develop advanced writing skills in journalism, literary nonfiction, editorial and opinion writing, and essay composition. Emphasis will be placed on polishing writing skills. Fall.

**PW 408 Writing for Publication (3 credits)** *Prereq.: EN 301 and junior or senior.* This course teaches students the skills necessary for freelance writing, including dealing with finances and setting writing goals. Students will learn to sell articles and manuscripts and find markets as well as properly compose book proposals. Spring.

**PW 421 Professional Writing Portfolio Exhibit (3 credits)** *Prereq.: EN 301, PW 302, 305, and senior professional writing concentration.* Students prepare a professional-quality portfolio. Fall, Spring.

**PW 422 Professional Writing Internship (2 credits)** *Prereq.: EN 301, PW 302, 305, and senior professional writing concentration and approval from chair of humanities.* Students obtain actual field experience in the area of professional writing. Both sem., Interterm, and Summer.

## Physics

**PY 211 College Physics I (4 credits)** *Prereq.: Credit for or concurrent enrollment in MA 131 and concentration/emphasis other than chemistry, electrical engineering, mathematics, or mechanical engineering.* Students learn the concepts of vectors, kinematics, and dynamics. A special emphasis is placed on concepts and solving problems (Trigonometry based). 4 hours lecture, plus lab. *Required for PY 212, SE 308.* Fall.

**PY 212 College Physics II (4 credits)** *Prereq.: PY 211.* Students learn the concepts of temperature, wave phenomena, acoustics, optics, electricity, and magnetism. A special emphasis is placed on concepts and solving problems (Trigonometry based). 4 hours lecture, plus lab. Spring.

**PY 231 General Physics I (4 credits)** *Prereq.: MA 221.* Students learn the physics of matter and energy with a general study of the principles of vector mechanics and the laws of equilibrium, motion, energy, work, momentum, and vibrations (Calculus based). 4 hours lecture, plus lab. *Required for EG 205, 206, 208; ME 308; PY 232.* Fall.

**PY 232 General Physics II (4 credits)** *Prereq.: PY 231 and credit for or concurrent enrollment in MA 222.* Students learn about fluid mechanics, wave phenomena, thermodynamics, optics, electricity, and magnetism (Calculus based). 4 hours lecture, plus lab. *Required for CH 321; EG 321; EL 331, 341; ME 301.* Spring.

## General Science

**SC 111 Fundamentals of Biology (3 credits)** Students will learn foundational concepts in biology by studying origins, plant biology, all major animal phyla, and ecology and environment. This course will not count toward a science teaching field. Offered on campus: Fall, Spring; online: Interterm, Summer.

**SC 112 Human and Cell Biology (3 credits)** Students will learn the central concepts of human anatomy and physiology, cell biology, and genetics. This course will not count toward a science teaching field. Offered on campus: Fall, Spring; online: Interterm, Summer.

**SC 122 General Entomology (3 credits)** This course provides an overview of the study of insects. Students will learn anatomy, biology, and taxonomy of insects and identify many common insects to the family level. In addition, they will study the practical uses of entomology. Offered on campus: Fall odd; online: Summer.

**SC 141 Introduction to Astronomy (3 credits)** Students learn general principles and practical techniques in astronomy. Topics included are telescopes, the solar system, the constellations, stars, galaxies, and the measurement of time. Fall, Spring.

**SC 211 Earth and Space (3 credits)** Students learn the foundational scientific laws and principles that govern the natural processes involved in geology, oceanography, meteorology, and astronomy. *Required for SE 308.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**SC 212 Physical Science (3 credits)** Students learn the foundational concepts, theories, and principles that guide the current understanding of and research in chemistry and physics. *Required for SE 308.* Offered on campus: Fall, Spring; online: Interterm, Summer.

**SC 218 Elements of Nutrition (3 credits)** Students learn the basic concepts of human nutrition, application of that knowledge to a healthy lifestyle, and nutritional diseases. Topics include nutrients and nutritional processes, food safety, and nutrition for life stages. Nationally established guidelines are addressed. Offered on campus: Fall, Spring; online: Interterm, Summer.

