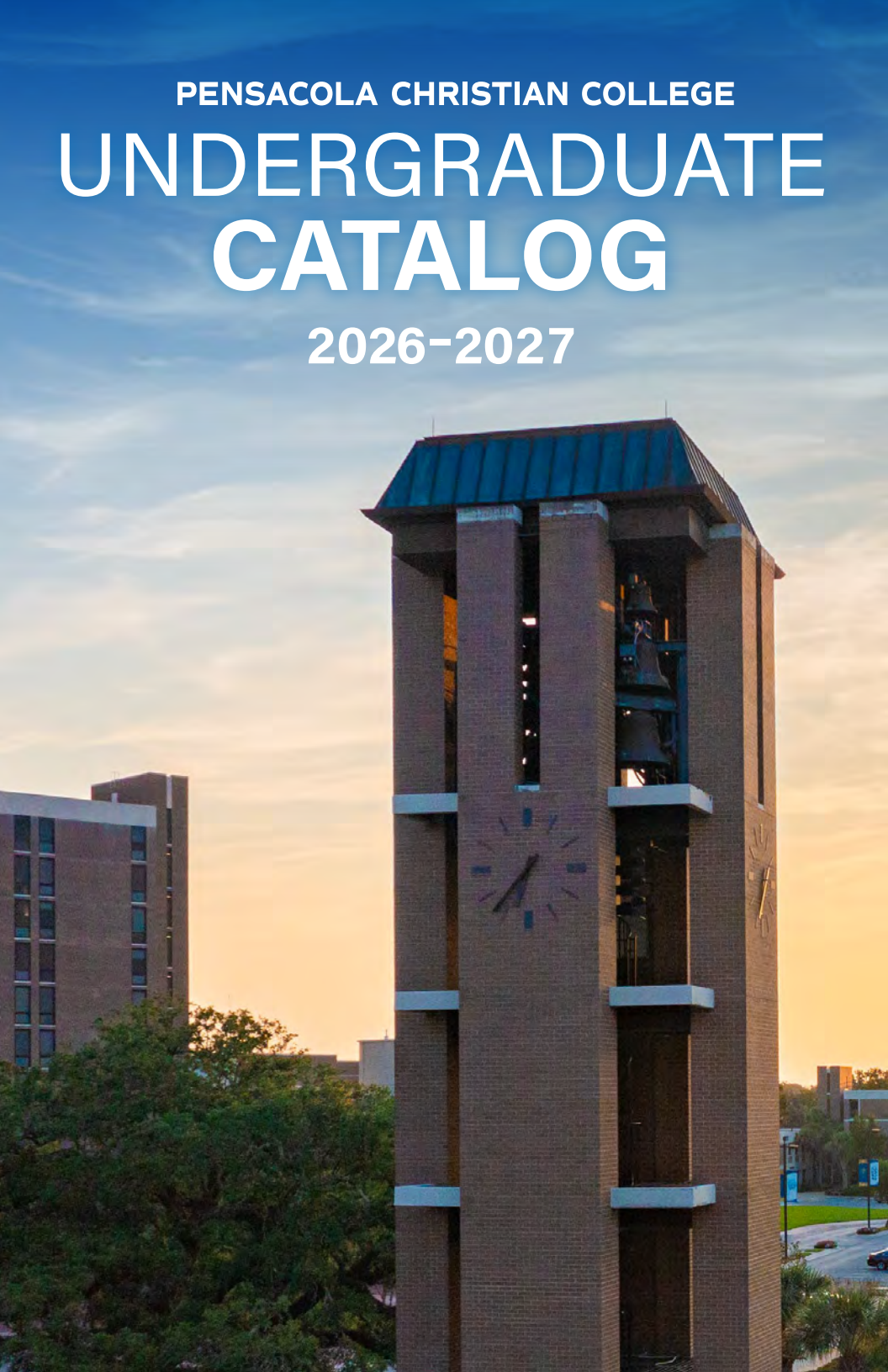
PENSACOLA CHRISTIAN COLLEGE

UNDERGRADUATE CATALOG

2026-2027



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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 over 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,

Troy A. Shoemaker, Ed.D.
President



GENERAL
INFORMATION

2026–2027 Calendar of Events

FALL

August/September

S	M	T	W	T	F	S
16	17	18	19	20	21	22
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

September/October

S	M	T	W	T	F	S
20	21	22	23	24	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	30	31

November

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					

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					

July 15–August 31
Fall Registration

August 28, Friday
Arrival Deadline for On-Campus Work Students

August 30, Sunday
Arrival Deadline for Fall Semester*

September 1, Tuesday
Fall Semester Classes Begin

November 25–27
Thanksgiving Holiday

December 2–January 22
Spring Registration

December 2–17
Interterm Registration

December 14–17
Final Exams

December 17, Thursday
Fall Semester Ends

December 18–January 18
Interterm Online Classes

January 24, Sunday
Arrival Deadline for Spring Semester*

January 25, Monday
Spring Semester Classes Begin

February 24–26
Bible Conference

March 26–29
Easter Holiday

April 22–May 13
Summer Registration

May 10–13
Final Exams

May 14, Friday
Spring Semester Ends
Liberal Arts, Professional Studies, and
Visual & Performing Arts Commencement, 9:30 a.m.
Arts & Sciences and Biblical Studies
Commencement, 2 p.m.

May 14–August 13
Summer Online Classes

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

For additional dates, visit
pcci.edu/Calendar

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. 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*** shares Christ-centered music and programming with the PCC campus, community, nation, and listeners worldwide. It can be heard on WPCS 89.5 FM, online at Rejoice.org, through the smartphone app, on most smart TV platforms, and across 35+ stations nationwide. Online listeners can also explore the genre-based streaming channels, including *Timeless Praise, Still Waters, Old Country Church, Rejoice Pulpit, Seasons, Sonshine Kids,* and *Mountain Air. Rejoice Radio* is commercial-free and supported entirely by its listeners.
- ***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, while thousands of 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 1,500 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 distinctively Christian-traditional higher 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 Pet. 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, His burial, His bodily resurrection 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, 16:7–15; Eph. 1:13–14)*. We are opposed to the charismatic movement and its sign manifestations, such as speaking in tongues, believing that the sign gifts passed with the completion of the New Testament *(Mark 16:17–20, 1 Cor. 13:8–13, Heb. 2:3–4)*.
- 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 *(Rom. 3:10, 23)*.
- We believe that God created people in His image and that they were created as distinctly and exclusively either male or female from the moment of conception. Furthermore, each person's gender identity is inseparable from the genetic, biological sex with which they were born. We also believe that any attempt to alter or reject one's biological sex as created by God is sinful and contrary to God's design *(Matt. 5:27–28, 15:18–20; 1 Cor. 6:9–11, 18; 1 Cor. 7:1–5; Heb. 13:4)*. Marriage, then, serves as a sacred, exclusive covenant between one man and one woman *(Gen. 2:18–24)* and becomes a picture of Christ's relationship with the church *(Eph. 5:22–33)*. Further, we affirm that God has ordained sexual activity to be reserved for a man and a woman who are legally married to one another *(Matt. 19:3–12)*. Scripture forbids all other forms of sexual immorality, including but not limited to adultery, fornication, homosexuality, bestiality, incest, and pornography.
- 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 1:7)*. We believe that salvation is a free gift of God for all people 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. All people may come to Christ; God does not arbitrarily pre-elect persons to heaven or hell but according to his foreknowledge *(Rom. 10:13; Rev. 22:17; 1 Pet. 1:2; 2 Pet. 3:9; Acts 17:30, 20:21)*.
- 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 Thess. 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 Thess. 4:13–17, 5:1–9)*. The Rapture of the saints will be followed by a seven-year Tribulation *(Dan. 9:27, Matt. 24:4–28, Rev. 6–19)*, 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)*.
- We believe that every person must be afforded compassion, love, kindness, respect, and dignity. Words or behaviors inconsistent with these characteristics are to be repudiated and are not in accord with Scripture nor the doctrines of the Church *(Matt. 5:43–44; John 3:16, 13:35; Rom. 5:8; 1 Cor. 13:1–13; Eph. 4:29–5:2; 1 Pet. 2:17)*.

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.

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, throughly 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 PCC 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.

Institutional Objectives and Learning Outcomes

In keeping with our mission and purpose, PCC's objective is that students will be able to

Think: *forming ideas through the biblical worldview and sound reasoning*

- Pursue spiritual and professional development grounded in biblical wisdom.
- Apply knowledge and skill when working in their chosen fields.
- Make personal and professional decisions based on the biblical worldview and scriptural values.

Communicate: *connecting with others by exchanging information and concepts*

- Communicate clearly and effectively in speaking and writing.
- Share the gospel of Jesus Christ with others.
- Defend biblical truth as the basis for faith and practice.

Engage: *interacting and relating with personal and social awareness*

- Serve the needs of others in Christlike love.
- Conduct themselves appropriately in a variety of social settings.

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] 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).

The baccalaureate degree in engineering at Pensacola Christian College is accredited by the Engineering Accreditation Commission of ABET under the commission's General Criteria and Program Criteria for Engineering Programs.

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

PCC 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 from the local community—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: Numerous opportunities are provided for students to serve Christ in the community. Weekend activities include children's and teen ministries, special needs ministries, nursing home services, and door-to-door evangelism. 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.

Campus Facilities: PCC's campus blends modern facilities with traditional values. Since its inception in 1974, the campus has developed steadily and now contains more than 20 major buildings on approximately 150 acres. The facilities include approximately 2,800,000 square feet of public buildings, including residence halls, in addition to over 410,000 square feet of ancillary facilities. Details about campus facilities and a campus map are available at pcci.edu/media/map/.



Miracle League Christian Service

Residence Halls: Residence halls provide a comfortable, supportive environment that contributes to students' personal, spiritual, and social growth. Each room has a private or adjoining bath. All single, undergraduate students under 23 years of age who are not living with their parents, grandparents, or aunt and uncle 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 pay a registration fee to have an automobile on campus. Vehicles must have current registration and insurance coverage.

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. 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: Physical education courses and athletic facilities are provided 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, bowling, swimming, racquetball, wallyball, broom ice hockey, pickleball, spikeball, sailing, kayaking, disc golf, and men's flag football. The PCC Eagles compete in intercollegiate basketball and soccer, and the Lady Eagles compete in intercollegiate volleyball and basketball as members in the NCCAA.

PCC Care

The PCC Care Office provides personalized support in the areas of biblical guidance, academic success, financial advising, and career services.

Biblical Guidance: A team of biblical guidance advisors are available to assist those students who need spiritual and emotional support. The meetings are confidential and rooted in the Bible and prayer.

Academic Success: The Academic Success Office is staffed by academic coaches who can provide tutoring in academic subjects, feedback on writing assignments, and coaching on topics such as time management, general study skills, and test preparation.

Financial Advising: Financial advice is available for students who need help navigating their financial aid options, which include scholarships, on-campus work programs, student loans, and a needs-based financial aid fund.

Career Services: Career Services helps students prepare for the job search, connect with internship and mentorship opportunities, and find employment after graduation. Qualified advisors provide one-on-one career guidance, résumé review, and interview preparation. In addition, the office provides online resources and hosts several on-campus recruitment events.

Health Services

The on-campus Graf Clinic, which is independently operated and staffed by the Baptist Health Care of Pensacola, provides primary outpatient medical care. Fees incurred for on-campus labs, diagnostic testing, and pharmaceuticals are applied to the student's account. 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.

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, Christians are to live their lives in active pursuit of a lifestyle that keeps them pure and clean before God with careful attention to avoiding anything that detracts from their 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 and to protect against wrongdoing.

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 may include a student representative, faculty, and/or academic administrators. 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 Student Life Office within two weeks of the disciplinary decision. The Appeal Committee is composed of student, faculty, and Student Life representatives. 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 PCC Care Office. The student will return the form explaining the problem to the PCC 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 PCC 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].

Since PCC has authorization to offer online learning courses in other states, students taking online courses and practicums who have exhausted all internal grievance procedures and remain unsatisfied may obtain contact information for the state in which they reside using the Student Complaint Process by State resource.

Online learning students who have completed PCC's internal grievance process and the applicable state grievance process may appeal non-instructional complaints to the FL-SARA PRDEC Council. For additional information on this complaint process, please visit the FL-SARA Complaint Process page.



FINANCIAL **INFORMATION**

Basic Cost

	Cost per Semester		Cost per Payment	
	Residence Hall	Full-Time Commuter	Residence Hall	Full-Time Commuter
Tuition	$4,959.00	$4,959.00	$1,239.75	$1,239.75
Room and Board	2,575.00	—	643.75	—
International Student Processing Fee[1]	100.00[1]	100.00[1]	—	—
Security Deposit[2]	50.00[2]	50.00[2]	—	—
Academic Program Fee[3]				

[1]Applicable for all international students; complete details under International Students (p. 21).
[2]One time only; complete details under Security Deposit (p. 19).
[3]See Academic Program Fee (p. 20).

Internships and Practicums

Tuition (per credit hour) 413.25
Access and Technology Fee (per course) 30.00

Online-Learning Courses

Tuition (per credit hour) 413.25
Online Student Services Fee (per semester) 50.00

Online Dual Enrollment Courses

Application Fee 25.00
Tuition (per credit hour) 120.00
Access and Technology Fee (per course) 30.00

Pre-term, Interterm, Post-term

Tuition (per credit hour) 413.25
Room and Board 555.00

Conditional Fees

Vehicle Registration (per semester)

Car—residence hall 100.00
Car—commuter student 85.00
Motorcycle—residence hall 50.00
Motorcycle—commuter 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 15.00
Early Arrival (per day) 40.00
Late Arrival Fee 50.00
Late Departure (per day) 40.00
Late Registration Fee
- Fall/Spring 50.00
- Internships/Practicums 25.00
- Online Learning 25.00
- Online Dual Enrollment 25.00

Late Exam Fee (per exam) 12.50
Exam Time Change Fee (per exam) 50.00
Testing Center Fee (per test) 12.50
Returned Check Fee 25.00
PCC Card Replacement Fee 10.00
Student Record Copies
- Paper (per copy) 5.00
- Electronic (per request) 3.00

Transcript Fee (per request) 10.00

Online Learning

Online-Learning Testing Fee 50.00
Proctor Verification Fee 10.00

*Graduation**

Petition for Graduation Fee 100.00
Late Petition for Graduation Fee 25.00
Diploma Reorder Fee 20.00

*December graduates pay graduation fees with November 23 payment; May graduates pay graduation fees with April 19 payment. All costs are subject to change.

Application Fee and Enrollment Deposit

A $25 Application Fee must accompany each admission application and is nonrefundable and nontransferable. Applicants must also pay an Enrollment 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 Enrollment Deposit will be credited to

the student's account on the Sept. 28, 2026/Feb. 22, 2027 statement. The date the Enrollment Deposit is paid determines the amount paid (see table below). International students must pay the Enrollment Deposit at the time of application.

Enrollment Deposit	Fall 2026	Spring 2027
$125	Oct. 1–Feb. 28	Mar. 1–July 31
$150	Mar. 1–Apr. 30	Aug. 1–Sept. 30
$175	May 1–Semester Start	Oct. 1–Semester Start

Applicants who enroll in the Fourth Year Tuition-Free program are eligible for a waived or reduced Enrollment Deposit based on enrollment date (see p. 27).

Tuition

The $4,959 tuition per semester allows the student to register for up to 17 semester hours without an over load charge. Additional hours above 17 are charged at the rate of $330.60 per hour for credit or $165.30 per hour to audit. Part-time students (taking 11 hours or fewer per semester) are charged at the rate of $413.25 per hour for credit or $206.63 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 $2,575 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 room and board plan is a flat rate per semester that cannot be reduced for lack of use by active students.

Health Services Fee

Nonresident students needing to see the on-site medical doctor may do so for a fee of $25 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, Early Admission, 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 $26.25 per semester (3 payments of $8.75).

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.....$180–$360 Group Instruction.....$90–$180
(brass, hymnplaying, percussion, piano, strings, voice, woodwind)

Access and Technology Fee—*Dual Enrollment, Internships, Practicums*

This $30 fee per course covers technology services for students enrolled in internships, practicums, and online dual enrollment including corresponding hardware, infrastructure, and support and course delivery. In addition, it covers services such as general course administration costs and the cost of online proctoring.

Online Student Services Fee—*Online Learning*

This $50 fee per semester ($25 for audited courses) covers technology services for online-learning students including corresponding hardware, infrastructure, and support and course delivery. In addition, it covers services such as general course administration costs and the cost of online proctoring.

Payment Plan

The basic cost may be paid by the semester. You can choose to pay for the full semester's basic charges up front and receive a 2% discount or take advantage of the payment plan.

A payment plan of four payments each term is available to all students, except for Interterm which requires full payment of tuition and fees at registration. Payments may be made by cash, check, money order, Visa, Master Card, Discover, American Express, or PCC Card. Payments may be charged automatically to a credit card for students who apply online for this service. Please note: We are unable to accept postdated checks or to hold checks.

Installment Payment Schedule

Fall

1st payment	August 1, 2026
2nd payment	September 28, 2026
3rd payment	October 26, 2026
4th payment	November 23, 2026

Spring

1st payment	January 11, 2027
2nd payment	February 22, 2027
3rd payment	March 22, 2027
4th payment	April 19, 2027

Summer—*Online Learning*

1st payment	At registration
2nd payment	June 1, 2027
3rd payment	July 1, 2027
4th payment	August 1, 2027

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 $20 late fee. Students with accounts more than 10 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 Commuter Students

Commuter 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 $4,959. Annual tuition may be paid in ten payments of $991.80 each. Academy boarding students are on campus seven additional weeks during the academic year; therefore, they pay room and board of $3,218.75 per semester. Annual room and board may be paid in ten payments of $643.75 each.

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 per semester. 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).