**SC 231 Sociology for Health Professionals (3 credits)** *Prereq.: Major in natural sciences.* Students learn the basic theories and principles of sociology with particular emphasis on its relevance to health care in the United States. Students will learn about the nature of sociology, characteristics of individuals within society, social institutions and human ecology, and social change. Fall.

**SC 242 Basics of Pharmacy Practice (2 credits)** *Prereq.: BY 111 and CH 111.* Students learn the basic principles of pharmacy practice through a systematic introduction to all aspects of the profession. Drug classification and dosage formulations will be taught with an emphasis placed on practical knowledge required by all pharmacy professionals. Successful completion of this class prepares students to sit for the Pharmacy Technician Certification Examination. *Required for SC 442.* Spring.

**SC 271, 371, 471 Science Research (2 each)** *Prereq.: Major in natural sciences; and approval from chair of natural sciences.* Students complete a documented scientific research experience in this elective internship. This is an 80-hour minimum summer research experience in an approved off-campus facility. *Required for SC 371, each level required for the next one.* Summer.



**SC 299 Research Methods (2 credits)** *Prereq.: Sophomore or above.* This course teaches students an introduction to the methods and techniques that are used to produce and disseminate science information. Students will select topics, review literature, analyze findings, and write reports using correct formatting for science writing. Students will also give a scientific presentation that appropriately addresses/assesses both the topic and the audience effectively. Students will be exposed to collaborative work in science research. SC 299 may not be taken as an SC elective. *Required for SC 499.* Spring.

**SC 351–352 Physical Therapy Observation Internship (1 credit each)** *Prereq.: BY 311; 2.75 GPA or higher; and approval from chair of natural sciences.* Students will complete a documented observation of a licensed physical therapist for a minimum of 40 hours. The student will take two different internships from the following choices: a hospital or rehabilitation center, a home health care setting, sports medicine center, or an outpatient-based center. *Required for SC 352.* Both sem., Interterm, and Summer.

**SC 392 Pre-Health Preparation Seminar (1 credit)** *Prereq.: Junior or senior natural sciences major.* Students prepare to pursue graduate studies in the health sciences through review of relevant topics in preparation for graduate admissions tests, practice test-taking strategies, learn to communicate goals through a written purpose statement, and participate in practice interviews. Spring.

**SC 430 Professional Issues in the Sciences (3 credits)** *Prereq.: Senior.* This course addresses, from a biblical philosophy, vital issues in the sciences, including creation science and evolution, ethics, and decision making for relevant and current issues in various science fields. Students prepare a research paper discussing an advanced science topic in the context of technical, social, ethical, and spiritual issues. Fall.

**SC 442 Pharmacology (4 credits)** *Prereq.: BY 312, CH 306, and SC 242.* Students learn the principles of pharmacology, including drug distribution and absorption and concepts of pharmacokinetics and pharmacodynamics. 4 hours lecture. This course may be taken to fulfill the BY/CH elective in the pre-medicine emphasis. Fall.

**SC 461–462 Biomedical Practicum (1 credit each)** *Prereq. for SC 461: Junior or senior; BY 312; major in natural sciences; and approval from chair of natural sciences; prereq. for SC 462: SC 461.* Students receive practical biomedical experience in this elective practicum. Students complete a documented participation in or observation of an approved off-campus health care facility for a minimum of 40 hours. *Required for SC 462.* Both sem., Interterm, and Summer.

**SC 499 Senior Research Seminar (2 credits)** *Prereq.: SC 299 and senior.* This capstone course helps students with final preparations for job placement or graduate school. Students will demonstrate the cumulative knowledge and technical skills gleaned from major required undergraduate classes and develop and submit a research proposal. Spring.

## Secondary Education

**SE 201 General Teaching Methods (3 credits)** *Prereq.: At least "C-" in ED 101 and sophomore or above; and secondary education major, education minor or emphasis, or special education minor.* This course is designed as a foundational teaching skills course and involves the student in current reading, various methods of instruction, and the operation and use of classroom visuals and equipment. Observation and peer teaching are important elements of this course. This course is a prerequisite to all 300- and 400-level secondary education courses. *Required for ED 211, 260, 306, 351, 362, 363; EE 308; SE 210, 304, 305, 306, 307, 308, 309, 313, 316, 317.* Fall, Spring.