Financial assistance is not provided for most international students. Canadian citizens 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. 31) 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)
- Fall: Sept. 1–7, 2026
- Spring: Jan. 25–31, 2027

During the second week (50% tuition)
- Fall: Sept. 8–14, 2026
- Spring: Feb. 1–7, 2027

During the third week (75% tuition)
- Fall: Sept. 15–21, 2026
- Spring: Feb. 8–14, 2027

After three weeks (100% tuition)
- Fall: after Sept. 21, 2026
- Spring: after Feb. 14, 2027

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 end of registration. After registration concludes, students are obligated to pay all tuition and fees whether or not they complete course requirements.

Financial Aid

PCC 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.

PCC 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, 529 Plans, or other government-sponsored student aid programs. In addition to maintaining a very low cost, PCC also provides over $2 million in institutional scholarships to over 1,300 students a year, and new incoming students can also apply for the Fourth Year Tuition-Free program (a savings of over $9,000). Financial assistance in the form of scholarships is not provided to most international students. Canadian citizens may qualify for some financial assistance.

Work Assistance Program

Grounds, Maintenance, Dining Services, Abeka's Print Shop and Distribution Center, and other affiliated areas provide student employment through our Work Assistance Program and our Special Hourly Work Contract program. Each year approximately 2,000 students are enabled to stay in college and continue their education by working.

Eligible students may apply for work assistance. Pay starts at $15 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. be a full-time student

All scholarship applications for the fall semester must be submitted by May 1; applications for the spring semester by October 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 in order to continue to receive the benefits of the scholarship. 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. 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.

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

Christian Service Scholarship (up to $9,000)
This scholarship offers qualified students a tuition benefit up to $9,000 (approximately $2,250 annually) up to eight semesters of attendance after approval. A student is qualified to apply if at least one parent is serving full time in a Bible-believing ministry.

Pastoral Ministry Scholarship (up to $12,000)
This scholarship offers qualified students a tuition benefit up to $12,000 (approximately $3,000 annually) up to eight semesters of attendance after approval. The student must have a high school GPA of 2.00 or higher. This scholarship is available to a qualified male applicant who has declared a Bible major (with a concentration in pastoral ministries), aspires to pursue ordination for ministry, and comes from a church that is Bible-believing. Students must 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.

Vocational Ministry Scholarship (up to $12,000)
This scholarship offers qualified students a tuition benefit up to $12,000 (approximately $3,000 annually) up to eight semesters of attendance after approval. The student must have a high school GPA of 2.00 or higher. This scholarship is available to a qualified applicant who has declared a Bible major in Biblical Counseling, Biblical Studies, General Studies, Media Ministries, Missions, Music Ministries, or Youth Ministries and comes from a church that is Bible-believing. Students must 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.

Teacher Education Scholarship (up to $12,000)
This scholarship offers qualified students a tuition benefit up to $12,000 (approximately $3,000 annually) up to eight semesters of attendance after approval. The student must have a high school GPA of 2.00 or higher. A student is qualified to apply if declaring a major in education. Students must 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.

Armed Services Scholarship (up to $6,000)
This scholarship offers qualified students a tuition benefit up to $6,000 (approximately $1,500 annually) up to eight semesters of attendance after approval. 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); check with the Admissions Office for possible funding availability from a private scholarship

Academic Honors Scholarship (up to $9,000)

This scholarship offers qualified students a tuition benefit up to $9,000 (approximately $2,250 annually) up to eight semesters of attendance after approval. 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 83 on the CLT (80 if taken prior to April 26, 2023).
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. Students must maintain a 3.20 grade point average each year at PCC (not cumulative) in order to continue to receive the benefits of the scholarship.

Alumni Scholarship (up to $6,000)

This scholarship offers qualified students a tuition benefit up to $6,000 (approximately $1,500 annually) up to eight semesters of attendance after approval. A student is qualified to apply if at least one parent graduated from PCC in a four-year undergraduate program.

Abeka Academy Tuition Scholarship (Amount varies)

This scholarship offers qualified students a varying amount of savings applied up to eight semesters of attendance 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.

PCC Matching Scholarship

Pensacola Christian College will match church and Christian school scholarship gifts for current PCC students with a minimum of $250 up to $1,000 per academic year per student. See the guidelines for more information.

To participate in the Matching Scholarship, submit an application with payment to Pensacola Christian College, no later than September 15 for fall semester or February 15 for spring semester. Scholarship checks should be made out to Pensacola Christian College.

Patriot Scholarship

Pensacola Christian College is committed to honoring the service of veterans and their families who would otherwise be eligible for VA benefits but are unable to use them at PCC. The Patriot Scholarship is a privately funded award designed to provide eligible students—specifically those who would qualify for the GI Bill or Chapter 35 (Survivors' and Dependents' Educational Assistance)—with comparable benefits, subject to available funding. To request more information, email PatriotScholarship@pcci.edu.

Commencement Scholarships

A number of privately funded scholarships are available for current PCC students. For details concerning these scholarships, visit pcci.edu/scholarships or contact the scholarship office at 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 and be accepted to PCC as a new student for the first time for fall 2026 or spring 2027.
- Pay the nonrefundable/nontransferable $500 Enlistment Fee and sign the agreement form by April 30 for fall or September 30 for spring (the Enlistment Fee will be $550 for applicants enrolling after April 30 for fall or

*Undergraduate 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.

after September 30 for spring). You will receive notification on your applicant portal once your Enlistment Fee has been paid and that enlistment into the program has been finalized.

- 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.
- 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.

Applicants who enroll in the Fourth Year Tuition-Free program are also eligible to receive a discount on the Enrollment Deposit (see pp. 18–19) as shown below.

Enrollment Deposit Discount	Fall 2026	Spring 2027
Deposit Waived	Oct. 1–Feb. 28	Mar. 1–July 31
$50 Discount	Mar. 1–Apr. 30	Aug. 1–Sept. 30

Sallie Mae® Loans

Sallie Mae® offers private loans to students. With Sallie Mae® Student Loans, students can receive funds that cover full tuition, room and board, and fees; however, items such as textbooks, travel expenses, or electronics are not covered. These loans offer fixed, deferred, and interest-repayment options, allowing students to focus on earning their college degree. For more information or to apply for Sallie Mae® loans, visit salliemae.com (using 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 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

Pensacola Christian College grants acceptance based on academic requirements and the applicant's alignment with the institution's sincerely held beliefs published in the Articles of Faith, maintaining its constitutional and statutory right to act in furtherance of its religious objective. The College does not discriminate based on race, color, or national origin in the administration of its educational policies, admission policies, and scholarships or loan programs.

Academic Entrance Requirements

PCC considers your entire academic history and bases admissions decisions on several indicators of college readiness. To complete your admissions file:

- Submit an official high school transcript or GED.
- Write a brief admissions essay online so we can get to know you.
- Take the English grammar and mathematics placement exams online.
- Submit official college entrance exam scores (ACT/CLT/SAT).

High placement exam scores waive the entrance exam requirement. Submitting entrance exam scores may aid in qualifying for specific scholarships or demonstrating proficiency for certain math courses. Submitted scores are considered in the holistic evaluation of academic preparation.

Homeschool Graduates

Applicants with nontraditional secondary education backgrounds are invited to apply. Students who graduate from a homeschool or non traditional 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 anytime during the junior year of high school or thereafter. Qualified candidates are accepted 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 $25 Application Fee.
2. Submit the following items for acceptance:
   - **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 of 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.
   - **English Grammar and Mathematics Placement Exams**
     These exams help us make sure you are in the best course appropriate for your existing skill level. The English Grammar exam requires you to classify words, phrases, and clauses according to their parts of speech and function. The Mathematics exam tests basic arithmetic skills.
   - **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. High scores on PCC placement exams may waive this requirement.
3. Secure financial aid, if applicable (pp. 23–28), and pay the Enrollment Deposit (p. 18).
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, international students are required to submit one month's payment for tuition, room and board, and fees and one-way transportation charges from the College

to the student's home before the Form I-20 will be sent. 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 a credential evaluation service. The evaluation report must be received 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. 30).

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 iBT score is 3.5 (including 3.5 per section). The applicant whose TOEFL score is below the standard may be considered for provisional acceptance by the Academic Admissions Committee. If accepted, the applicant will be required to meet weekly with an academic success coach to help develop an ability to benefit from instruction at PCC.

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. 35.)
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

Students in grades 11–12 may 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: 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 (see p. 21 for details). 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.

Dual Enrollment

High school sophomores or above 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. 18 for cost. Dual Enrollment applicants must have earned at least 6 high school credits and have a high school GPA of at least 3.00* (3.25* for students with fewer than 12 credits). In place of ACT, CLT, or SAT scores, applicants may submit scores for any college readiness assessments approved by the Florida State Board of Education.

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 of 61 (15 per section).

For more information about the program, visit 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. Early Admission applicants must:

1. Be a United States citizen or a U.S. permanent resident cardholder
2. Have earned at least 18 high school credits, including Geometry
3. Have a high school GPA of at least 3.00*
4. Be a full-time residence hall student
5. Submit all necessary applications, forms, and transcripts by July 1.

*An applicant who falls below this standard may be considered for acceptance by the Academic Admissions Committee.

Early Admission students are not permitted to work (on or off campus) during their first semester to better transition from high school to the college environment. Early Admission students with a fall semester GPA of 2.50 or higher may apply to work in the spring semester if desired.

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 requirements should be completed prior to attending PCC.

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 take CL 110 Foundations for College Success 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. 20).

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

Credits earned from an approved or accredited college or university will be considered for transfer. 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.

Grade points earned at other colleges and universities are not counted 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 only after individual evaluation and/or validation under the direction of the College's Academic Committee.

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

Credit for work or life experience is not granted, 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.

Credit by Examination

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 AP and CLEP Info on the PCC website for additional information. Credit for other exams will be considered on a case-by-case basis. A maximum of 24 credits by examination will be granted toward a bachelor's degree, and a maximum of 12 credits will be granted toward an associate's degree.

Course Scheduling

Registration

Students must be registered for a course to be eligible to earn credit for it. Registration dates are listed on the Calendar of Events (p. 4).

Students registering late must pay a $50 late fee.

Plan for Learning

A yearly program of instruction is offered in which the 15-week fall and spring on-campus semesters are divided by a 5-week Interterm. 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 (see p. 18 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. Courses may not be dropped after week 15. 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. A course may not be changed from audit to credit or from credit to audit after the course has started.

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 voluntary or involuntary, will follow the same policy as dropping a course, with the exception that withdrawing from all courses during week 1 will result in grades being recorded as W—Withdrawn.

Course Cancellation

Any course with insufficient enrollment may be canceled.

Irregular Scheduling

Courses cannot be scheduled 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. 42)	12
Academic Warning (see p. 42)	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. 19 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.

Accumulation of absences may affect grades or ability to remain enrolled in the course. A course withdrawal may affect residency status based on the number of credits taken, and the final grade may be recorded as Withdrawn Passing or Withdrawn Failing based on grades earned at the time of withdrawal. See Student Handbook for details.

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, a makerspace, audio/visual materials, computer lab, music library, student study rooms, conference rooms, wireless internet access, and spacious study areas.

The library website allows students and faculty to locate research materials easily. Present library collections include more than 500,000 physical and electronic books as well as nearly 150,000 journals, periodicals, and newspapers

and a wealth of other academic resources in the library and through online databases. Interlibrary loan service also enables patrons to request items from other libraries nationwide.

The library also exhibits historical and educational materials in an old-fashioned one-room schoolhouse 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.

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

Coursework in courses with a grade of "Incomplete" must be made up before the end of the seventh week 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 at Pensacola Christian College, have completed at least 60 hours at PCC, 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. Courses dropped after the ninth week of classes count toward this policy. A student must secure the permission of the Registrar any time he repeats a course more than one time.

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 of 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 meet weekly with an academic success coach to help develop an ability to benefit from instruction at PCC. 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 PCC 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. There is a $10 fee for each transcript 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 PCC 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, student ID number, 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

PCC's mission is to equip 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 listed on p. 50.

All students are required to take a Bible course each semester until BI 105, 205, 251, and 252 have been completed.

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. 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. 50), Biblical Studies minor (p. 50), and their degree (excludes credits from EN 099 and MA 099)
2. earn at least a 2.00 grade point average at PCC
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 PCC, including the last semester and 24 of the final 30 credits
5. complete at least 8 credit hours of Bible courses from PCC
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 under their major field of concentration. In addition, candidates for an associate degree must

1. complete at least 60 credit hours, including courses required for liberal arts requirements (p. 50) and their degree (excludes credits from EN 099 and MA 099)
2. earn at least a 2.00 grade point average at PCC

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)
4. complete at least 15 credits from PCC, including the last semester and 12 of the final 15 credits
5. complete at least 8 credit hours of Bible courses from PCC
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

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 degree from PCC may seek to earn a second degree in another major. 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. 35). 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 other student achievement goals and outcomes is available on the PCC website.

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

49 **Division of Liberal Arts**

54 **Division of Biblical Studies**

55 Bible Department

76 **Division of Professional Studies**

77 Business Department

99 Education Department

126 **Division of Arts and Sciences**

127 Engineering and Computer Science Department

143 Humanities Department

160 Natural Sciences Department

177 Nursing Department

185 **Division of Visual and Performing Arts**

186 Performing Arts Department

196 Visual Arts Department

206 **Minors**

Degrees Offered

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 211.

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. 84		p. 206
Advertising/Public Relations	**C** p. 86		p. 206
Art	**C** p. 204		p. 210
Bible	**M** p. 57	p. 56	p. 50
Bible, Christian Ministries			p. 207
Bible, General Studies	**E** p. 58		
Bible, Pastoral Ministries	**C** p. 71		
Biblical Counseling	**C** p. 59		p. 206
Biblical Languages			p. 206
Biology	**C** p. 163		p. 207
Biology, Cell and Molecular	**C** p. 166		
Biology Education	**C** p. 111		
Business	**M** p. 83	p. 78	
Business Management	**C** p. 90		p. 208
Business Technology			p. 207
Cell and Molecular Biology	**C** p. 166		
Chemistry	**C** p. 168		p. 207
Communication, Strategic			p. 210
Computer Science	**C** p. 131		p. 207
Computing	**M** p. 130	p. 128	
Criminal Justice	**M** p. 158	p. 144	p. 207
Cybersecurity	**C** p. 133		p. 207
Digital Media			p. 207
Early Childhood	**C** p. 103		
Education			p. 207
Electrical Engineering	**C** p. 139		
Elementary Education	**M** p. 101		
Engineering	**M** p. 137		
English	**M** p. 145		p. 208
English Education	**C** p. 113		

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

Areas of Study

	Bachelor's Degree		Associate Degree	Minor
Finance	**C**	p. 88		p. 208
Graphic Design	**C**	p. 202	p. 197	p. 208
History	**M**	p. 150		p. 208
History Education	**C**	p. 114		
Humanities	**M**	p. 154		
Information Technology	**C**	p. 135	p. 129	
Interdisciplinary Studies	**M**	p. 52		
Liberal Arts			p. 51	
Literary Studies	**C**	p. 146		
Management	**C**	p. 90		p. 208
Marketing	**C**	p. 91		p. 208
Mathematics	**M**	p. 161		p. 208
Mathematics Education	**C**	p. 116		
Mechanical Engineering	**C**	p. 141		
Medical Office Administration	**C**	p. 93		
Medical Office Systems			p. 79	
Media Arts			p. 199	
Media Ministries	**C**	p. 60		
Missions	**C**	p. 62		p. 208
Music	**M**	p. 187		p. 208
Music Education	**M**	p. 105		
Music Ministries	**C**	p. 67		p. 209
Nursing	**M**	p. 178		
Office Administration	**C**	p. 95		p. 209
Office Systems			p. 81	
Pastoral Ministries	**C**	p. 71		
Performance Studies	**M**	p. 193		p. 209
Physical Education	**C**	p. 117		p. 209
Political Science	**C**	p. 152		p. 209
Pre-Law	**E**	p. 156		
Pre-Medicine	**E**	p. 170		
Pre-Pharmacy	**E**	p. 172		
Pre-Physical Therapy	**E**	p. 174		
Professional Writing	**C**	p. 148		p. 210
Sciences, Natural	**M**	p. 163		
Science Education	**C**	p. 119		
Secondary Education	**M**	p. 110		
Spanish				p. 210
Special Education	**M**	p. 124		p. 210
Speech Education	**C**	p. 120		
Sport Management	**C**	p. 97		
Studio Art	**C**	p. 204		p. 210
Visual Arts	**M**	p. 201	p. 197	
Web Development				p. 210
Writing	**C**	p. 148		p. 210
Youth Ministries	**C**	p. 73		

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 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 Degrees

Associate of Arts

51 **Liberal Arts Major**

Bachelor of Science

52 **Interdisciplinary Studies Major**



Dr. Lauren McIntyre
Chair of Liberal Arts



Baccalaureate Degree

Liberal Arts Requirements

BL/ML		Biblical/Modern Languages Electives . . . . . 6–12[1]
CL	110/111	Foundations for College Success 1
CS/MA/SC		Computer Science/Mathematics/ Science Elective 3–4
EN	121/123	English Grammar and Composition I[2] 3
EN	126	English Grammar and Composition II 3
EN		General Literature Elective 3
HI	101	History of Civilization 3
HI	102	History of Civilization 3
MA		Mathematics Elective[2] 3
SC		Science Elective 3
SP	101	Fundamentals of Speech 3
		Social Science Elective (see below) . . . 3

Built-in Biblical Studies Minor

BI	105	Old Testament Introduction 2
BI	205	New Testament Introduction 2
BI	251	Bible Doctrines I 2
BI	252	Bible Doctrines II 2
BI	370	Worldview and Apologetics 2
BI		Bible Elective 2
BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective 2
CR	370	Origins 2

Associate Degree

Liberal Arts Requirements

BI	105	Old Testament Introduction 2
BI	205	New Testament Introduction 2
BI	251	Bible Doctrines I 2
BI	252	Bible Doctrines II 2
CL	110/111	Foundations for College Success 1
CS	101	Introduction to Computer Applications 0–1
EN	121/123	English Grammar and Composition I[2] 3
EN	126	English Grammar and Composition II 3
MA		Mathematics Elective[2] 3
SP	101	Fundamentals of Speech 3
		Social Science Elective (see below) . . . 3

Social Science Electives

BA	200	Introduction to Economics
BA	303	Macroeconomics
BA	304	Microeconomics
CJ	213	Juvenile Delinquency
ED	322	Educational Psychology
ED	413	Child Growth and Development
ED	415	Adolescent Growth and Development
HI	211	World Geography
HI	300	History and Principles of Free-Market Economics
MI	403	Cultural Anthropology
PL	207	Introduction to Political Science
PL	280	American Government
PL	303	State and Local Government
PR	306	Interpersonal Relationships
PR	415	Marriage and Family Education
PS	211	Introduction to Psychology
PS	217	Dynamics of Human Behavior
PS	323	Developmental Psychology

[1] Only required for Bachelor of Arts degrees. 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.