**SE 210, 310, 410 Secondary Education Practicum (1 credit each)** *Prereq.: At least "C-" in SE 201; secondary education major or education minor or emphasis; and approval from chair of education.* This course has been designed to expose the secondary education major to practical experience in an approved local Christian junior high or high school under the supervision of a classroom teacher. The course requires spending a minimum of 45 hours working in actual grades 7–12 teaching responsibilities along with a variety of other projects in the student's two teaching fields. These courses are offered during Interterm and normally can be taken in the vicinity of the student's home. *Required for SE 310, 420 (each level required for the next one).* Interterm.

**SE 304–317** *Prereq. for all SE 300-level courses: Junior or senior secondary education major, and at least "C-" in completed teaching field courses and SE 201. Additional prereqs. listed beside courses below.* Secondary education majors observe, learn, practice, and perform the traditional methodology pertaining to each field. Included are philosophy, teaching tools, and techniques for each field as well as classroom management techniques, test and visual construction, and lesson planning. Important components of each methods course are the observation of experienced teachers and the peer teaching experiences. The goal is a thorough preparation for the teaching internship and ultimately the Christian school secondary classroom.

**SE 304 Teaching English (3 credits)** *Additional prereq.: EN 251, 301, and 360.* Fall, Spring.

**SE 305 Teaching Spanish (3 credits)** *Additional prereq.: Credit for or concurrent enrollment in ML 322.* Spring.

**SE 306 Teaching History (3 credits)** *Additional prereq.: HI 201, 202, 211, and PL 304.* Fall, Spring.

**SE 307 Teaching Mathematics (3 credits)** *Additional prereq.: MA 212, 221, and credit for or concurrent enrollment in MA 302.* Fall.

**SE 308 Teaching Science (3 credits)** *Additional prereq.: Biology concentration: BY 112, 201, 202, and CH 111. Science concentration: BY 111, 112, CH 111, SC 211, and PY 211 or SC 212.* Spring.

**SE 309 Teaching Speech (3 credits)** *Additional prereq.: SP 201 and 204.* Spring.

**SE 313 Teaching Technology (3 credits)** *Additional prereq.: BA 330, CS 202, and OA 201.* Fall.

**SE 316 Teaching Art (3 credits)** *Additional prereq.: AR 204.* Spring.

**SE 317 Teaching Physical Education (3 credits)** *Additional prereq.: PE 184, 187, coaching elective, and credit for or concurrent enrollment in PE 321 and a second coaching elective.* Fall.

**SE 321 Teaching Reading Skills for the Secondary Student (2 credits)** *Prereq.: Junior or senior.* Students will learn how to improve oral reading and comprehension skills in older students. The course includes an overview of phonics, language-acquisition helps, reading-remediation techniques, and comprehension studies. Students in the course will be provided opportunities to teach and to work with student readers. Fall, Spring.

**SE 420 Secondary Teaching Internship (7 credits)** *Prereq.: ED 211, 419, SE 210; a methods course in each teaching field; senior; concurrent enrollment in BI 318, ED 301, 415; at least "C-" in all education courses; 2.00 cumulative GPA or higher; and approval from chair of education. Additional prereq. for PE teaching field: PE 225.* A minimum of one-half semester during either semester of a student's senior year will be spent in supervised classroom teaching at Pensacola Christian Academy. A weekly support seminar is coordinated with the internship experience. *Begins Pre-term in the fall.*

## Speech

**SP 101 Fundamentals of Speech (3 credits)** This basic principles and techniques course emphasizes delivery styles and platform performance. Students study and perform Scripture reading, impromptu, demonstration, speech of introduction, and extemporaneous devotional. *Required for SP 102, 201, 207, 250, 312, 410.* Fall, Spring.