[2] Entry-level course determined by placement exam.

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 the 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.
- apply fundamental principles of mathematics and science to analyze and solve problems.

Academic Program Fee

$10.50 per semester or 3 payments of $3.50 (p. 20)

Liberal Arts Major

Recommended Course Sequence

FIRST YEAR

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	EN	126	English Grammar/Composition II	3
EN	121/123	English Grammar/ Composition I	3	HI	102	History of Civilization	3
HI	101	History of Civilization	3	SC		Science Elective	3
MA		Mathematics Elective	3			Electives	4
SP	101	Fundamentals of Speech	3				
		Total Hours	**15**			**Total Hours**	**15**

SECOND YEAR

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3			Social Science Elective*	3
EN	210	Introduction to Literature	3			Electives	10
		Electives	7				
		Total Hours	**15**			**Total Hours**	**15**

*Elective courses (p. 50)

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 the biblical worldview.
- 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 academic departments based on personal goals and interests. Students should not choose the interdisciplinary studies major when pursuing 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. 46); 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; 12 credits in 300- or 400-level courses must be within the chosen cognates.

Academic Program Fee

$26.25 per semester or 3 payments of $8.75 (p. 20)

Interdisciplinary Studies Major

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
		Cognate or Elective	2
		Total Hours	**14**

Spring

BI	205	New Testament Introduction	2
EN	126	English Grammar/Composition II	3
HI	102	History of Civilization	3
SP	101	Fundamentals of Speech	3
		Cognate or Elective	3
		Total Hours	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2
EN	210	Introduction to Literature	3
		Cognate or Electives	11
		Total Hours	**16**

BI	252	Bible Doctrines II	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
		Cognate or Electives	11
		Total Hours	**16**

JUNIOR

CR	370	Origins	2
SC		Science Elective	3
		Cognate or Electives	10
		Total Hours	**15**

BI	370	Worldview and Apologetics	2
		Social Science Elective*	3
		Cognate or Electives	10
		Total Hours	**15**

SENIOR

BI		Bible Elective	2
ID	430	Interdisciplinary Studies Capstone Project	3
		Cognate or Electives	10
		Total Hours	**15**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
		Cognate or Electives	13
		Total Hours	**15**

*Elective courses (p. 50)

Highlighted text indicates a change from the original version of the Catalog.

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.

55–75 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

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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
Ministry

Master of Church Music

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.

BIBLICAL STUDIES MAJOR
ASSOCIATE OF ARTS DEGREE

The purpose of the Associate of Arts degree in Biblical Studies is to equip students with the basic knowledge, attitudes, and skills necessary for effective lay ministry or continued study of the Bible.

Learning Outcomes

Graduates of the A.A. in Bibical Studies will be able to

- demonstrate thorough knowledge of the content and themes of the Word of God.
- defend sound doctrine.
- effectively present biblical truth from expository study of the Scriptures.

Academic Program Fee

$10.50 per semester or 3 payments of $3.50 (p. 20)

Biblical Studies Major

Recommended Course Sequence

FIRST YEAR

Fall				Spring			
BI	105	Old Testament Introduction	2	BC	262	Introduction to Biblical Counseling	1
CL	110/111	Foundations for College Success	1	BI	205	New Testament Introduction	2
EN	121/123	English Grammar/ Composition I	3	BI		Bible Electives	6
MA		Mathematics Elective	3	EN	126	English Grammar/Composition II	3
SP	101	Fundamentals of Speech	3	PR	240	Evangelism and Discipleship	2
		Elective	3				
		Total Hours	**15**			**Total Hours**	**14**

SECOND YEAR

Fall			
BI	250	Bible Study and Instruction	2
BI	251	Bible Doctrines I	2
BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
BI/BL		Bible/Biblical Language Electives	4
MI		Missions Elective	2
		Elective	3
		Total Hours	**15**

Spring			
BI	252	Bible Doctrines II	2
BI	370	Worldview and Apologetics	2
BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
BI/BL		Bible/Biblical Language Electives	4
PR	306	Interpersonal Relationships	3
		Elective	3
		Total Hours	**16**

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.
- effectively present biblical truth from expository study of the Scriptures.

(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.

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

$10.50 per semester or 3 payments of $3.50 (p. 20)

Bible Major

General Studies Emphasis

Recommended Course Sequence

FRESHMAN

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	BI	250	Bible Study and Instruction	2
EN	121/123	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	PR	224	Media in Ministry	3
SP	101	Fundamentals of Speech	3			Minor or Elective	1
		Total Hours	**15**			**Total Hours**	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
BI/BB/BL		Bible Elective	2	BI/BB/BL		Bible Elective	2
BL	101	Elementary Greek I	4	BL	102	Elementary Greek II	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	2
		Total Hours	**16**			**Total Hours**	**15**

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	BI/BB/BL		Bible Elective	2
		Minor or Electives	4	ED	413	Child Growth and Development **or**	
				ED	415	Adolescent Growth and Development	3
						Minor or Elective	2
		Total Hours	**15**			**Total Hours**	**16**

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

SENIOR

Fall

BB	411	Church History I	2
BI	319	I and II Timothy and Titus	2
BI	416	Hebrews and James	2
PR	306	Interpersonal Relationships	3
PR	312	Youth Ministry	2
PR	415	Marriage and Family Education	3
		Total Hours	**14**

Spring

BB	412	Church History II	2
BC	262	Introduction to Biblical Counseling	1
BI	317	Galatians and the Prison Epistles	2
BI	414	Revelation	2
BI/BB/BL		Bible Elective	2
ED	430	Instructional Methods	2
		Minor or Electives	4
		Total Hours	**15**

BIBLICAL COUNSELING CONCENTRATION

The purpose of the biblical counseling concentration is to provide students with skills necessary to minister to others from a biblical foundation with a counseling philosophy and methodology based upon the sufficiency of Scripture.

Our purpose is to prepare students to provide biblical counsel in any setting. Graduates will be prepared to pursue certification through organizations like the Association of Certified Biblical Counselors (ACBC). This program is not intended to lead to state licensure.

Additional Learning Outcome

Graduates of the biblical counseling concentration will also be able to provide biblical counseling to individuals in a variety of ministry contexts.

Academic Program Fee

$10.50 per semester or 3 payments of $3.50 (p. 20)

Biblical Counseling Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BC	262	Introduction to Biblical Counseling	1
BI	205	New Testament Introduction	2
BI	250	Bible Study and Instruction	2
EN	126	English Grammar/Composition II	3
HI	102	History of Civilization	3
PR	224	Media in Ministry	3
		Total Hours	**14**

SOPHOMORE

Fall

BI	251	Bible Doctrines I	2
BL	101	Elementary Greek I	4
EN	210	Introduction to Literature	3
PS	211	Introduction to Psychology	3
SC		Science Elective	3
		Total Hours	**15**

Spring

BI	218	I and II Corinthians	2
BI	252	Bible Doctrines II	2
BL	102	Elementary Greek II	4
PR	240	Evangelism and Discipleship	2
PR	306	Interpersonal Relationships	3
SP	201	Voice and Diction	2
		Total Hours	**15**

JUNIOR

BC	327	Theology of Biblical Counseling	3
BI	233	Life of David	2
BI	303	Hebrew History I	2
BI	320	Isaiah	2
CR	370	Origins	2
ED	413	Child Growth and Development	3
PR	312	Youth Ministry	2
		Total Hours	**16**

BC	352	Biblical Counseling for Men **or**	
BC	354	Biblical Counseling for Women	2
BI	304	Hebrew History II	2
BI	312	Romans	2
BI	314	Genesis	3
BI	318	Biblical Poetry	2
BI	370	Worldview and Apologetics	2
ED	415	Adolescent Growth and Development	3
		Total Hours	**16**

SENIOR

BB	411	Church History I	2
BC	355	The Biblical Counselor	2
BI	319	I and II Timothy and Titus	2
BI	414	Revelation	2
PR	415	Marriage and Family Education	3
		Minor or Elective	3
		Total Hours	**14**

BB	412	Church History II	2
BC	356	Counseling Problems and Procedures	3
BC	411	Biblical Counseling Seminar	3
BI	317	Galatians and the Prison Epistles	2
BI	416	Hebrews and James	2
PR	411	Biblical Ethics	3
		Total Hours	**15**

MEDIA MINISTRIES CONCENTRATION

The purpose of the media ministries concentration is to train Christians to effectively identify and meet the media needs in a variety of ministry contexts.

Additional Learning Outcome

Graduates of the media ministries concentration will also be able to demonstrate skills necessary for effective creation and management of the media aspects of a Christian ministry.

Academic Program Fee

$126 per semester or 3 payments of $42 (p. 20)

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.

Media Ministries Concentration

Recommended Course Sequence

FRESHMAN

Fall

AR	120	Digital Design I	3
AR	218	Photography I	3
BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

AR	201	Design Fundamentals I	3
AR	220	Digital Design II	3
BI	205	New Testament Introduction	2
BI	250	Bible Study and Instruction	2
EN	126	English Grammar/Composition II	3
PR	224	Media in Ministry	3
		Total Hours	**16**

SOPHOMORE

AR	233	Media Technology	3
AR	267	Graphic Design I	3
BC	262	Introduction to Biblical Counseling	1
BI	251	Bible Doctrines I	2
BL	101	Elementary Greek I	4
HI	101	History of Civilization	3
		Total Hours	**16**

AR	243	Audio Production	3
BI	252	Bible Doctrines II	2
BL	102	Elementary Greek II	4
HI	102	History of Civilization	3
PR	240	Evangelism and Discipleship	2
		Total Hours	**14**

JUNIOR

AR	311	UX/UI Design	3
BI	312	Romans	2
CR	370	Origins	2
EN	210	Introduction to Literature	3
MA		Mathematics Elective	3
SP	201	Voice and Diction	2
		Total Hours	**15**

AR	324	Video Production	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
SC		Science Elective	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
BI	320	Isaiah	2
BI/BB/BL		Bible Elective	2
PR	415	Marriage and Family Education	3
AR	345	Media Ministry Internship*	3
		Total Hours	**16**

AR	364	Multicamera Production	3
AR	464	Media Administration/Production	3
BB	412	Church History II	2
BI	304	Hebrew History II	2
BI	414	Revelation	2
BI	416	Hebrews and James	2
		Total Hours	**14**

*Taken during summer or Interterm. (See p. 18 for additional cost.)

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

$10.50 per semester or 3 payments of $3.50. Students taking music lessons or group instruction pay appropriate music course fees (p. 20).

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. 65–66).



Missions Concentration (Ministerial)

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
SP	101	Fundamentals of Speech	3
Total Hours			**15**

Spring

BC	262	Introduction to Biblical Counseling	1
BI	205	New Testament Introduction	2
BI	250	Bible Study and Instruction	2
EN	126	English Grammar/Composition II	3
HI	102	History of Civilization	3
PR	240	Evangelism and Discipleship	2
		Missions Broad Field	2
PR	204	Bible and Practical Ministry[1]	1
Total Hours			**16**

SOPHOMORE

BI	251	Bible Doctrines I	2
BL/ML		Foreign Language Elective[2]	3
MI	201	History of Missions	2
PR	101	Ministerial Seminar	1
PR	327	Church Ministries Internship	1
SC		Science Elective	3
SP	201	Voice and Diction	2
		Missions Broad Field	2
Total Hours			**16**

BI	252	Bible Doctrines II	2
BL/ML		Foreign Language Elective[2]	3
EN	210	Introduction to Literature	3
MI	202	Promotion of Missions	2
PR	102	Ministerial Seminar	1
		Missions Broad Field	3
MI	207	Missionary Practicum[3]	1
Total Hours			**15**

JUNIOR

BB	411	Church History I	2
BI	312	Romans	2
CR	370	Origins	2
MI	301	Principles and Methods of Missions	2
MI	307	World Religions	2
PR	201	Ministerial Seminar	1
		Missions Broad Field	5
Total Hours			**16**

BI	203	Life of Christ	2
BI	370	Worldview and Apologetics	2
MI	302	Principles and Methods of Missions	2
MI	403	Cultural Anthropology	3
MI	412	Church Planting Seminar	1
PR	202	Ministerial Seminar	1
PR	224	Media in Ministry	3
PR	304	Bible and Practical Ministry[1]	1
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
MI	406	Modern Trends in Missions	2
PR	301	Ministerial Seminar	1
PR	315	Homiletics I	2
PR	320	Baptist Polity	1
PR	415	Marriage and Family Education	3
Total Hours			**15**

BI	314	Genesis	3
BI	317	Galatians and the Prison Epistles	2
BI	414	Revelation	2
PR	302	Ministerial Seminar	1
PR	306	Interpersonal Relationships	3
PR	316	Homiletics II	2
Total Hours			**13**

[1]Taken during summer. (See p. 18 for additional cost.)
[2]All hours of required foreign language need to be earned in the same language.
[3]Taken during summer or Interterm. (See p. 18 for additional cost.)

Missions Concentration (Nonministerial)

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BC	262	Introduction to Biblical Counseling	1
BI	205	New Testament Introduction	2
BI	250	Bible Study and Instruction	2
EN	126	English Grammar/Composition II	3
HI	102	History of Civilization	3
PR	240	Evangelism and Discipleship	2
		Missions Broad Field	2
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
BL/ML		Foreign Language Elective[1]	3
MI	201	History of Missions	2
SC		Science Elective	3
SP	201	Voice and Diction	2
PR	327	Church Ministries Internship	1
		Missions Broad Field	3
		Total Hours	**16**

BI	252	Bible Doctrines II	2
BL/ML		Foreign Language Elective[1]	3
EN	210	Introduction to Literature	3
MI	202	Promotion of Missions	2
SP	250	Public Speaking	3
		Missions Broad Field	2
MI	207	Missionary Practicum[2]	1
		Total Hours	**16**

JUNIOR

BB	411	Church History I	2
BI	233	Life of David **or**	
BI	320	Isaiah	2
BI	312	Romans	2
CR	370	Origins	2
MI	301	Principles and Methods of Missions	2
MI	307	World Religions	2
		Missions Broad Field	3
		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	224	Media in Ministry	3
		Missions Broad Field	2
		Total Hours	**14**

SENIOR

BI	319	I and II Timothy and Titus	2
BI	416	Hebrews and James	2
BI/BB/BL		Bible Electives	4
MI	406	Modern Trends in Missions	2
PR	320	Baptist Polity	1
PR	415	Marriage and Family Education	3
		Total Hours	**14**

BI	203	Life of Christ	2
BI	314	Genesis	3
BI	414	Revelation	2
BI/BB/BL		Bible Elective	2
PR	306	Interpersonal Relationships	3
		Missions Broad Field or Elective	3
		Total Hours	**15**

[1]All hours of required foreign language need to be earned in the same language.
[2]Taken during summer or Interterm. (See p. 18 for additional cost.)

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	Taxation of Individuals 3
		Total Hours Required **12**

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
		Total Hours Required **15**

BIBLICAL COUNSELING

BC	327	Theology of Biblical Counseling 3
BC	352	Biblical Counseling for Men **or**
BC	354	Biblical Counseling for Women 2
BC	355	The Biblical Counselor 2
BC	356	Counseling Problems and Procedures 3
BC	411	Biblical Counseling Seminar 3
PS	206	General Psychology 1
		Total Hours Required **14**

BIBLICAL LANGUAGES

BL	101–102	Elementary Greek I/II 8
BL	201–202	Intermediate Greek I/II 6
BL	445	Elementary Hebrew I 4
		Total Hours Required **18**

COMPUTER SCIENCE

CS	101	Introduction to Computer Applications 1
CS	131	Computer Hardware Foundations . . . 3
CS	202	Introduction to Programming 3
CS	211	Introduction to Web Design 3
CS		Computer Science Elective[1] 3
		Total Hours Required **13**

DIGITAL MEDIA[2]

AR	120	Digital Design I 3
AR	218	Photography I 3
AR	220	Digital Design II 3
AR	233	Media Technology 3
AR	311	UX/UI Design 3
AR	364	Multicamera Production 3
		Total Hours Required **18**

ELEMENTARY EDUCATION[3]

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
		Total Hours Required **16**

GRAPHIC DESIGN

AR	111	Drawing for the Designer 3
AR	120	Digital Design I 3
AR	201	Design Fundamentals I 3
AR	218	Photography I 3
AR	220	Digital Design II 3
AR	267	Graphic Design I 3
		Total Hours Required **18**

MANAGEMENT

BA	306	Business Law 3
BA	403	Business Communications 3
BA		Business Administration Elective 3
MN	303	Principles of Management 3
SP	410	Oral Communication in the Professions 2
		Total Hours Required **14**

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[4] 4
		Total Hours Required **12**

[1]Must be 200-level or above.
[2]See Technology Requirements (p. 202).
[3]Special policies (p. 100)
[4]Required to be in the same instrument and to be taken during junior and senior years.