**SP 102 Fundamentals of Speech (3 credits)** *Prereq.: SP 101.* This course is a continuing study in the basic principles and techniques of speech. Students learn the basics of interpretation and reinforce their extemporaneous speaking skills. Performances include manuscript reading, pantomime, poetry, dramatic reading, impromptu, and informative speeches. *Required for SE 309; SP 203, 240, 244, 314.* Spring.

**SP 116–416 Drama Workshop (1 credit each)** *Prereq.: Participation in the cast of a nonmusical Fine Arts production; each level requires the preceding one.* Students develop individual roles while learning to interact in the theatrical environment. Coursework culminates in a public performance. *Required for SP 216, each level required for the next one.*

**SP 151 Philosophy of Christian Performance (3 credits)** *Prereq.: Performance studies major or minor, or speech concentration or second teaching field.* Students develop a Christian philosophy concerning performance and theatre ethics based on biblical principles and research. Spring.

**SP 161–462 Proclaim Ministry—Drama (1 credit each)** *Prereq.: Audition.* The Proclaim Drama Team prepares sacred, patriotic, and humorous dramatic selections for presentation in Bible-believing churches and Christian schools. Students sharpen communication skills while gaining valuable experience in church ministry activities. Requires Interterm and summer involvement. *Required for SP 162, each level required for the next one.*

**SP 201 Voice and Diction (2 credits)** *Prereq.: SP 101.* Students concentrate on proper use and care of the voice. Through various performance opportunities, students apply the process of relaxation, posture, breathing, phonation, and vocal variety as essentials of proper speech. *Required for PR 315, SE 309, SP 202.* Fall, Spring.

**SP 202 Voice and Communication (2 credits)** *Prereq.: SP 201.* Students concentrate on the importance of resonance in proper speech production and continue correcting individual vocal problems. Students are introduced to the International Phonetic Alphabet and give several performances that incorporate all aspects of proper speech. Spring.

**SP 203 Oral Interpretation of Poetry (2 credits)** *Prereq.: SP 102; performance studies major, speech concentration, second teaching field, minor, emphasis, or broad field.* This course stresses the communication of thought and feeling from the printed page to the listener. Emphasis is placed on the interpretation of poetic forms. Students apply analysis principles and in-depth interpretation techniques in their performances of lyric, narrative and dramatic poetry. *Required for SP 204, 331, 341.* Fall.

**SP 204 Oral Interpretation of Dramatic and Narrative Literature (2 credits)** *Prereq.: SP 203.* This course stresses the basic principles and techniques of developing characterization and narration in dramatic literature. Students analyze and perform interpretative readings of novel cuttings, short stories, and drama cuttings. *Required for SE 309; SP 402, 435.* Spring.

**SP 207 Storytelling (2 credits)** *Prereq.: SP 101.* The principles of effective storytelling are introduced and practiced. Students are evaluated as they tell stories that relate to various age groups and speech situations. Fall, Spring.

**SP 240 Stagecraft (3 credits)** *Prereq.: SP 102.* The student learns basic principles and techniques of scenic design, costuming, and makeup necessary for productions in ministry settings. *Required for SP 307.* Fall.

**SP 244 Stage Movement (2 credits)** *Prereq.: SP 102.* This course has been designed to enhance the communication/performance process by focusing on physical communication. Students learn and use the techniques of basic stage movement, blocking, and positioning in a variety of performance situations. *Required for SP 304.* Spring.

**SP 250 Public Speaking (3 credits)** *Prereq.: SP 101.* This course emphasizes the principles of speech organization, methods of delivery, ethical use of argumentation, and effective platform performance. Student performances include the informative, persuasive, and special occasions speech. Fall, Spring.

**SP 304 Fundamentals of Acting (3 credits)** *Prereq.: SP 244.* This foundational course studies the basic theory and techniques of realistic performance and acting styles. While performing a variety of acting scenes, students learn and apply script and character analysis. Rehearsal techniques and improvisational exercises are also studied and performed. Fall.

**SP 307 Introduction to Dramatic Production (4 credits)** *Prereq.: Sophomore speech platform and SP 240.* Aspects of mounting a stage production are studied and applied to a specific script. Subjects studied include casting, directing, staging, lighting, costuming, makeup, and sound. *Required for SP 308.* Fall, Spring.

**SP 308 Fundamentals of Dramatic Production (4 credits)** *Prereq.: SP 307.* Students produce a college play. The course supplements the concepts learned in SP 307. Fall, Spring.

**SP 312 Debate (3 credits)** *Prereq.: SP 101.* This course provides a thorough overview of research, construction of arguments, principles of logic, rules of formal debate, and a study of the analytical skills necessary for a successful debate. Students participate in classroom debates and make a formal public presentation. Spring.

**SP 314 Assemblies and Productions Practicum (3 credits)** *Prereq.: SP 102.* Students learn how to create winning school programs by developing two full-length holiday programs and one banquet program. Students also assist with plays and programs. Fall, Spring.

**SP 331–432 Private Speech Lessons (1 credit each)** *Prereq. for SP 331: Credit for SP 203; prereq. for SP 332: SP 331; prereq. for SP 431: SP 332; prereq. for SP 432: SP 431.* The student receives personalized instruction in interpretive speech. *Required for SP 332, 999 (each level required for the next one).* Fall, Spring.

**SP 341–442 Performance Studio (1 credit each)** *Prereq. for SP 341: Credit for SP 203; prereq. for SP 342: SP 341; prereq. for SP 441: SP 342; prereq. for SP 442: SP 441.* The student receives personalized instruction in interpretive speech. *Required for SP 342, 999 (each level required for the next one).* Fall, Spring.

**SP 400 Scriptwriting (3 credits)** *Prereq.: EN 126 and junior or senior performance studies major.* This course teaches the process involved in writing a script for performance and focuses on creating a stage-worthy play. Students will learn the basic guidelines for writing performance pieces and drama, including script format and layout, as well as production and publication. Students write a monologue, a biblical drama, a one-act play, and an adaptation of a published work. Spring.

**SP 402 Advanced Interpretation (3 credits)** *Prereq.: SP 204.* This course builds on concepts learned in SP 203 and SP 204. Several performances are directed toward sacred literature. Group interpretation and script adaptation are studied and practiced. *Required for EN 418.* Fall.

**SP 410 Oral Communication in the Professions (2 credits)** *Prereq.: SP 101 and senior.* Students learn business and professional oral communication skills necessary for success in interviews, group discussion, problem solving, and persuasive presentations. Fall, Spring.

**SP 435 Solo Performance Recital (1 credit)** *Prereq.: SP 204 and senior performance studies major.* The senior speech recital is the culmination of the student's academic work and interpretive speech training. Performance is given during the last two semesters of the student's speech coursework. The student develops a solo performance of 40 minutes in length composed of a single literary work. *Required for SP 999.* Fall, Spring.

**SP 436 Private Speech/Recital (Education) (1 credit)** *Prereq.: SP 332.* The recital represents the culmination of the student's interpretation and production training. The student performs a solo performance 30 minutes in length. *Required for SP 999.* Fall, Spring.

**SP 447 Dramatic Literature in Performance (3 credits)** *Prereq.: EN 210 and junior or senior.* Students evaluate classical works of dramatic literature tracing their significance in the historical development of the physical theatre, conventions in staging, and production. The periods include classical Greek/Roman, Medieval, Italian Renaissance, Elizabethan, English Restoration, 18th century, early 19th century, and a brief examination of American. Fall odd.



# PERSONNEL

## Board of Directors

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**Dr. Phyllis Rand**

**Dr. Stephanía Rasmussen,**  
*Chairman*

**Dr. Jeff Redlin**

**Dr. Troy Shoemaker,** *President*

**Mrs. Denise Shoemaker,** *Secretary*

## Executive Administration

**Troy Shoemaker** ..... President  
 B.S., M.S., Pensacola Christian College  
 Ed.S., University of West Florida  
 Ed.D., Pensacola Christian College