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[1] 2
		Total Hours Required **12**

MUSIC—VOCAL

MU	100	Foundations of Church Music. 4
MU	121–122	Vocal Class I, II[2] 2
MU	226	Choral Methods. 2
MU	402	Church Music Philosophy and Administration 2
VO	231–232	Private Voice[3] 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	150	Keyboarding Speed/ Accuracy Development 1
OA	201	Document Processing. 3
		Total Hours Required **14**

PROFESSIONAL WRITING

AR	120	Digital Design I 3
EN	301	Creative Writing 3
EN	302	Copy Editing. 3
EN	360	Advanced English Grammar and Composition. 3
PW	301	Copywriting 3
PW	325	Journalism I. 3
		Total Hours Required **18**

SPEECH

SP	102	Introduction to Interpretive 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[4]

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	Sports Physiology. 2
PE	196	Introduction to Coaching 1
PE	225	First Aid 2
PE		Coaching Elective. 2
PR	312	Youth Ministry 2
PR	313	Organization and Administration of Youth Ministry 2
SP	207	Storytelling 2
		Total Hours Required **16**

[1]Must be taken during junior and senior years.
[2]Taken during junior year
[3]Taken during senior year
[4]Special policies (p. 100)

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

$10.50 per semester or 3 payments of $3.50. Students taking music lessons or group instruction pay appropriate music course fees (p. 20).

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

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
MU	100	Foundations of Church Music	4
MU	105	Beginning Hymnplaying[1] **or**	
PI	101	Piano Class[2, 3]	1
MU	121	Vocal Class I	1
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BI	205	New Testament Introduction	2
BI	250	Bible Study and Instruction	2
CC	131	College Choir[2, 4, 5] **or**	
MU	106	Beginning Hymnplaying[1]	1
EN	126	English Grammar/Composition II	3
HI	101	History of Civilization	3
MU	122	Vocal Class II	1
PR	224	Media in Ministry	3
PR	204	Bible and Practical Ministry[6]	1
		Total Hours	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2
BL	101	Elementary Greek I	4
HI	102	History of Civilization	3
MA		Mathematics Elective	3
PR	327	Church Ministries Internship	1
SP	201	Voice and Diction	2
		Music Emphasis[7]	1
		Total Hours	**16**

BI	252	Bible Doctrines II	2
BL	102	Elementary Greek II	4
EN	210	Introduction to Literature	3
MU	300	Methods and Materials for the Church Musician	2
PR	240	Evangelism and Discipleship	2
		Music Emphasis[7]	1
PR	304	Bible and Practical Ministry[6]	1
		Total Hours	**15**

JUNIOR

BI	312	Romans	2
CC		College Choir[4, 5]	1
CR	370	Origins	2
MU	226	Choral Methods	2
PR	101	Ministerial Seminar	1
PR	315	Homiletics I	2
SC		Science Elective	3
ST	201	Strings Instruction I	1
		Music Emphasis[7]	1
		Total Hours	**15**

BI	317	Galatians and the Prison Epistles	2
BI	370	Worldview and Apologetics	2
CC		College Choir[4, 5]	1
MI	412	Church Planting Seminar	1
PR	102	Ministerial Seminar	1
PR	306	Interpersonal Relationships	3
PR	316	Homiletics II	2
		Music Emphasis[7]	1
PR	404	Bible and Practical Ministry[6, 8]	1
		Total Hours	**14**

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[1]Keyboard emphasis
[2]Vocal or instrumental emphasis
[3]Students who place out of PI 101 must replace it with a music elective.
[4]Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.
[5]Strings take College Choir for 2 semesters and Orchestra for 3.
[6]Taken during summer. (See p. 18 for additional cost.)
[7]Half-hour private lesson in same emphasis.
[8]MI 207 may replace PR 404.

SENIOR

Fall

BB	411	Church History I	2
BI	303	Hebrew History I	2
BI	320	Isaiah	2
CC		College Choir[1, 2]	1
MU	402	Church Music Philosophy and Administration	2
PR	201	Ministerial Seminar	1
PR	320	Baptist Polity	1
PR	415	Marriage and Family Education	3
		Music Emphasis[3]	1
		Total Hours	**15**

Spring

BB	412	Church History II	2
BC	262	Introduction to Biblical Counseling	1
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[1, 2]	1
ED	430	Instructional Methods	2
PR	202	Ministerial Seminar	1
		Music Emphasis[3, 4]	1
		Total Hours	**16**

[1]Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.
[2]Strings take College Choir for 2 semesters and Orchestra for 3.
[3]Half-hour private lesson in same emphasis.
[4]Vocal emphasis takes MU 313.

Music Ministries Concentration (Nonministerial)

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
MU	100	Foundations of Church Music	4
MU	105	Beginning Hymnplaying[1] **or**	
PI	101	Piano Class[2, 3]	1
MU	121	Vocal Class I	1
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BI	205	New Testament Introduction	2
BI	250	Bible Study and Instruction	2
CC	131	College Choir[2, 4, 5] **or**	
MU	106	Beginning Hymnplaying[1]	1
EN	126	English Grammar/Composition II	3
HI	101	History of Civilization	3
MU	122	Vocal Class II	1
PR	224	Media in Ministry	3
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
BI/BB/BL		Bible Elective	2
BL	101	Elementary Greek I	4
MA		Mathematics Elective	3
MU		Music Elective	3
		Music Emphasis[6]	1
		Total Hours	**15**

BI	252	Bible Doctrines II	2
BL	102	Elementary Greek II	4
EN	210	Introduction to Literature	3
MU		Music Elective	3
PR	240	Evangelism and Discipleship	2
		Music Emphasis[6]	1
		Total Hours	**15**

[1]Keyboard emphasis
[2]Vocal or instrumental emphasis
[3]Students who place out of PI 101 must replace it with a music elective.
[4]Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.
[5]Strings take College Choir for 2 semesters and Orchestra for 3.
[6]Half-hour private lesson in same emphasis.

JUNIOR

Fall

BI	312	Romans	2
CC		College Choir[1, 2]	1
CR	370	Origins	2
HI	102	History of Civilization	3
MU	226	Choral Methods	2
SP	201	Voice and Diction	2
ST	201	Strings Instruction I	1
		Music Emphasis[3]	1
		Total Hours	**14**

Spring

BI	317	Galatians and the Prison Epistles	2
BI	370	Worldview and Apologetics	2
BI/BB/BL		Bible Elective	2
CC		College Choir[1, 2]	1
MU	300	Methods and Materials for the Church Musician	2
PR	306	Interpersonal Relationships	3
SC		Science Elective	3
		Music Emphasis[3]	1
		Total Hours	**16**

SENIOR

BB	411	Church History I	2
BI	303	Hebrew History I	2
BI	320	Isaiah	2
CC		College Choir[1, 2]	1
MU	402	Church Music Philosophy and Administration	2
PR	415	Marriage and Family Education	3
		Elective	2
		Music Emphasis[3]	1
		Total Hours	**15**

BB	412	Church History II	2
BC	262	Introduction to Biblical Counseling	1
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[1, 2]	1
ED	430	Instructional Methods	2
		Music Emphasis[3, 4]	1
		Total Hours	**15**

[1]Brass and woodwind take College Choir for 2 semesters and Symphonic Band for 3.
[2]Strings take College Choir for 2 semesters and Orchestra for 3.
[3]Half-hour private lesson in same emphasis.
[4]Vocal emphasis takes MU 313.

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.

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

Ministerial students receive "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 PCC, it is an everyday reality.

Academic Program Fee

$10.50 per semester or 3 payments of $3.50 (p. 20)

Pastoral Ministries Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	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	**16**

Spring

BI	205	New Testament Introduction	2
BI	250	Bible Study and Instruction	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[1]	1
		Total Hours	**14**

SOPHOMORE

BI	233	Life of David	2
BI	251	Bible Doctrines I	2
BL	101	Elementary Greek I	4
EN	210	Introduction to Literature	3
PR	201	Ministerial Seminar	1
PR	327	Church Ministries Internship	1
SP	201	Voice and Diction	2
		Total Hours	**15**

BI	252	Bible Doctrines II	2
BL	102	Elementary Greek II	4
PR	202	Ministerial Seminar	1
PR	224	Media in Ministry	3
SP	250	Public Speaking	3
		Minor or Elective	2
PR	304	Bible and Practical Ministry[1]	1
		Total Hours	**16**

JUNIOR

BI	303	Hebrew History I	2
BI	320	Isaiah	2
CR	370	Origins	2
PR	214	Church Organization and Administration	2
PR	301	Ministerial Seminar	1
PR	315	Homiletics I	2
		Minor or Elective	3
		Total Hours	**14**

BI	304	Hebrew History II	2
BI	312	Romans	2
BI	317	Galatians and the Prison Epistles	2
BI	370	Worldview and Apologetics	2
BI/BB/BL		Bible Elective	2
MI	412	Church Planting Seminar	1
PR	302	Ministerial Seminar	1
PR	316	Homiletics II	2
PR	404	Bible and Practical Ministry[1, 2]	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
BI/BB/BL		Bible Elective	2
PR	312	Youth Ministry	2
PR	320	Baptist Polity	1
PR	401	Ministerial Seminar	1
SC		Science Elective	3
		Total Hours	**15**

BB	412	Church History II	2
BC	262	Introduction to Biblical Counseling	1
BI	314	Genesis	3
BI	414	Revelation	2
BI/BB/BL		Bible Elective	2
PR	314	Church Business	1
PR	402	Ministerial Seminar	1
PR	415	Marriage and Family Education	3
		Total Hours	**15**

[1]Taken during summer. (See p. 18 for additional cost.)
[2]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.

Ministerial Seminar

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

Academic Program Fee

$10.50 per semester or 3 payments of $3.50 (p. 20)

Youth Ministries Concentration (Ministerial)

Recommended Course Sequence

FRESHMAN

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	EN	126	English Grammar/Composition II	3
EN	121/123	English Grammar/ Composition I	3	HI	102	History of Civilization	3
HI	101	History of Civilization	3	PR	102	Ministerial Seminar	1
MA		Mathematics Elective	3	PR	224	Media in Ministry	3
PR	101	Ministerial Seminar	1	PR	240	Evangelism and Discipleship	2
SP	101	Fundamentals of Speech	3	PR	204	Bible and Practical Ministry[1]	1
		Total Hours	**16**			**Total Hours**	**15**

SOPHOMORE

BI	250	Bible Study and Instruction	2	BC	262	Introduction to Biblical Counseling	1
BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
BL	101	Elementary Greek I	4	BI	317	Galatians and the Prison Epistles	2
PR	201	Ministerial Seminar	1	BL	102	Elementary Greek II	4
PR	312	Youth Ministry	2	EN	210	Introduction to Literature	3
SC		Science Elective	3	PR	313	Organization and Administration of Youth Ministry	2
SP	201	Voice and Diction	2	PR	327	Church Ministries Internship	1
				PR	304	Bible and Practical Ministry[1]	1
		Total Hours	**16**			**Total Hours**	**16**

[1]Taken during summer. (See p. 18 for additional cost.)

JUNIOR

Fall

BI	233	Life of David	2
BI	320	Isaiah	2
BI/BB/BC/BL/MI/PR		Bible/Bible Background/ Biblical Counseling/ Biblical Languages/Missions/ Practical Trainig Elective	2
CR	370	Origins	2
ED	413	Child Growth and Development **or**	
ED	415	Adolescent Growth and Development	3
PR	202	Ministerial Seminar	1
PR	315	Homiletics I	2
		Total Hours	**14**

Spring

BC	352	Biblical Counseling for Men	2
BI	312	Romans	2
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	404	Bible and Practical Ministry[1, 2]	1
		Total Hours	**14**

SENIOR

BB	411	Church History I	2
BI	303	Hebrew History I	2
BI	319	I and II Timothy and Titus	2
PR	302	Ministerial Seminar	1
PR	306	Interpersonal Relationships	3
PR	320	Baptist Polity	1
		Minor or Elective	3
		Total Hours	**14**

BB	412	Church History II	2
BI	304	Hebrew History II	2
BI	414	Revelation	2
BI	416	Hebrews and James	2
PM	302	Camp Programs and Management	3
PR	401	Ministerial Seminar	1
PR	415	Marriage and Family Education	3
		Total Hours	**15**

[1]Taken during summer. (See p. 18 for additional cost.)
[2]MI 207 may replace PR 404.

Youth Ministries Concentration (Nonministerial)

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
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	102	History of Civilization	3
PR	224	Media in Ministry	3
PR	240	Evangelism and Discipleship	2
		Total Hours	**15**

SOPHOMORE

BI	233	Life of David	2
BI	250	Bible Study and Instruction	2
BI	251	Bible Doctrines I	2
BL	101	Elementary Greek I	4
PR	312	Youth Ministry	2
SC		Science Elective	3
		Total Hours	**15**

BC	262	Introduction to Biblical Counseling	1
BI	252	Bible Doctrines II	2
BI	317	Galatians and the Prison Epistles	2
BL	102	Elementary Greek II	4
EN	210	Introduction to Literature	3
PR	313	Organization and Administration of Youth Ministry	2
PR	327	Church Ministries Internship	1
		Total Hours	**15**

JUNIOR

Fall

BI	312	Romans	2
BI	320	Isaiah	2
BI/BB/BL		Bible Electives	4
CR	370	Origins	2
ED	413	Child Growth and Development **or**	
ED	415	Adolescent Growth and Development	3
SP	201	Voice and Diction	2
		Total Hours	**15**

Spring

BC	354	Biblical Counseling for Women	2
BI	314	Genesis	3
BI	370	Worldview and Apologetics	2
BI/BB/BL		Bible Elective	2
PR	306	Interpersonal Relationships	3
SP	207	Storytelling	2
		Total Hours	**14**

SENIOR

BB	411	Church History I	2
BI	303	Hebrew History I	2
BI	319	I and II Timothy and Titus	2
BI/BB/BC/BL/MI/PR		Bible/Bible Background/ Biblical Counseling/ Biblical Languages/Missions/ Practical Training/Elective	2
ED	430	Instructional Methods	2
PR	320	Baptist Polity	1
		Minor or Electives	4
		Total Hours	**15**

BB	412	Church History II	2
BI	304	Hebrew History II	2
BI	414	Revelation	2
BI	416	Hebrews and James	2
PM	302	Camp Programs and Management	3
PR	415	Marriage and Family Education	3
		Minor or Elective	2
		Total Hours	**16**



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**, which both offer undergraduate and graduate degrees.

77–98 Business Department

99–125 Education Department



Dr. Eric Bryant
Dean of Professional Studies



BUSINESS DEPARTMENT

Division of Professional Studies

Dr. John Cuendet, Chair

Undergraduate Degrees

Associate of Science

78 Business Major

Concentrations:

- 79 Medical Office Systems
- 81 Office Systems

Bachelor of Science

83 Business Major

Concentrations:

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

206–209 Minors

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

65–66 Missions Broad Fields

Accounting, Management, Office Administration

123 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
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 the 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.

(Additional learning outcomes are listed for each concentration.)

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

$120.75 per semester or 3 payments of $40.25 (p. 20)

Medical Office Systems Concentration

Recommended Course Sequence

FIRST YEAR

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
CS	101	Intro. to Computer Applications	1
EN	121/123	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	**16**

Spring

BA	220	Business English	3
BI	205	New Testament Introduction	2
EN	126	English Grammar/Composition II	3
OA	150	Keyboarding Speed/ Accuracy Development*	1
OA	201	Document Processing	3
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	251	Bible Doctrines I	2
OA	250	Keyboarding Speed/ Accuracy Development	1
OA	322	Fundamentals of Med. Insurance, Billing, and Coding	3
OA	324	Healthcare Documentation and Medical Transcription I	4
PR	306	Interpersonal Relationships	3
		Total Hours	**16**

BA	403	Business Communications	3
BI	252	Bible Doctrines II	2
MA		Mathematics Elective	3
OA	210	Records Management	2
OA	301	Applied Office Technology	3
OA	318	Office Procedures	3
		Total Hours	**16**

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

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

$89.25 per semester or 3 payments of $29.75 (p. 20)

Office Systems Concentration

Recommended Course Sequence

FIRST YEAR

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
CS	101	Intro. to Computer Applications	1
EN	121/123	English Grammar/ Composition I	3
MA		Mathematics Elective	3
OA	213	Survey of Accounting	3
SP	101	Fundamentals of Speech	3
		Total Hours	**16**

Spring

BA	220	Business English	3
BI	205	New Testament Introduction	2
EN	126	English Grammar/Composition II	3
OA	150	Keyboarding Speed/ Accuracy Development*	1
OA	201	Document Processing	3
OA	214	Survey of Accounting	3
		Total Hours	**15**

SECOND YEAR

BA	330	Computer Applications for Business	3
BI	251	Bible Doctrines I	2
MN	303	Principles of Management	3
OA	250	Keyboarding Speed/ Accuracy Development	1
OA	318	Office Procedures	3
PR	306	Interpersonal Relationships	3
		Total Hours	**15**

BA	403	Business Communications	3
BI	252	Bible Doctrines II	2
OA	210	Records Management	2
OA	301	Applied Office Technology	3
		Business Electives	5
		Total Hours	**15**

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



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 the 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.
- 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.
- 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 and computer science complement the accounting concentration.

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

$26.25 per semester or 3 payments of $8.75 (p. 20)

Master of Accountancy Affiliation Agreement

PCC has partnered with University of West Florida to provide special opportunities for students applying to UWF's Master of Accountancy (M.Acc.) program. Application fees will be waived, and scholarships and other financial aid opportunities are available. General eligibility requirements include minimum cumulative 3.00 GPA.

Highlighted text indicates a change from the original version of the Catalog.