**Jon Lands, D.D.** ..... Executive Vice President  
 B.A., Pensacola Christian College

**Raylene Cochran** ..... Academic Vice President  
 B.S., Pensacola Christian College  
 M.S., University of Southern Mississippi  
 Ed.S., Ph.D., Nova Southeastern University

**Tim McLaughlin** ..... Vice President for Student Affairs  
 B.A., Pensacola Christian College  
 M.A., Pensacola Theological Seminary  
 M.A.R., Liberty Baptist Theological Seminary  
*Doctoral study:* Pensacola Theological Seminary

**Jim Thompson** ..... Chief Financial Officer  
 B.S., Pensacola Christian College  
 M.Acc., University of West Florida

**Troy Arwine** ..... Chief Information Officer  
 B.S., Pensacola Christian College  
 M.S., University of Dallas  
*Doctoral study:* National American University

**Mike Harrison** ..... Vice President for Operations, Chief Operations Officer  
 B.B.A., Dallas Baptist University

## Administration

- Rob Achuff** . . . . . Chair of Liberal Arts  
 B.A., M.S., Ed.S., Pensacola Christian College  
 Ed.D., Liberty University  
*Graduate study:* The Shakespeare Institute—University of Birmingham, UK
- Amy Bombard** . . . . . Dean of Visual and Performing Arts  
*Doctoral study:* University of Iowa  
 B.A., M.S., D.M.A., Pensacola Christian College
- Eric Bryant** . . . . . Chair of Education  
 B.S., M.S., Pensacola Christian College  
 M.S., University of West Florida  
*Doctoral study:* Liberty University
- John Cuendet** . . . . . Chair of Business  
 B.S., M.B.A., Pensacola Christian College  
 Ph.D., Northcentral University
- Michael Geary** . . . . . Chair of Engineering and Computer Science  
 B.S., Pensacola Christian College  
 M.S., University of West Florida  
 D.C.S., Colorado Technical University
- Heather Hartkopf** . . . . . Chair of Nursing  
 B.S.N., M.S.N., Pensacola Christian College
- Greg Hewitt** . . . . . Chair of Visual Arts  
 B.S., M.F.A., Pensacola Christian College
- Donna Marion** . . . . . Dean of Professional Studies  
 B.S., Pensacola Christian College  
 M.S., University of Southern Mississippi  
 Ph.D., Walden University
- Denise McCollim** . . . . . Dean of Arts and Sciences  
 B.S.N., Bob Jones University  
 M.S.N., D.N.P., University of South Alabama
- Scott Roberts** . . . . . Chair of Performing Arts  
 B.A., M.A., Pensacola Christian College  
 M.A., Northern Arizona University
- Dan Rushing** . . . . . Dean of Biblical Studies, Dean of Pensacola Theological Seminary  
 B.A., M.A., Pensacola Christian College  
 M.Div., D.Min., Pensacola Theological Seminary  
*Doctoral study:* Baptist Bible Seminary
- Shane Smith** . . . . . Chair of Natural Sciences  
 B.S., Pensacola Christian College  
 M.Ed., University of North Carolina at Greensboro  
 Ph.D., University of Southern Mississippi
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<b>Rob Achuff</b> Director of Academic Success	<b>Steve Martin</b> Director of Online Learning	<b>Adam Schroder</b> Registrar
<b>Dale Adkins</b> Director of Student Care	<b>Brad Mullenix</b> Alumni and Career Services Director	<b>Denise Shoemaker</b> Assistant to the President
<b>Reggie Bartkowski</b> Chief of Safety and Security	<b>Brad Phillips</b> Dean of Men	<b>Mark Smith</b> Director of Institutional Effectiveness
<b>Addison Calley</b> Athletic Director	<b>Lee Ann Phillips</b> Dean of Women	

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M.S., University of New Hampshire
- Lauren Zacharias** *Communication, Speech*  
B.S., M.S., Pensacola Christian College  
*Graduate study:* Regent University
- Doug Zila** *History, Political Science*  
B.S., M.S., Pensacola Christian College  
M.A., University of West Florida  
M.A., D.A., Harrison Middleton University

## Faculty, Part-Time

- Aaron Ainsworth** *Education/General, Physical Education*  
B.S., M.S., Pensacola Christian College  
M.S.S., U.S. Sports Academy
- Judy Brewster** *Educational Psychology*  
B.S., Southeastern Bible College  
M.S., Pensacola Christian College  
M.A., Liberty University

PERSONNEL

**Lorraine Bushey, RN** *Nursing*

B.S.N., Capital University  
M.S.N., University of Arizona

**Michael Davis** *Bible, Hebrew,  
Pastoral Counseling*

B.A., M.A., Pensacola Christian College  
M.Div., Faith Baptist Theological Seminary  
D.Min., Pensacola Theological Seminary  
*Graduate study:* New Orleans Baptist  
Theological Seminary

**Jean Durrand** *Science/Chemistry*

B.S., Mansfield University  
M.Ed., Auburn University

**Aaron Ebert** *Graphic Design*

B.A., Pensacola Christian College  
M.F.A., Marywood University

**Joy Edwards, RN** *Nursing*

B.S.N., Pensacola Christian College  
M.S.N., Syracuse University  
*Graduate study:* Liberty University

**Stephanie Gipson** *Speech*

B.A., M.S., Pensacola Christian College

**Tim Golden** *Art*

B.A., M.F.A., Pensacola Christian College

**Chuck Gourley** *Bible*

B.A., Pensacola Christian College  
M.A., Pensacola Theological Seminary

**Esther Hallman** *Art*

B.S., M.F.A., Pensacola Christian College

**Danielle Hansen** *Speech*

B.A., M.F.A., Pensacola Christian College  
M.F.A., Liberty University

**Robert Howell** *Computer Science*

B.S., M.S., Michigan State University  
Ph.D., Century University

**Brian Hubbard** *Physical Education*

B.S., Pensacola Christian College  
M.S., Liberty University

**Kim Huff** *Mathematics*

B.S., Pensacola Christian College  
M.A.T., University of West Florida

**Daisy Jaffé** *Music/Keyboard (Artist in  
Residence)*

Artist Diploma, Conservatorio Musical  
"Carlos Gomes," Brazil

**Jamieson Jekel** *Art*

B.S., M.F.A., Pensacola Christian College

**Kobi Jekel** *Art*

B.S., M.A., Pensacola Christian College

**Shannon Johnson** *Science/General*

B.S., M.S., Pensacola Christian College

**Lauri Lou Jones** *English*

B.S., M.S., Pensacola Christian College  
*Doctoral study:* Pensacola Christian College

**Sarah Kaiser** *Business Administration*

B.S., M.B.A., Pensacola Christian College

**Raymond Lauer** *Art*

B.S., M.A., M.F.A., Pensacola Christian College

**Ian Mackay** *History*

B.A., University of Manitoba, Canada  
M.S., Pensacola Christian College

**Ashley Mayhugh** *Music/Instrumental*

B.A., M.S., Pensacola Christian College

**Lauren McIntyre** *English*

B.A., M.S., Pensacola Christian College  
M.A., Mercy College  
*Doctoral study:* Faulkner University

**Gregory Miller** *English*

B.S., M.S., Pensacola Christian College  
*Doctoral study:* Indiana University of  
Pennsylvania

**Jennifer Miller** *English, Professional Writing*

B.A., Pensacola Christian College  
M.A., University of West Florida

**Charlene Monk** *Speech*

B.S., M.A., Bob Jones University  
Ph.D., Louisiana State University

**Paul Ohman** *Business Administration*

B.S., Bob Jones University  
M.B.A., East Tennessee State University  
D.B.A., Nova Southeastern University

**Priscila Oliveira** *Music/General,  
Music/Keyboard*

B.A., M.A., State University of Campinas, Brazil  
D.M.A., James Madison University

**Carrie Ordway** *History, Latin*

B.A., M.S., Pensacola Christian College  
*Graduate study:* The Catholic University of  
America, Kent State University  
*Doctoral study:* Faulkner University

**Hyun Mi Peterlevitz** *Spanish*

B.A., M.S., Ed.S., Ed.D., Pensacola Christian  
College  
*Graduate study:* New Mexico State University