Accounting Concentration

Recommended Course Sequence

FRESHMAN

Fall

AC	231	Principles of Accounting I	3
BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

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
		Total Hours	**14**

SOPHOMORE

AC	331	Intermediate Financial Accounting I	3
BA	306	Business Law	3
BA	330	Computer Applications for Business[1]	3
BI	251	Bible Doctrines I	2
MA	220	Business Calculus	3
		Minor or Elective	2
		Total Hours	**16**

AC	332	Intermediate Financial Accounting II	3
BA	301	Corporate Finance	3
BI	252	Bible Doctrines II	2
EN	210	Introduction to Literature	3
MA	216	Intro. to Statistical Reasoning **or**	
MA	326	Probability and Statistics	3
		Total Hours	**14**

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
		Total Hours	**14**

AC		Accounting Elective	3
BA	403	Business Communications	3
BI	370	Worldview and Apologetics	2
MA	330	Data Analytics	3
PL	280	American Government **or**	
BA	442	Advanced Business Law[2]	3
		Minor or Elective	2
		Total Hours	**16**

SENIOR

AC	403	Taxation of Individuals	3
AC		Accounting Elective[3]	3
BA	303	Macroeconomics	3
BI		Bible Elective	2
SP	410	Oral Communication in the Professions	2
		Minor or Elective	3
		Total Hours	**16**

AC	410	Accounting Information Systems	3
BA	304	Microeconomics	3
PR	306	Interpersonal Relationships	3
SC		Science Elective	3
		Minor or Elective	3
		Total Hours	**15**

[1]Students must meet CS 101 prerequisite by credit or proficiency.
[2]Students desiring to sit for CPA exam should take BA 442 Advanced Business Law.
[3]FN 451 may be taken as an accounting elective.
Highlighted text indicates a change from the original version of the Catalog.

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.
- 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 graphic design support courses. Marketing may not be claimed as a minor.

Academic Program Fee

$84 per semester or 3 payments of $28 (p. 20)

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	Drawing for the Designer	3
AR	120	Digital Design I	3
BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

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

SOPHOMORE

AR	267	Graphic Design I	3
AR	311	UX/UI Design	3
BI	251	Bible Doctrines I	2
EN	210	Introduction to Literature	3
MA		Mathematics Elective	3
SP	201	Voice and Diction	2
		Total Hours	**16**

AR	218	Photography I	3
AR	268	Graphic Design II	3
BI	252	Bible Doctrines II	2
HI	102	History of Civilization	3
MK	202	Professional Selling	3
		Minor or Elective	2
		Total Hours	**16**

JUNIOR

AC	231	Principles of Accounting I	3
BI	370	Worldview and Apologetics	2
MK	304	Principles of Marketing	3
SP	250	Public Speaking	3
		Advertising/Public Relations Elective*	3
		Minor or Elective	2
		Total Hours	**16**

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

SENIOR

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

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	4
		Total Hours	**15**

*Electives available in Communication (CO 234, 235, 335, 336, 437), Digital Media (AR 233, 241, 243, 308, 309, 324, 364), Design (AR 402, 403, 420, 421), Marketing (MK 400, 402, 404), or Writing (PW 305, 325, 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.
- 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.

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

$31.50 per semester or 3 payments of $10.50 (p. 20)

Finance Concentration

Recommended Course Sequence

FRESHMAN

Fall

AC	231	Principles of Accounting I	3
BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

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
		Minor or Elective	2
		Total Hours	**16**

SOPHOMORE

BA	301	Corporate Finance	3
BI	251	Bible Doctrines I	2
MA	216	Intro. to Statistical Reasoning **or**	
MA	326	Probability and Statistics	3
MN	303	Principles of Management	3
SC		Science Elective	3
		Total Hours	**14**

BA	302	Corporate Finance	3
BA	330	Computer Applications for Business*	3
BI	252	Bible Doctrines II	2
EN	210	Introduction to Literature	3
MK	304	Principles of Marketing	3
		Total Hours	**14**

JUNIOR

BA	303	Macroeconomics	3
CR	370	Origins	2
FN	315	Principles of Investments	3
FN	447	Financial Modeling and Forecasting	3
MA	220	Business Calculus	3
		Minor or Elective	2
		Total Hours	**16**

BA	304	Microeconomics	3
BA	306	Business Law	3
BA	403	Business Communications	3
BI	370	Worldview and Apologetics	2
FN	310	Financial Institutions	3
		Minor or Elective	2
		Total Hours	**16**

SENIOR

BI		Bible Elective	2
FN	433	International Finance	3
FN	451	Financial Statement Analysis	3
MN	430	Strategic Management and Business Policy	3
PL	280	American Government	3
		Total Hours	**14**

FN	448	Advanced Portfolio Management	3
FN	452	Case Studies in Finance	3
MN	422	International Business	3
PR	306	Interpersonal Relationships	3
SP	410	Oral Communication in the Professions	2
		Minor or Elective	1
		Total Hours	**15**

*Students must meet CS 101 prerequisite by credit or proficiency.
Highlighted text indicates a change from the original version of the Catalog.

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

$26.25 per semester or 3 payments of $8.75 (p. 20)

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
CL	110/111	Foundations for College Success	1	MA	130	College Algebra II	3
CS	101	Introduction to Computer Applications	1	SP	101	Fundamentals of Speech	3
EN	121/123	English Grammar/ Composition I	3				
HI	101	History of Civilization	3				
		Total Hours	**15**			**Total Hours**	**14**

SOPHOMORE

AC	305	Managerial Cost Accounting	3	BA	330	Computer Applications for Business	3
BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
MK	304	Principles of Marketing	3	EN	210	Introduction to Literature	3
MN	303	Principles of Management	3	HI	102	History of Civilization	3
SC		Science Elective	3	MA	216	Introduction to Statistical Reasoning **or**	
		Minor or Elective	2	MA	326	Probability and Statistics	3
		Total Hours	**16**			**Total Hours**	**14**

Highlighted text indicates a change from the original version of the Catalog.

JUNIOR

Fall			Spring		
BA 301	Corporate Finance	3	BA 302	Corporate Finance	3
BA 306	Business Law	3	BA 303	Macroeconomics	3
BA 403	Business Communications	3	BI 370	Worldview and Apologetics	2
CR 370	Origins	2	MA 330	Data Analytics	3
MN 317	Small Business Entrepreneurship	3	MN 351	Human Resource Management	3
				Minor or Elective*	2
	Total Hours	**14**		**Total Hours**	**16**

SENIOR

BI	Bible Elective	2	BA 304	Microeconomics	3
MN 340	Organizational Behavior	3	MN 422	International Business	3
MN 411	Operations Management	3	MN 430	Strategic Management and Business Policy	3
PR 306	Interpersonal Relationships	3	PL 280	American Government	3
	Minor or Electives*	5	SP 410	Oral Communication in the Professions	2
				Minor or Elective	1
	Total Hours	**16**		**Total Hours**	**15**

*Students desiring to pursue an M.B.A. degree should take MA 220 Business Calculus.
Highlighted text indicates a change from the original version of the Catalog.

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.

Academic Program Fee

$31.50 per semester or 3 payments of $10.50 (p. 20)

Marketing Concentration

Recommended Course Sequence

FRESHMAN

Fall

BA	101	Introduction to Business 2
BI	105	Old Testament Introduction 2
CL	110/111	Foundations for College Success 1
CS	101	Introduction to Computer Applications 1
EN	121/123	English Grammar/ Composition I 3
MA	121/123	College Algebra I 3
SP	101	Fundamentals of Speech 3
		Total Hours 15

Spring

BI	205	New Testament Introduction 2
EN	126	English Grammar/Composition II . . . 3
HI	101	History of Civilization 3
MA	130	College Algebra II 3
SC		Science Elective 3
		Total Hours 14

SOPHOMORE

AC	231	Principles of Accounting I 3
BA	306	Business Law 3
BI	251	Bible Doctrines I 2
EN	210	Introduction to Literature 3
MK	304	Principles of Marketing 3
		Total Hours 14

AC	232	Principles of Accounting II 3
BA	330	Computer Applications for Business 3
BI	252	Bible Doctrines II 2
HI	102	History of Civilization 3
MK	202	Professional Selling 3
		Minor or Elective 2
		Total Hours 16

JUNIOR

BA	403	Business Communications 3
CR	370	Origins 2
MA	216	Introduction to Statistical Reasoning **or**
MA	326	Probability and Statistics 3
MK	307	Advertising 3
		Minor or Elective 2
MN	303	Principles of Management 3
		Total Hours 16

BI	370	Worldview and Apologetics 2
MA	330	Data Analytics 3
MK	308	Retailing 3
MK	365	Consumer Behavior 3
MK	400	Social Media Marketing 3
		Total Hours 14

SENIOR

BA	301	Corporate Finance 3
BA	303	Macroeconomics 3
BA	313	Public Relations 3
BI		Bible Elective 2
MK	404	Marketing Research 3
		Minor or Elective 2
		Total Hours 16

MK	405	Marketing Management 3
MN	422	International Business 3
PL	280	American Government 3
PR	306	Interpersonal Relationships 3
SP	410	Oral Communication in the Professions 2
		Minor or Elective 1
		Total Hours 15

Highlighted text indicates a change from the original version of the Catalog.

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.
- 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. Business technology or office administration may not be claimed as a minor. To complete a management minor, students must replace OA 213/214 with AC 231/232.

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

$94.50 per semester or 3 payments of $31.50 (p. 20)

Medical Office Administration Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
CS	101	Intro. to Computer Applications	1
EN	121/123	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	**16**

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	251	Bible Doctrines I	2
HI	102	History of Civilization	3
OA	150	Keyboarding Speed/ Accuracy Development	1
OA	322	Fundamentals of Medical Insurance, Billing, and Coding	3
		Minor or Elective	3
		Total Hours	**15**

BA	330	Computer Applications for Business	3
BI	252	Bible Doctrines II	2
EN	210	Introduction to Literature	3
OA	201	Document Processing	3
OA	226	Medical Terminology for the Office Professions	1
OA	326	Medical Insurance and Billing	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	250	Keyboarding Speed/ Accuracy Development	1
OA	324	Healthcare Documentation and Medical Transcription I	4
OA	329	Procedural Coding	3
SP	410	Oral Communication in the Professions	2
		Minor or Elective	2
		Total Hours	**14**

OA	301	Applied Office Technology	3
OA	411	Desktop Publishing	3
OA	418	Office Administration	3
OA	424	Healthcare Documentation and Medical Transcription II	3
		Minor or Elective	3
		Total Hours	**15**

*Taken off campus after attaining senior classification. (See p. 18 for additional cost.)

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.
- 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 may not be claimed as a minor. To complete a management minor, studets must replace OA 213/214 with AC 231/232.

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

$73.50 per semester or 3 payments of $24.50 (p. 20)

Office Administration Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
CS	101	Intro. to Computer Applications	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
OA	101	Beginning Keyboarding	3
SP	101	Fundamentals of Speech	3
		Total Hours	**16**

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
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
EN	210	Introduction to Literature	3
OA	213	Survey of Accounting	3
SC		Science Elective	3
		Minor or Electives	4
		Total Hours	**15**

BA	220	Business English	3
BA	330	Computer Applications for Business	3
BI	252	Bible Doctrines II	2
OA	150	Keyboarding Speed/ Accuracy Development	1
OA	214	Survey of Accounting	3
		Minor or Elective	3
		Total Hours	**15**

JUNIOR

BA	200	Introduction to Economics	3
BI	370	Worldview and Apologetics	2
MN	303	Principles of Management	3
OA	201	Document Processing	3
		Business Elective	3
		Total Hours	**14**

BA	306	Business Law	3
BA	403	Business Communications	3
CR	370	Origins	2
OA	250	Keyboarding Speed/ Accuracy Development	1
PR	306	Interpersonal Relationships	3
		Minor or Elective	2
OA	408	Office Practicum*	1
		Total Hours	**15**

SENIOR

BI		Bible Elective	2
OA	301	Applied Office Technology	3
OA	318	Office Procedures	3
PL	280	American Government	3
		Minor or Electives	4
		Total Hours	**15**

MK	304	Principles of Marketing	3
OA	411	Desktop Publishing	3
OA	418	Office Administration	3
SP	410	Oral Communication in the Professions	2
		Minor or Electives	4
		Total Hours	**15**

*Taken off campus after attaining senior classification. (See p. 18 for additional cost.)

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.
- 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. Physical education may not be claimed as a minor.

Academic Program Fee

$36.75 per semester or 3 payments of $12.25 (p. 20)

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
CL	110/111	Foundations for College Success	1
EN	121/123	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
SC	112	Human and Cell Biology	3
		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	Sports 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	306	Business Law	3
BI	251	Bible Doctrines I	2
HI	101	History of Civilization	3
MN	303	Principles of Management	3
PE	225	First Aid	2
		Total Hours	**16**

BI	252	Bible Doctrines II	2
MK	304	Principles of Marketing	3
PE	210	History, Principles, and Philosophy of Physical Education	2
PE	314	Motor Learning	3
PE	321	Kinesiology	2
PM	302	Camp Programs/Management	3
PM	310	Sport Management Practicum[1]	2
		Total Hours	**17**

JUNIOR

BA	403	Business Communications	3
CR	370	Origins	2
PE		Coaching Elective	2
PM	218	Sport Nutrition	3
		Minor or Electives	4
		Total Hours	**14**

BA	330	Computer Applications for Business[2]	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[1]	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 Elective	3
		Total Hours	**14**

ED	413	Child Growth & Development **or**	
ED	415	Adolescent Growth/Development	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 Sem.	2
SP	410	Oral Communication in the Professions	2
		Total Hours	**14**

[1]Taken during summer or Interterm. (See p. 18 for additional cost.)
[2]Students must meet CS 101 prerequisite by credit or proficiency.
Highlighted text indicates a change from the original version of the Catalog.

EDUCATION DEPARTMENT

Division of Professional Studies

Dr. David Gregory, Chair

Undergraduate Degrees

Bachelor of Science

101 Elementary Education Major
- 103 Early Childhood Concentration

105 Music Education Major
with Choral Conducting, Instrumental, and Keyboard Emphases

110 Secondary Education Major
Concentrations:
- 111 Biology
- 113 English
- 114 History
- 116 Mathematics
- 117 Physical Education
- 119 Science
- 120 Speech

124 Special Education Major

207, 209–210 Minors
Education, Physical Education, Special Education

65–66 Missions Broad Fields
Elementary Education, Teaching English

122–123 Second Teaching Fields

Graduate Degrees

(See Seminary & Graduate Studies Catalog.)

Master of Science
- Educational Leadership
- Curriculum and Instruction
  Specializations:
  - Elementary, English, History Mathematics, Science, Speech, Music with Conducting, Instrumental, Keyboard, and Vocal Proficiencies

Education Specialist
- Educational Leadership
- Curriculum and Instruction
  Specializations:
  - Elementary, English, History, Science

Doctor of Education
- Educational Leadership
- Curriculum and Instruction
  Specializations:
  - Elementary, English, History, Science



At the center of the **education department** 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. Although the education programs do not lead to state licensure, graduates are qualified to receive teacher certification through the Association of Christian Schools International (ACSI) and are eligible for a complimentary one-year Professional Teaching Certificate from the American Association of Christian Schools (AACS).

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 PCC, publishes Christian textbooks. PCC is also the home of Abeka Academy. Education majors 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.
- 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

$31.50 per semester or 3 payments of $10.50 (p. 20)

Elementary Education Major

Recommended Course Sequence

FRESHMAN

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	ED	102	Personal and Community Health	2
ED	101	Philosophy of Christian Ed.	3	EN	126	English Grammar/Composition II	3
EN	121/123	English Grammar/ Composition I.	3	HI	102	History of Civilization	3
HI	101	History of Civilization	3	MA		Mathematics Elective.	3
SP	101	Fundamentals of Speech	3			Minor or Elective	2
		Total Hours	**15**			**Total Hours**	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II.	2
EE	201	Materials and Methods	3	ED	219	Teaching the Reluctant Learner	2
EE	205	Intensive Phonics Instruction	2	EE	215	Arithmetic Skills for the Elementary School.	2
HI	201	United States History.	3	EN	210	Introduction to Literature	3
SC	111	Fundamentals of Biology	3	HI	202	United States History.	3
PE	195	Elementary PE Activities.	1	SC	112	Human and Cell Biology	3
EE	210	Elementary Education Practicum[1]	1	ED	211	Education Field Experience[2]	1
		Total Hours	**15**			**Total Hours**	**16**

JUNIOR

BI		Bible Elective	2	BI	370	Worldview and Apologetics	2
CR	370	Origins	2	ED	301	Tests and Measurements	1
EE	301	Teaching Arithmetic	2	ED	306	Computer Apps. in Education[3]	1
EE	306	Teaching Art and Music	1	ED	322	Educational Psychology	3
EE	308	Teaching PE in Elementary Schools	2	EE	317	Teaching Reading	2
EE	311	Teaching Penmanship	1	EE	325	Teaching Language Arts	2
EE	321	Teaching Science and History	2	EE	330	Teaching Bible	2
SC	211	Earth and Space	3	SC	212	Physical Science	3
		Total Hours	**15**			**Total Hours**	**16**

SENIOR

ED	419	Teaching Internship Orientation[4, 5]	1	BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
EE	420	Elementary Teaching Internship[4]	12	ED	413	Child Growth and Development.	3
				EE	412	Children's Literature	2
				MU	213	Appreciation of Fine Arts	3
						Minor or Electives	5
		Total Hours	**13**			**Total Hours**	**15**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Taken during summer. (See p. 18 for additional cost.)
[3]Students must meet CS 101 prerequisite by credit or proficiency.
[4]Scheduled by education department.
[5]Taken the Pre-term prior to EE 420. (See p. 18 for additional cost.)

EARLY CHILDHOOD CONCENTRATION

Early childhood concentration provides young women the knowledge and skill to work with children from birth through sixth grade and to 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

$36.75 per semester or 3 payments of $12.25 (p. 20)



Early Childhood Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
ED	101	Philosophy of Christian Education	3
EN	121/123	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
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	251	Bible Doctrines I	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	2
ED	210	Early Childhood Education Practicum[1]	1
		Total Hours	**16**

BI	252	Bible Doctrines II	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[2]	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
EEL	343	Teaching Preschoolers Lab	1
SP	207	Storytelling	2
		Total Hours	**15**

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	2
		Total Hours	**14**

SENIOR

ED	306	Computer Applications in Education[3]	1
ED	413	Child Growth and Development	3
EE	321	Teaching Science and History	2
EE	412	Children's Literature	2
MU	213	Appreciation of Fine Arts	3
PR	415	Marriage and Family Education	3
		Minor or Elective	2
		Total Hours	**16**

ED	419	Teaching Internship Orientation[4, 5]	1
EE	450	Early Childhood Teaching Internship[4]	12
		Total Hours	**13**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Taken during summer. (See p. 18 for additional cost.)
[3]Students must meet CS 101 prerequisite by credit or proficiency.
[4]Scheduled by education department.
[5]Taken the Pre-term prior to EE 450. (See p. 18 for additional cost.)
Highlighted text indicates a change from the original version of the Catalog.

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.
- exhibit the professional qualities required of successful teachers.

The 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 Vocal Instruction.)

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 Secondary Piano.

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

$52.50 per semester or 3 payments of $17.50 (instrumental emphasis is $57.75 per semester or 3 payments of $19.25). Students taking music lessons and group instruction pay appropriate music course fees (p. 20).

Music Education Major with Choral Conducting Emphasis

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
MU	101	Music Theory I	4
PI	211	Secondary Piano	1
SP	101	Fundamentals of Speech	3
VO	121	Vocal Instruction	1
		Ensemble	1
		Total Hours	**16**

Spring

BI	205	New Testament Introduction	2
ED	101	Philosophy of Christian Ed.	3
EN	126	English Grammar/Composition II	3
MU	102	Music Theory II	4
PI	212	Secondary Piano	1
VO	122	Vocal Instruction	1
		Ensemble	1
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
ED	251	Introduction to Music Education	3
MA		Mathematics Elective	3
MU	201	Music Theory III	4
MU	226	Choral Methods	2
VO	231	Private Voice	1
		Ensemble	1
		Total Hours	**16**

BI	252	Bible Doctrines II	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
EN	210	Introduction to Literature	3
MU	202	Music Theory IV	4
MU	272	Choral Conducting	1
VO	232	Private Voice	1
		Ensemble	1
		Total Hours	**15**

JUNIOR

BI	370	Worldview and Apologetics	2
ED	351	Teaching Elementary Music	2
MU	231	Piano Accompaniment	1
MU	301	History of Music	3
MU	307	Woodwind Methods	2
MU	315	Elements of Conducting	2
MU	327	Voice Materials and Methods	2
MU	371	Choral Conducting	1
		Ensemble	1
ED	259	Music Education Practicum[1]	1
		Total Hours	**17**

BI		Bible Elective	2
CD	322	Private Conducting	1
ED	322	Educational Psychology	3
ED	352	Teaching Secondary Music	2
MU	302	History of Music	3
MU	308	Strings Methods	2
MU	446	Instrumental Conducting	2
		Ensemble	1
		Total Hours	**16**

SENIOR

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
CD	421	Private Conducting	1
ED	419	Teaching Internship Orientation[2, 3]	1
ED	450	Music Teaching Internship[2]	7
HI	101	History of Civilization	3
		Ensemble	1
		Total Hours	**15**

CR	370	Origins	2
HI	102	History of Civilization	3
MU	310	Choral Writing and Arranging	2
MU	410	Brass and Percussion Methods	2
MU	479	Private Conducting/Recital (Education)	1
SC		Science Elective	3
		Ensemble	1
		Total Hours	**14**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Scheduled by education department.
[3]Taken the Pre-term prior to ED 450. (See p. 18 for additional cost.)

Music Education Major with Instrumental Emphasis

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
CL	110/111	Foundations for College Success 1
EN	121/123	English Grammar/ Composition I 3
MU	101	Music Theory I 4
PI	211	Secondary Piano 1
SP	101	Fundamentals of Speech 3
ST	141	Orchestra 1
		Private Instrument 1
		Total Hours 16

Spring

BI	205	New Testament Introduction 2
ED	101	Philosophy of Christian Ed. 3
EN	126	English Grammar/Composition II . . . 3
MU	102	Music Theory II 4
PI	212	Secondary Piano 1
ST	142	Orchestra 1
		Private Instrument 1
		Total Hours 15

SOPHOMORE

BI	251	Bible Doctrines I 2
ED	251	Introduction to Music Education 3
HI	101	History of Civilization 3
MU	201	Music Theory III 4
MU	226	Choral Methods 2
ST	241	Orchestra 1
		Private Instrument 1
		Total Hours 16

BI	252	Bible Doctrines II 2
CS/MA/SC		Computer Science/Mathematics/ Science Elective 3
EN	210	Introduction to Literature 3
MU	202	Music Theory IV 4
MU	308	Strings Methods 2
ST	242	Orchestra 1
		Private Instrument 1
		Total Hours 16

JUNIOR

BI	370	Worldview and Apologetics 2
ED	351	Teaching Elementary Music 2
HI	102	History of Civilization 3
MU	301	History of Music 3
MU	307	Woodwind Methods 2
MU	315	Elements of Conducting 2
ST	341	Orchestra 1
		Private Instrument 1
ED	259	Music Education Practicum[1] 1
		Total Hours 17

BI		Bible Elective 2
ED	322	Educational Psychology 3
ED	352	Teaching Secondary Music 2
MU	302	History of Music 3
MU	312	Instrumental Materials and Methods 2
MU	418	Orchestration 2
ST	342	Orchestra 1
		Private Instrument 1
		Total Hours 16

SENIOR

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective 2
ED	419	Teaching Internship Orientation[2, 3] 1
ED	450	Music Teaching Internship[2] 7
MA		Mathematics Elective 3
ST	441	Orchestra 1
		Private Instrument 1
		Total Hours 15

CR	370	Origins 2
MU	410	Brass and Percussion Methods 2
MU	446	Instrumental Conducting 2
MU		Arranging Elective 2
MU		Private Instrument/Recital (Education) 1
SC		Science Elective 3
ST	442	Orchestra 1
		Total Hours 13

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Scheduled by education department.
[3]Taken the Pre-term prior to ED 450. (See p. 18 for additional cost.)

Music Education Major with Keyboard Emphasis

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
CL	110/111	Foundations for College Success 1
EN	121/123	English Grammar/ Composition I. 3
MU	101	Music Theory I 4
MU	121	Vocal Class I 1
PI	121	Private Piano. 1
SP	101	Fundamentals of Speech 3
		Ensemble. 1
		Total Hours **16**

Spring

BI	205	New Testament Introduction 2
ED	101	Philosophy of Christian Ed. 3
EN	126	English Grammar/Composition II . . . 3
MU	102	Music Theory II 4
PI	122	Private Piano. 1
		Ensemble. 1
		Total Hours **14**

SOPHOMORE

BI	251	Bible Doctrines I 2
CS/MA/SC		Computer Science/Mathematics/ Science Elective 3
ED	251	Introduction to Music Education 3
MU	201	Music Theory III. 4
MU	233	Hymn Keyboard Skills I. 2
PI	221	Private Piano. 1
		Ensemble. 1
		Total Hours **16**

BI	252	Bible Doctrines II. 2
MA		Mathematics Elective. 3
MU	202	Music Theory IV. 4
MU	226	Choral Methods. 2
MU	230	Piano Accompanying. 1
MU	234	Hymn Keyboard Skills II 2
PI	222	Private Piano. 1
		Ensemble. 1
		Total Hours **16**

JUNIOR

BI	370	Worldview and Apologetics. 2
ED	351	Teaching Elementary Music. 2
HI	101	History of Civilization 3
MU	301	History of Music 3
MU	307	Woodwind Methods 2
MU	335	Piano Materials and Methods 2
PI	151	Accompaniment Practicum 1
PI	321	Private Piano. 1
ED	259	Music Education Practicum[1] 1
		Total Hours **17**

BI		Bible Elective 2
ED	322	Educational Psychology 3
ED	352	Teaching Secondary Music 2
MU	302	History of Music. 3
MU	308	Strings Methods 2
MU	336	Piano Materials and Methods 2
PI	152	Accompaniment Practicum 1
PI	322	Private Piano. 1
		Total Hours **16**

SENIOR

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective 2
ED	419	Teaching Internship Orientation[2, 3] 1
ED	450	Music Teaching Internship[2] 7
EN	210	Introduction to Literature 3
PI	421	Private Piano. 1
		Ensemble. 1
		Total Hours **15**

CR	370	Origins 2
HI	102	History of Civilization 3
MU	310	Choral Writing and Arranging 2
MU	410	Brass and Percussion Methods 2
MU	474	Private Piano/Recital (Education) . . . 1
SC		Science Elective. 3
		Ensemble. 1
		Total Hours **14**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Scheduled by education department.
[3]Taken the Pre-term prior to ED 450. (See p. 18 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.
- 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 (pp. 111–122) and a second teaching field (pp. 122–123) 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. 123) 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

$120.75 per semester or 3 payments of $40.25 (p. 20)

Biology Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
BY	111	General Biology I	4
CL	110/111	Foundations for College Success	1
ED	101	Philosophy of Christian Education	3
EN	121/123	English Grammar/ Composition I	3
		Second Teaching Field	3
		Total Hours	**16**

Spring

BI	205	New Testament Introduction	2
BY	112	General Biology II	4
BY	201	General Anatomy and Physiology I	4
EN	126	English Grammar/Composition II	3
		Second Teaching Field	3
		Total Hours	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2
BY	202	General Anatomy and Physiology II	4
SE	201	General Teaching Methods	3
SP	101	Fundamentals of Speech	3
		Second Teaching Field	3
SE	210	Secondary Education Practicum[1]	1
		Total Hours	**16**

BI	252	Bible Doctrines II	2
BY	222	Botany	4
HI	101	History of Civilization	3
MA	121/123	College Algebra 1[2]	3
		Second Teaching Field	3
ED	211	Education Field Experience[3]	1
		Total Hours	**16**

JUNIOR

BI	370	Worldview and Apologetics	2
BY	323	Ecology	4
BY	331	Genetics	4
CH	111	General Chemistry I	4
		Second Teaching Field	3
		Total Hours	**17**

CH	112	General Chemistry II	4
CR	370	Origins	2
ED	306	Computer Applications in Education[4]	1
ED	322	Educational Psychology	3
SE	308	Teaching Science	3
		Second Teaching Field	3
		Total Hours	**16**

SENIOR

BI	318	Biblical Poetry[5]	2
ED	301	Tests and Measurements[5]	1
ED	415	Adolescent Growth and Development[5]	3
ED	419	Teaching Internship Orientation[5,6]	1
SE	420	Secondary Teaching Internship[5]	7
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
EN	210	Introduction to Literature	3
HI	102	History of Civilization	3
SC	211	Earth and Space	3
		Second Teaching Field	3
		Total Hours	**14**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]If second field is math, may begin with higher-level MA course
[3]Taken during summer. (See p. 18 for additional cost.)
[4]Students must meet CS 101 prerequisite by credit or proficiency.
[5]Scheduled by education department.
[6]Taken the Pre-term prior to SE 420. (See p. 18 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

$31.50 per semester or 3 payments of $10.50 (p. 20)

English Concentration

Recommended Course Sequence

FRESHMAN

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	ED	101	Philosophy of Christian Education	3
EN	121/123	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
		Second Teaching Field	4			Second Teaching Field	2
		Total Hours	**16**			**Total Hours**	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	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
		Second Teaching Field	3			Second Teaching Field	3
SE	210	Secondary Education Practicum[1]	1	ED	211	Education Field Experience[2]	1
		Total Hours	**15**			**Total Hours**	**15**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Taken during summer. (See p. 18 for additional cost.)

JUNIOR

Fall

BI	370	Worldview and Apologetics	2
ED	322	Educational Psychology	3
EN		Literature Electives (300- or 400-level)[3]	6
SE	304	Teaching English	3
		Second Teaching Field	2
		Total Hours	**16**

Spring

CR	370	Origins	2
ED	306	Computer Applications in Education[4]	1
EN	315	Shakespeare	3
EN	423	The Classics of Western Literature	3
		Second Teaching Field	7
		Total Hours	**16**

SENIOR

BI	318	Biblical Poetry[5]	2
ED	301	Tests and Measurements[5]	1
ED	415	Adolescent Growth and Development[5]	3
ED	419	Teaching Internship Orientation[5, 6]	1
SE	420	Secondary Teaching Internship[5]	7
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
EN	362	History and Trends of the English Language	3
SC		Science Elective	3
SE	321	Teaching Reading Skills for the Secondary Student	2
		Total Hours	**13**

[3]May take EN 291 in place of a literature elective.
[4]Students must meet CS 101 prerequisite by credit or proficiency.
[5]Scheduled by education department.
[6]Taken the Pre-term prior to SE 420. (See p. 18 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

$31.50 per semester or 3 payments of $10.50 (p. 20)

History Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	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
		Total Hours	**17**

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
		Total Hours	**16**

SOPHOMORE

BI	251	Bible Doctrines I	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[1]	1
		Total Hours	**16**

BI	252	Bible Doctrines II	2
EN	210	Introduction to Literature	3
HI	202	United States History	3
PL	280	American Government	3
		Second Teaching Field	4
ED	211	Education Field Experience[2]	1
		Total Hours	**16**

JUNIOR

BI	370	Worldview and Apologetics	2
ED	306	Computer Applications in Education[3]	1
HI	310	History of England	3
HI		History Electives	6
SE	306	Teaching History	3
		Second Teaching Field	1
		Total Hours	**16**

CR	370	Origins	2
ED	322	Educational Psychology	3
HI	300	History and Principles of Free-Market Economics	3
HI		History Elective	3
		Second Teaching Field	5
		Total Hours	**16**

SENIOR

BI	318	Biblical Poetry[4]	2
ED	301	Tests and Measurements[4]	1
ED	415	Adolescent Growth and Development[4]	3
ED	419	Teaching Internship Orientation[4, 5]	1
SE	420	Secondary Teaching Internship[4]	7
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/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
		Total Hours	**13**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Taken during summer. (See p. 18 for additional cost.)
[3]Students must meet CS 101 prerequisite by credit or proficiency.
[4]Scheduled by education department.
[5]Taken the Pre-term prior to SE 420. (See p. 18 for additional cost.)

MATHEMATICS CONCENTRATION

Mathematics teachers have the privilege of developing in their students an understanding of mathematics as a tool created by God and used by man to help quantify, predict, and explain the universe that He created. The study of mathematical laws and principles from a teacher-directed setting helps to develop critical thinking skills in students that can be used in all areas of life. Mathematics is much more than just studying numbers, equations, and geometry proofs. It is about using those skills to solve real-world problems. Therefore, scientists and engineers, along with many other professions, rely heavily on mathematics. Mathematics teachers help their students to search out the absolute mathematical laws that God created, understand them, and use them in service to Him.

Academic Program Fee

$57.75 per semester or 3 payments of $19.25 (p. 20)

Mathematics Concentration

Recommended Course Sequence

FRESHMAN

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	EN	126	English Grammar/Composition II	3
ED	101	Philosophy of Christian Education	3	MA	222	Calculus II	4
EN	121/123	English Grammar/ Composition I	3	SP	101	Fundamentals of Speech	3
MA	221	Calculus I[1]	4			Second Teaching Field	3
		Second Teaching Field	3				
		Total Hours	**16**			**Total Hours**	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
MA	326	Probability and Statistics	3	HI	101	History of Civilization	3
MA		Mathematics Elective[1]	3	MA	212	Mathematics for the Secondary School	3
SE	201	General Teaching Methods	3	MA	224	Discrete Mathematics	3
		Second Teaching Field	4			Second Teaching Field	4
SE	210	Secondary Education Practicum[2]	1	ED	211	Education Field Experience[3]	1
		Total Hours	**16**			**Total Hours**	**16**

[1]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-").
[2]Taken during Interterm. (See p. 18 for additional cost.)
[3]Taken during summer. (See p. 18 for additional cost.)
Highlighted text indicates a change from the original version of the Catalog.

JUNIOR

Fall

CR	370	Origins	2
ED	306	Computer Applications in Education[4]	1
MA	302	College Geometry	3
PY	211	College Physics I	4
SE	307	Teaching Mathematics	3
		Second Teaching Field	2
		Total Hours	**15**

Spring

BI	370	Worldview and Apologetics	2
ED	322	Educational Psychology	3
MA		Mathematics Elective[1]	3
PY	212	College Physics II	4
		Second Teaching Field	3
		Total Hours	**15**

SENIOR

BI	318	Biblical Poetry[5]	2
ED	301	Tests and Measurements[5]	1
ED	415	Adolescent Growth and Development[5]	3
ED	419	Teaching Internship Orientation[5, 6]	1
SE	420	Secondary Teaching Internship[5]	7
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
EN	210	Introduction to Literature	3
HI	102	History of Civilization	3
MA		Mathematics Elective[1]	3
		Second Teaching Field	2
		Total Hours	**13**

[1]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-").
[4]Students must meet CS 101 prerequisite by credit or proficiency.
[5]Scheduled by education department.
[6]Taken the Pre-term prior to SE 420. (See p. 18 for additional cost.)

PHYSICAL EDUCATION CONCENTRATION

Physical education is necessary to understand, use, and be a good steward of the human body that God created. Physical education teachers must aquire and instill in their students an understanding of physical health, exercise, movement, and the application to personal and group settings through sports. Sports also provide physical education teachers opportunities to teach biblical character principles of sportsmanship because whatever we do, it should be to the glory of God.