**Debbra Pope** *Music Education*

B.A., M.S., Pensacola Christian College  
M.A., University of South Florida

**Yvonne Porter, RN** *Nursing*

B.S.N., M.S.N., Pensacola Christian College

- Elijah Principe** *Graphic Design*  
B.S., M.A., M.F.A., Pensacola Christian College
- Morgan Principe** *Graphic Design*  
B.S., M.A., Pensacola Christian College
- Sean Quinlan** *Missions*  
B.B.S., Ambassador Baptist College  
M.A., M.Div., Pensacola Theological Seminary
- Andrea Reynolds** *English*  
B.R.E., West Coast Baptist College  
M.S., Pensacola Christian College
- James Ridgley** *Science/Physics*  
B.S., M.S., Ed.S., Ed.D., Pensacola Christian College  
Ph.D., University of Southern Mississippi
- Shawn Ross** *Criminal Justice*  
B.S., Pensacola Christian College  
M.S., University of West Florida
- Molly Stephens** *Music/Strings*  
B.S., M.A., Pensacola Christian College
- Katrina Swafford** *Science/General*  
B.S., M.S., Pensacola Christian College

## Adjunct Faculty

- Steve Ainsworth** *Music Education, Music/General, Music/Instrumental*  
B.A., M.A., State College of Iowa  
Ed.D., Florida State University
- Paul Bailey** *Law*  
B.A., Pensacola Christian College  
J.D., Regent University
- John Corliss** *Computer Science*  
B.S., Pensacola Christian College  
B.S., M.S., University of West Florida
- Taya Craig** *Business Administration*  
B.S., Pensacola Christian College  
M.B.A., Alaska Pacific University
- Timothy Francis** *Science/General*  
B.S., M.S., Pensacola Christian College  
*Graduate study:* Pensacola Theological Seminary
- Ann Gibbs** *Music/Voice*  
B.M., Wesleyan College  
M.M., The University of New Mexico
- Ray Gibbs** *Music/Voice*  
B.A., San Diego State College  
M.M., Manhattan School of Music

- Barbie Tupua** *Elementary Education*  
B.S., M.S., Ed.S., Pensacola Christian College  
*Doctoral study:* Pensacola Christian College
- Alex Oliveira, CPA** *Accounting*  
B.S., Pontificia Universidade Católica de São Paulo, Brazil  
B.S., Universidade Paulista São Paulo State, Brazil  
M.S., James Madison University
- Tim Uy** *Art*  
B.S., M.A., Pensacola Christian College  
*Graduate study:* Pensacola Christian College
- Gaylen Waters** *Physical Education*  
B.S., Bob Jones University  
M.S., University of West Florida  
Ed.D., Florida State University
- Lauren Wells** *Graphic Design*  
B.S., Pensacola Christian College  
M.A., Liberty University
- Ronda Yoder, ARNP** *Nursing*  
B.S.N., Pensacola Christian College  
M.S.N., Indiana University  
Ph.D., University of Alabama at Birmingham

- Julianna Morris** *English*  
B.S., West Coast Baptist College  
M.S., Bob Jones University  
Ed.S., Pensacola Christian College
- Arnold Nelson** *Science/Astronomy*  
B.S., Wisconsin State University  
M.A.T., Michigan State University
- Alex Oliveira, CPA** *Accounting*  
B.S., Pontificia Universidade Católica de São Paulo, Brazil  
B.S., Universidade Paulista São Paulo State, Brazil  
M.S., James Madison University
- Ana Peña Alvarez** *Mechanical Engineering*  
B.S., Monterrey Institute of Technology, Mexico  
Ph.D., University of Manchester
- Rachel Sinclair** *Education/General, Elementary Education*  
B.S., M.S., Ed.S., Pensacola Christian College  
*Doctoral study:* Pensacola Christian College
- Flora Slaughter** *Physical Education/Activities*  
B.A., Occidental College  
M.S., San Diego State University
- Emilie Whitcher Ordway** *Art*  
B.S., M.A., Pensacola Christian College





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