Academic Program Fee

$36.75 per semester or 3 payments of $12.25 (p. 20)

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

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
PE	184	Fall Team Sports	2
		Second Teaching Field	2
		Total Hours	**16**

Spring

BI	205	New Testament Introduction	2
ED	101	Philosophy of Christian Ed.	3
EN	126	English Grammar/Composition II	3
PE	187	Spring Team Sports	2
PE	191	Sports Physiology	2
PE	196	Introduction to Coaching	1
		Second Teaching Field	3
		Total Hours	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2
PE	226	Minor Sports	2
PE		Coaching Elective[1]	2
SE	201	General Teaching Methods	3
SP	101	Fundamentals of Speech	3
		Second Teaching Field	3
SE	210	Secondary Education Practicum[2]	1
		Total Hours	**16**

BI	252	Bible Doctrines II	2
HI	102	History of Civilization	3
PE	210	History, Principles, and Philosophy of Physical Education	2
PE	243/293	Weight Training	1
PE	314	Motor Learning	3
		Second Teaching Field	4
ED	211	Education Field Experience[3]	1
		Total Hours	**16**

JUNIOR

BI	370	Worldview and Apologetics	2
ED	306	Computer Applications in Education[4]	1
ED	322	Educational Psychology	3
PE	321	Kinesiology	2
PE	324	Care of Athletic Injuries	1
PE		Coaching Elective[1]	2
SE	317	Teaching Physical Education	3
		Total Hours	**14**

CR	370	Origins	2
PE	225	First Aid	2
PE	301	Organization and Administration of Physical Education	2
PE	368	Developing Fitness Programs	2
PE		Coaching Elective[1]	2
		Second Teaching Field	5
		Total Hours	**15**

SENIOR

BI	318	Biblical Poetry[5]	2
ED	301	Tests and Measurements[5]	1
ED	415	Adolescent Growth and Development[5]	3
ED	419	Teaching Internship Orientation[5, 6]	1
SE	420	Secondary Teaching Internship[5]	7
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
EN	210	Introduction to Literature	3
SC		Science Elective	3
		Second Teaching Field	4
		Total Hours	**15**

[1]May replace with EE 308 in junior or senior year
[2]Taken during Interterm. (See p. 18 for additional cost.)
[3]Taken during summer. (See p. 18 for additional cost.)
[4]Students must meet CS 101 prerequisite by credit or proficiency.
[5]Scheduled by education department.
[6]Taken the Pre-term prior to SE 420. (See p. 18 for additional cost.)
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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

$89.25 per semester or 3 payments of $29.75 (p. 20)

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
CL	110/111	Foundations for College Success	1	ED	101	Philosophy of Christian Education	3
EN	121/123	English Grammar/ Composition I	3	EN	126	English Grammar/Composition II	3
SP	101	Fundamentals of Speech	3			Second Teaching Field	3
		Second Teaching Field	3				
		Total Hours	**16**			**Total Hours**	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
MA	130	College Algebra II[1]	3	BY/CH/PY/SC		Science Elective	3
SC	211	Earth and Space	3	ED	306	Computer Applications in Education[3]	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[2]	1	ED	211	Education Field Experience[4]	1
		Total Hours	**15**			**Total Hours**	**16**

[1]If second field is math, student may begin with a higher-level MA course.
[2]Taken during Interterm. (See p. 18 for additional cost.)
[3]Students must meet CS 101 prerequisite by credit or proficiency.
[4]Taken during summer. (See p. 18 for additional cost.)

JUNIOR

Fall

CH	111	General Chemistry I 4
CR	370	Origins 2
HI	101	History of Civilization 3
PY	211	College Physics I 4
		Second Teaching Field 3
		Total Hours 16

Spring

BI	370	Worldview and Apologetics 2
CH	112	General Chemistry II 4
ED	322	Educational Psychology 3
PY	212	College Physics II 4
SE	308	Teaching Science 3
		Total Hours 16

SENIOR

BI	318	Biblical Poetry[5] 2
ED	301	Tests and Measurements[5] 1
ED	415	Adolescent Growth and Development[5] 3
ED	419	Teaching Internship Orientation[5, 6] 1
SE	420	Secondary Teaching Internship[5] 7
		Total Hours 14

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective 2
EN	210	Introduction to Literature 3
HI	102	History of Civilization 3
		Second Teaching Field or Electives 4
		Total Hours 12

[5]Scheduled by education department.
[6]Taken the Pre-term prior to SE 420. (See p. 18 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

$63 per semester or 3 payments of $21 (p. 20)

Second Teaching Field

Second-semester sophomores must pass a speech platform evaluation to be approved for a second teaching field in speech (p. 123). See Speech Repertoire (p. 120). 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
CL	110/111	Foundations for College Success	1	ED	101	Philosophy of Christian Education	3
EN	121/123	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	102	Introduction to Interpretive Speech	3
SP	101	Fundamentals of Speech	3			Second Teaching Field	2
		Second Teaching Field	2				
		Total Hours	**17**			**Total Hours**	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	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[2]	1
SE	210	Secondary Education Practicum[1]	1			**Total Hours**	**15**
		Total Hours	**16**				

JUNIOR

BI	370	Worldview and Apologetics	2	CR	370	Origins	2
ED	322	Educational Psychology	3	ED	306	Computer Applications in Education[3]	1
SP	304	Acting I	3	SE	309	Teaching Speech	3
SP	307	Introduction to Dramatic Production	4	SP	308	Fundamentals of Dramatic Production	4
SP	331	Private Speech Lessons	1	SP	332	Private Speech Lessons	1
		Second Teaching Field	3			Second Teaching Field	3
		Total Hours	**16**			**Total Hours**	**14**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Taken during summer. (See p. 18 for additional cost.)
[3]Students must meet CS 101 prerequisite by credit or proficiency.

SENIOR

Fall

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/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
Total Hours			**15**

Spring

BI	318	Biblical Poetry[4]	2
ED	301	Tests and Measurements[4]	1
ED	415	Adolescent Growth and Development[4]	3
ED	419	Teaching Internship Orientation[4, 5]	1
SE	420	Secondary Teaching Internship[4]	7
Total Hours			**14**

[4]Scheduled by education department.
[5]Taken the Pre-term prior to SE 420. (See p. 18 for additional cost.)

SECOND TEACHING FIELDS

ART

AR	101	Drawing I	3
AR	102	Drawing II	3
AR	120	Digital Design I	3
AR	201	Design Fundamentals I	3
AR	203	Basic Painting I	3
AR	204	Basic Painting II	3
AR	220	Digital Design II	3
SE	316	Teaching Art	3
Total Hours Required			**24**

ENGLISH

EN	251	British Literature[1]	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)[2]	3
SE	304	Teaching English	3
SE	321	Teaching Reading Skills for the Secondary Student	2
Total Hours Required			**23**

[1]Will replace EN 210 listed in the concentration.
[2]May take EN 291 in place of literature elective.

HISTORY

HI	201–2	United States History	6
HI	211	World Geography	3
HI	310	History of England	3
HI		History Elective (300- or 400-level)	3
PL	280	American Government	3
SE	306	Teaching History	3
SE	321	Teaching Reading Skills for the Secondary Student	2
Total Hours Required			**23**

MATHEMATICS

MA	212	Mathematics for the Sec. School	3
MA	221–22	Calculus I, II	8
MA	224	Discrete Mathematics	3
MA	302	College Geometry	3
PY	211	College Physics I	4
SE	307	Teaching Mathematics	3
Total Hours Required			**24**

MUSIC[1]

ED	351	Teaching Elementary Music 2
MU	101–2	Music Theory I, II 8
MU	226	Choral Methods 2
MU	131–332	Proficiency Materials & Methods . . . . 2 Private Lessons[2] 6
		Ensemble/Hymnplaying[3] 2
		Total Hours Required 22

[1]Second teaching field requirements (p. 110)
[2]Voice = VO 121/122, VO 231–332
[3]Voice/Instrumental = Ensemble, Piano = Hymnplaying

PHYSICAL EDUCATION*

PE	184	Fall Team Sports 2
PE	187	Spring Team Sports 2
PE	191	Sports Physiology 2
PE	196	Introduction to Coaching 1
PE	225	First Aid 2
PE	301	Organization and Administration of Physical Education 2
PE	314	Motor Learning 3
PE	321	Kinesiology 2
PE	324	Care of Athletic Injuries 1
PE		Coaching Electives 4
SE	317	Teaching Physical Education 3
		Total Hours Required 24

*Second teaching field requirements (p. 117)

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	Introduction to Interpretive 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. 121)

TECHNOLOGY EDUCATION

BA	330	Computer Applications for Business 3
CS	101	Introduction to Computer Applications 1
CS	131	Computer Hardware Foundations 3
CS	202	Introduction to Programming 3
CS	211	Introduction to Web Design 3
OA	101	Beginning Keyboarding 3
OA	150	Keyboarding Speed/ Accuracy Development 1
OA	201	Document Processing 3
OA	411	Desktop Publishing 3
SE	313	Teaching Technology 3
		Total Hours Required 26

Highlighted text indicates a change from the original version of the Catalog.

SPECIAL EDUCATION MAJOR
BACHELOR OF SCIENCE DEGREE

The purpose of the special 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 with a focus on special needs students.

Learning Outcomes

Graduates of the special 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 special education.
- demonstrate proficiency in the use of methods and materials appropriate for the traditional special education classroom.
- 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.
- exhibit the professional qualities required of successful teachers.

Academic Program Fee

$31.50 per semester or 3 payments of $10.50 (p. 20)

Special Education Major

Recommended Course Sequence

FRESHMAN

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	ED	102	Personal and Community Health	2
ED	101	Philosophy of Christian Education	3	EE	215	Arithmetic Skills for the Elementary School	2
EN	121/123	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	SC	111	Fundamentals of Biology	3
		Total Hours	**15**			**Total Hours**	**15**

SOPHOMORE

Fall

BI	251	Bible Doctrines I	2
ED	260	Introduction to Special Education	3
EE	201	Materials and Methods	3
EE	205	Intensive Phonics Instruction	2
HI	201	United States History	3
SC	112	Human and Cell Biology	3
ED	216	Special Education Practicum[1]	1
		Total Hours	**17**

Spring

BI	252	Bible Doctrines II	2
ED	362	Classroom and Behavior Management	3
EE	317	Teaching Reading	2
EN	210	Introduction to Literature	3
HI	202	United States History	3
ED	211	Education Field Experience[2]	1
		Total Hours	**14**

JUNIOR

BI		Bible Elective	2
ED	361	Instructional Methods for Exceptional Learners	3
ED	413	Child Growth and Development	3
ED	461	Characteristics of Learning Disabilities	3
EE	301	Teaching Arithmetic	2
EE	311	Teaching Penmanship	1
EE	321	Teaching Science and History	2
		Total Hours	**16**

BI	370	Worldview and Apologetics	2
ED	306	Computer Applications in Education[3]	1
ED	363	Family and Professional Partnerships	3
ED	364	Special Education Assessment and Planning	3
ED	462	Characteristics of Emotional and Behavioral Disorders	3
EE	306	Teaching Art and Music	1
EE	325	Teaching Language Arts	2
EE	330	Teaching Bible	2
		Total Hours	**17**

SENIOR

ED	419	Teaching Internship Orientation[4,5]	1
ED	469	Special Education Teaching Internship[4]	12
		Total Hours	**13**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
CR	370	Origins	2
ED	301	Tests and Measurements	1
ED	322	Educational Psychology	3
EE	412	Children's Literature	2
MA		Mathematics Elective	3
		Total Hours	**13**

[1]Taken during Interterm. (See p. 18 for additional cost.)
[2]Taken during summer. (See p. 18 for additional cost.)
[3]Students must meet CS 101 prerequisite by credit or proficiency.
[4]Scheduled by education department.
[5]Taken the Pre-term prior to ED 469. (See p. 18 for additional cost.)

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**, each of which offers undergraduate degrees. The nursing department also offers a graduate degree.

127–142 Engineering and Computer Science Department

143–159 Humanities Department

160–176 Natural Sciences Department

177–184 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

Associate of Science

128 Computing Major
- **129** Information Technology Concentration

Bachelor of Science

130 Computing Major

Concentrations:
- **131** Computer Science
- **133** Cybersecurity
- **135** Information Technology

137 Engineering Major

Concentrations:
- **139** Electrical
- **141** Mechanical

207, 210 Minors

Computer Science, Cybersecurity, Web Development

65 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
ASSOCIATE OF SCIENCE DEGREE

The purpose of the Associate of Science degree in Computing is to equip students with foundational knowledge and skills necessary to enter today's computing job market or continued study in the field of computing along with application of biblical principles within their profession.

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.
- **Lifelong Learning**—advance intellectually through activities such as continuing education or industry certification.

Learning Outcomes

Graduates of the two-year computing program will demonstrate the following outcomes:

- **Problem Solving**—analyze a broadly defined problem in the program's domain and apply principles of the discipline to identify solutions.
- **Technical Skill**—design and implement solutions 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.
- **Teamwork**—function effectively as a member of a team engaged in activities appropriate to the program's discipline.

(Additional learning outcomes are listed for each concentration.)

INFORMATION TECHNOLOGY CONCENTRATION

The purpose of the information technology concentration is to prepare students with foundational knowledge and skills for technology-related employment. Students demonstrate competent ability in various computer subjects along with completing coursework to prepare for multiple industry-standard certifications.

Additional Learning Outcome

Graduates of the information technology concentration will also demonstrate the following outcome:

- **User Goals**—utilize established approaches to apply, integrate, and administer secure computing technologies to accomplish user goals.

This two-year degree program trains students interested in obtaining basic skills to transition to the work environment. Academic requirements in the program also apply to the bachelor of science degree should a student desire to continue after two years. Special emphasis is given toward earning multiple entry-level certifications. The program includes additional preparation in basic technology skills, such as programming, web design, computer repair, networking, and computer security.

High School Preparation

Recommended high school preparation for an information technology concentration is 1 unit 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.

Certification

Coursework in this program helps train and prepare students to earn three of CompTIA's entry-level certifications: A+, Network+, and Security+.

Academic Program Fee

$136.50 per semester or 3 payments of $45.50 (p. 20)

Information Technology Concentration

Recommended Course Sequence

FIRST YEAR

Fall				Spring			
BI	105	Old Testament Introduction	2	BI	205	New Testament Introduction	2
CL	110/111	Foundations for College Success	1	CS	132	Computer Software Foundations	3
CS	131	Computer Hardware Foundations	3	CS	211	Introduction to Web Design	3
CS	202	Introduction to Programming	3	CS	212	Object-Oriented Programming	3
EN	121/123	English Grammar/ Composition I	3	EN	126	English Grammar/Composition II	3
MA	121/123	College Algebra I	3				
Total Hours			**15**	**Total Hours**			**14**

Highlighted text indicates a change from the original version of the Catalog.

SECOND YEAR

Fall

BI	251	Bible Doctrines I	2
CS	271	Computer Security	3
CS	344	Networks I	3
CS		Computer Science Elective[1]	3
		Elective	3
		Total Hours	**14**

Spring

BI	252	Bible Doctrines II	2
CS	272	Cybersecurity	3
SP	101	Fundamentals of Speech	3
		Social Science Elective[2]	3
		Electives	6
		Total Hours	**17**

[1]Must be 200-level or above.
[2]Elective courses (p. 50)

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.
- **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.
- **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.

Students complete a minor in mathematics through their required mathematics support courses. Computer science 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.

Certifications

Coursework in this program helps prepare students for the hardware component of the CompTIA A+ as well as Network+ certifications. Elective coursework is available to help prepare for the software component of the CompTIA A+ certification.

Academic Program Fee

$147 per semester or 3 payments of $49 (p. 20)

Computer Science Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
CS	131	Computer Hardware Foundations	3
CS	202	Introduction to Programming	3
EN	121/123	English Grammar/ Composition I	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BI	205	New Testament Introduction	2
CS	212	Object-Oriented Programming	3
EN	126	English Grammar/Composition II	3
HI	101	History of Civilization	3
MA	221	Calculus I	4
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
CS	227	Data Structures and Algorithms	3
CS	271	Computer Security	3
CS	344	Networks I	3
HI	102	History of Civilization	3
MA	326	Probability and Statistics	3
		Total Hours	**17**

BI	252	Bible Doctrines II	2
CS	346	Networks II	3
EN	210	Introduction to Literature	3
MA	222	Calculus II	4
MA	224	Discrete Mathematics	3
		Total Hours	**15**

JUNIOR

CR	370	Origins	2
CS	303	Database I	3
CS	321	Assembler Language Programming	3
CS	351	Software Engineering I	3
CS	353	Introduction to Artificial Intelligence	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

BI		Bible Elective	2
CS	431	Theory of Computation	3
CS	451	Software Engineering Project I	3
MA	241	Applied Linear Algebra	3
PY	211	College Physics I[1]	4
		Total Hours	**15**

BA	403	Business Communications	3
CS	400	Computing Internship **or**	
CS	401	Computer Science Seminar	1
CS	452	Software Engineering Project II	3
PR	411	Biblical Ethics	3
SP	410	Oral Communication in the Professions	2
		Social Science Elective[2]	3
		Total Hours	**15**

[1]May take PY 231 in place of PY 211.
[2]Elective courses (p. 50)
Highlighted text indicates a change from the original version of the Catalog.

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 Outcome

Graduates of the cybersecurity concentration will also demonstrate the following outcome:

- **Security**—apply security principles and practices to maintain 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.

Certifications

Coursework in this program helps prepare students for the Certified Ethical Hacker and CompTIA Network+ and Security+ certifications and for the hardware component of the CompTIA A+ certification. Elective coursework is available to help prepare for the software component of the CompTIA A+ certification.

Academic Program Fee

$141.75 per semester or 3 payments of $47.25 (p. 20)



Cybersecurity Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
CS	131	Computer Hardware Foundations	3
CS	202	Introduction to Programming	3
EN	121/123	English Grammar/ Composition I	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BI	205	New Testament Introduction	2
CS	212	Object-Oriented Programming	3
EN	126	English Grammar/Composition II	3
HI	101	History of Civilization	3
MA	131	College Trigonometry	3
		Total Hours	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2
CS	227	Data Structures and Algorithms	3
CS	271	Computer Security	3
CS	344	Networks I	3
CS	373	Computer System Administration	3
		Total Hours	**14**

BI	252	Bible Doctrines II	2
CS	272	Cybersecurity	3
CS	346	Networks II	3
CS		Computer Science Elective[1]	3
MA	326	Probability and Statistics	3
		Minor or Elective	2
		Total Hours	**16**

JUNIOR

CR	370	Origins	2
CS	303	Database I	3
CS	376	Introduction to Applied Cryptography	3
CS	471	Information Security Management	3
MA	224	Discrete Mathematics	3
		Total Hours	**14**

BI	370	Worldview and Apologetics	2
CS	326	Operating Systems	3
CS	331	Python Programming[2] **or**	
CS	361	Java Programming[3] **or**	
CS	364	.NET Programming	3
CS	379	Ethical Hacking and Penetration Testing	3
HI	102	History of Civilization	3
		Minor or Elective	2
		Total Hours	**16**

SENIOR

BA	403	Business Communications	3
BI		Bible Elective	2
CS	351	Software Engineering I	3
CS	472	Digital Forensics	3
SC		Science Elective	3
		Minor or Elective	2
		Total Hours	**16**

CS	400	Computing Internship **or**	
CS	401	Computer Science Seminar	1
CS	478	Cybersecurity Capstone Project	3
EN	210	Introduction to Literature	3
PR	411	Biblical Ethics	3
SP	410	Oral Communication in the Professions	2
		Social Science Elective[4]	3
		Total Hours	**15**

[1]Must be 200-level or above.
[2]Offered fall odd.
[3]Offered fall even.
[4]Elective courses (p. 50)

Highlighted text indicates a change from the original version of the Catalog.

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. A management minor is recommended. 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.

Certifications

Coursework in this program helps prepare students for the hardware and software components of the CompTIA A+ as well as Network+ certifications.

Academic Program Fee

$141.75 per semester or 3 payments of $47.25 (p. 20)

Information Technology Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
CS	131	Computer Hardware Foundations	3
CS	202	Introduction to Programming	3
EN	121/123	English Grammar/ Composition I	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BI	205	New Testament Introduction	2
CS	132	Computer Software Foundations	3
CS	212	Object-Oriented Programming	3
EN	126	English Grammar/Composition II	3
MA	130	College Algebra II	3
		Total Hours	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2
CS	227	Data Structures and Algorithms	3
CS	271	Computer Security	3
HI	101	History of Civilization	3
MA	216	Introduction to Statistical Reasoning **or**	
MA	326	Probability and Statistics	3
		Total Hours	**14**

BI	252	Bible Doctrines II	2
CS	211	Introduction to Web Design	3
CS		Computer Science Elective[1]	3
HI	102	History of Civilization	3
MA	330	Data Analytics	3
		Total Hours	**14**

JUNIOR

CR	370	Origins	2
CS	303	Database I	3
CS	331	Python Programming **or**	
CS	361	Java Programming	3
CS	333	Human-Computer Interaction	3
CS	344	Networks I	3
		Minor or Elective	2
		Total Hours	**16**

BI	370	Worldview and Apologetics	2
CS	306	Database II	3
CS	346	Networks II	3
CS	364	.NET Programming	3
CS	400	Computing Internship **or**	
CS	401	Computer Science Seminar	1
EN	210	Introduction to Literature	3
		Total Hours	**15**

SENIOR

BA	403	Business Communications	3
BI		Bible Elective	2
CS	351	Software Engineering I	3
CS	373	Computer System Administration	3
CS		Computer Science Elective[1]	3
		Minor or Elective	2
		Total Hours	**16**

CS	414	Systems Design	3
PR	411	Biblical Ethics	3
SC		Science Elective	3
SP	410	Oral Communication in the Professions	2
		Minor or Elective	2
		Social Science Elective[2]	3
		Total Hours	**16**

[1]Must be 200-level or above.

[2]Elective courses (p. 50)

Highlighted text indicates a change from the original version of the Catalog.

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.
- **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.

- **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 under the commission's General Criteria and Program Criteria for Engineering Programs.

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.

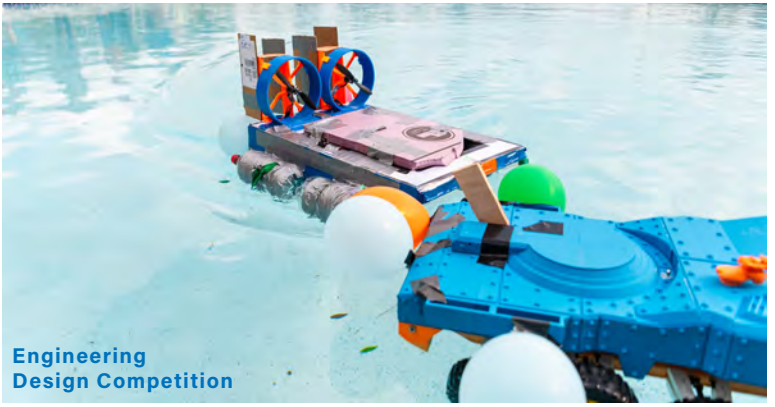
Students not prepared to enter directly into the engineering curriculum will be able to make up certain deficiencies. In this case, time required to complete an engineering degree could be expected to increase.

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. Residence hall living space is not provided for married students or their families.

Certification

Coursework in this program helps prepare students for the Fundamentals of Engineering (FE) exam.



Engineering Design Competition

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.
- **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

$215.25 per semester or 3 payments of $71.75 (p. 20)

Electrical Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CH	111	General Chemistry I	4
CL	110/111	Foundations for College Success	1
EG	210	Programming for Engineers	2
EN	121/123	English Grammar/ Composition I	3
MA	221	Calculus I	4
		Total Hours	**16**

Spring

BI	205	New Testament Introduction	2
EL	148	Introduction to Microprocessors	3
EN	126	English Grammar/Composition II	3
MA	222	Calculus II	4
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
EG	205	Statics	3
EL	223	Circuits I	4
MA	322	Differential Equations	3
PY	231	General Physics I	4
		Total Hours	**16**

BI	252	Bible Doctrines II	2
EL	224	Circuits II	4
HI	101	History of Civilization	3
MA	321	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	Digital Logic Design	3
MA	326	Probability and 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	354	Embedded Systems	2
HI	102	History of Civilization	3
		Total Hours	**17**

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**

EL	426	Automatic Control Systems	3
EL	446	Analog VLSI Design	3
EL	450	Electrical Engineering Design	3
EN	210	Introduction to Literature	3
MI	403	Cultural Anthropology **or**	
PR	306	Interpersonal Relationships **or**	
PR	415	Marriage and Family Education	3
		Total Hours	**15**

*Students must take one of the following: EG 341, MA 241, or MA 343.

Highlighted text indicates a change from the original version of the Catalog.

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.
- **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.

Mathematics may be claimed as a minor by completing one additional 3-credit mathematics elective (MA 224 or higher; EG 341 counts as a mathematics elective).

Certification

Coursework in this program prepares students for the Certified Manufacturing Technologist (CMfgT) certification.

Academic Program Fee

$215.25 per semester or 3 payments of $71.75 (p. 20)

Mechanical Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
CH	111	General Chemistry I 4
CL	110/111	Foundations for College Success 1
EG	103	Engineering Orientation 2
EN	121/123	English Grammar/ Composition I. 3
MA	221	Calculus I 4
Total Hours		. . . . . **16**

Spring

BI	205	New Testament Introduction 2
EG	106	Engineering Graphics 2
EG	201	Materials Science 3
EN	126	English Grammar/Composition II . . . 3
MA	222	Calculus II 4
SP	101	Fundamentals of Speech 3
Total Hours		. . . . . **17**

SOPHOMORE

BI	251	Bible Doctrines I 2
EG	205	Statics. 3
EG	210	Programming for Engineers. 2
MA	321	Calculus III. 4
PY	231	General Physics I. 4
Total Hours		. . . . . **15**

BI	252	Bible Doctrines II. 2
BI		Bible Elective 2
EG	206	Mechanics of Materials 3
EG	208	Dynamics. 3
MA	322	Differential Equations 3
PY	232	General Physics II 4
Total Hours		. . . . . **17**

JUNIOR

EG	321	Electrical Circuits 4
MA	326	Probability and Statistics 3
ME	301	Thermodynamics. 3
ME	331	Manufacturing Engineering 3
ME	412	Machine Design I 3
Total Hours		. . . . . **16**

CR	370	Origins 2
EG	324	Electrical Systems. 3
ME	308	Fluid Mechanics 3
ME	310	Kinematic Design of Planar Mechanisms. 3
ME	407	Heat Transfer 3
ME	413	Machine Design II. 3
Total Hours		. . . . . **17**

SENIOR

BI	370	Worldview and Apologetics. 2
EG	425	Engineering Economics and Professional Issues 3
HI	101	History of Civilization. 3
ME	405	Automatic Control Systems 3
ME	415	Vibrations. 3
Total Hours		. . . . . **14**

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
MI	403	Cultural Anthropology **or**
PR	306	Interpersonal Relationships **or**
PR	415	Marriage and Family Education 3
Total Hours		. . . . . **16**

Highlighted text indicates a change from the original version of the Catalog.

HUMANITIES DEPARTMENT

Division of Arts and Sciences

Dr. Marie Thompson, Chair

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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.

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 the 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.
- 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

$21 per semester or 3 payments of $7 (p. 20)

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	104	Organization and Management of Criminal Justice	3
CJ	106	Basic Criminal Investigation	3	CJ	105	Theory of Patrol	3
CL	110/111	Foundations for College Success	1	CJ	108	Criminal Law	3
EN	121/123	English Grammar/ Composition I	3	CJ	145	Traffic Control Practicum	1
MA		Mathematics Elective	3	EN	126	English Grammar/Composition II	3
		Total Hours	**15**	PE	160/170	Swimming/Physical Fitness	1
						Total Hours	**16**

SECOND YEAR

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
CJ	216	Criminology	3	CJ	212	Criminal Procedure	3
CJ	217	Corrections	3	CJ	213	Juvenile Delinquency	3
CJ	311	Security	3	PL	280	American Government	3
PE	225	First Aid	2	SP	101	Fundamentals of Speech	3
		Elective	2				
		Total Hours	**15**			**Total Hours**	**14**

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.

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.
- communicate effectively in written and oral presentations.

(Additional learning outcomes are listed for each concentration.)

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 artistic 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.

LITERARY STUDIES CONCENTRATION

The purpose of the literary studies concentration is for students to learn biblical discernment as they are exposed to literary works and authors who best exhibit the ideas and characteristics of their times.

Additional Learning Outcomes

Graduates of the literary studies concentration will also be able to

- analyze literature in light of the Bible, the meaning of the text, and the work's historical and biographical context.
- synthesize research findings to effectively substantiate claims in academic prose.

Since stories morally influence society, Christians need to develop a biblical view of art, ethics, and truth in relation to literature. The literary studies student learns to evaluate the philosophical and cultural contexts of literary pieces before applying that knowledge to meaningful discourse. This development of research skills, literary knowledge, and critical-thinking abilities prepares students for a variety of professions.

To complete a Spanish minor, students must take ML 421 in addition to minor requirements (p. 210).

Academic Program Fee

$10.50 per semester or 3 payments of $3.50 (p. 20)

Literary Studies Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

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	251	Bible Doctrines I	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	252	Bible Doctrines II	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[1]	3
CR	370	Origins	2
EN	302	Copy Editing	3
EN		Literature Electives (300- or 400-level)	6
		Total Hours	**14**

BI	370	Worldview and Apologetics	2
BL/ML		Foreign Language Elective[1]	3
EN	315	Shakespeare	3
EN		Literature Electives (300- or 400-level)	6
		Minor or Elective	2
		Total Hours	**16**

SENIOR

BI		Bible Elective	2
BL/ML		Foreign Language Elective[1]	3
EN	405	Milton	3
EN	441	Senior Literature Research Project	3
		Social Science Elective[2]	3
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
BL/ML		Foreign Language Elective[1]	3
ED	430	Instructional Methods	2
EN	423	The Classics of Western Literature	3
EN		Literature Elective (300- or 400-level)	3
		Minor or Elective	3
		Total Hours	**16**

[1]All hours of required foreign language need to be earned in the same language.
[2]Elective courses (p. 50)

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.

Additional Learning Outcomes

Graduates of the professional writing concentration will also be able to

- demonstrate proficiency in composing and editing traditional genres of poetry and prose that communicate a clear message in harmony with the 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.
- exhibit professional skills and behaviors necessary to compete in the field of professional writing.

Vast amounts of information are transmitted through written words. The need has never been greater for dedicated Christians to produce text for print and digital publications. The professional writing concentration helps students develop and refine editorial, 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

$73.50 per semester or 3 payments of $24.50 (p. 20)



Professional Writing Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
BL/ML		Foreign Language Elective* 3
CL	110/111	Foundations for College Success 1
EN	121/123	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* 3
CS	101	Intro. to Computer Applications 1
EN	126	English Grammar/Composition II . . . 3
HI	102	History of Civilization 3
MA		Mathematics Elective 3
		Total Hours 15

SOPHOMORE

BI	251	Bible Doctrines I 2
EN	251	British Literature 3
EN	291	Writing and Research in Literary Studies 3
EN	301	Creative Writing 3
EN	360	Advanced English Grammar and Composition 3
		Total Hours 14

AR	120	Digital Design I 3
BA	220	Business English 3
BI	252	Bible Doctrines II 2
EN	252	American Literature 3
PW	299	Sophomore Writing Ability Evaluation 0
PW	331	Poetry Writing 3
		Minor or Elective 2
		Total Hours 16

JUNIOR

CR	370	Origins 2
EN	302	Copy Editing 3
EN		Literature Elective (300- or 400-level) 3
PW	325	Journalism I 3
PW	401	Fiction Writing 3
		Minor or Elective 2
		Total Hours 16

BI	370	Worldview and Apologetics 2
EN		Literature Elective (300- or 400-level) 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	Editing for Publication 3
PW	408	Writing for Publication 3
PW	422	Professional Writing Internship 2
		Minor or Elective 3
		Total Hours 14

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

HISTORY MAJOR
BACHELOR OF ARTS DEGREE

The purpose of the history major is for students to study the record of both God's actions in human affairs and humanity'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 the 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.
- 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. 210).

Academic Program Fee

$10.50 per semester or 3 payments of $3.50 (p. 20)

History Major

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

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 Elective	3
		Total Hours	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2
EN	210	Introduction to Literature	3
HI	201	United States History	3
HI	211	World Geography	3
SC		Science Elective	3
		Minor or Elective	2
		Total Hours	**16**

BI	252	Bible Doctrines II	2
HI	200	Introduction to Historical Studies	3
HI	202	United States History	3
HI		History Elective (300- or 400-level)	3
PL	207	Introduction to Political Science	3
		Total Hours	**14**

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
		Total Hours	**16**

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
		Total Hours	**15**

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	280	American Government	3
		Total Hours	**14**

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
		Total Hours	**16**

*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 their world with biblical understanding of government and society.

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.
- produce informative empirical and normative research.

The primary responsibility of government is to safeguard its citizens and maintain law and order. To this end, a comprehensive understanding of the United States constitutional system is essential for students studying political science. This knowledge enables them to advocate for justice and freedom while also taking an active role in shaping public policy.

Through the development of research, writing, and critical thinking skills, students learn to examine politics and government at a professional level. They refine these skills through courses that analyze political thought, communication, and institutional development—all from a traditional, biblical perspective. While some graduates go on to earn advanced degrees, others pursue careers in politics, law, journalism, and education.

History cannot be claimed as a minor.

Academic Program Fee

$15.75 per semester or 3 payments of $5.25 (p. 20)

Political Science Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA	125	Mathematics for Liberal Arts	3
PL	101	American Political Heritage	3
		Total Hours	**15**

Spring

BI	205	New Testament Introduction	2
CS	101	Introduction to Computer Applications	1
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
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
CO	234	Introduction to Communication Theory	3
EN	360	Advanced English Grammar and Composition	3
HI	201	United States History	3
PL	280	American Government	3
		Total Hours	**14**

BI	252	Bible Doctrines II	2
EN	210	Introduction to Literature	3
HI	202	United States History	3
PL	292	Research and Writing in Political Science	2
PL		Political Science Elective	3
SP	250	Public Speaking	3
		Total Hours	**16**

JUNIOR

BI	370	Worldview and Apologetics	2
BL/ML		Foreign Language Elective*	3
CO	335	Persuasion	3
PL	402	Ancient and Medieval Political Philosophy	3
PL		Political Science Elective	3
		Minor or Elective	2
		Total Hours	**16**

BL/ML		Foreign Language Elective*	3
CR	370	Origins	2
PL	356	American Constitutional Law	3
PL	403	Modern Political Philosophy	3
		Minor or Elective	3
		Total Hours	**14**

SENIOR

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
HI	300	History and Principles of Free-Market Economics	3
PL	407	Political Science Research Methods	3
PL		Political Science Elective	3
SC		Science Elective	3
		Minor or Elective	2
		Total Hours	**16**

BI		Bible Elective	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
PL	441	Senior Seminar in Political Science	3
PL		Political Science Elective	3
		Minor or Elective	3
		Total Hours	**14**

*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. This broad approach will equip students with the knowledge and skills for a variety of opportunities thereby preparing students 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 the biblical worldview.
- demonstrate effective writing skills in a variety of disciplines.

In an increasingly specialized world, the humanities degree offers the opportunity to develop critical thinking in a variety of disciplines. Students take courses traditionally associated with the humanities, resulting in a broad education that provides the foundation for further graduate studies or professional programs. Additionally, the humanities degree includes elective hours allowing students to explore options or specialize through choosing a minor.

To complete a Spanish minor, students must take ML 421 in addition to minor requirements (p. 210). Students may not declare English as a minor.

Academic Program Fee

$26.25 per semester or 3 payments of $8.75 (p. 20)



Humanities Major

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
		Minor or Elective	3
		Total Hours	**15**

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
		Total Hours	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2
BL/ML		Foreign Language Elective*	3
EN	210	Introduction to Literature	3
HI	201	United States History	3
SC		Science Elective	3
		Total Hours	**14**

BI	252	Bible Doctrines II	2
BL/ML		Foreign Language Elective*	3
EN	251	British Literature	3
MU	213	Appreciation of Fine Arts	3
SC		Science Elective	3
		Total Hours	**14**

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
		Total Hours	**16**

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	280	American Government	3
		Minor or Elective	2
		Total Hours	**16**

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
		Total Hours	**16**

EN	423	The Classics of Western Literature	3
PR	411	Biblical Ethics	3
		Minor or Electives	9
		Total Hours	**15**

*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 comprehensive education in the arts and sciences. Emphasizing research and writing, this wide-ranging approach provides a path to success in law school and in the legal profession.

Learning Outcomes

Graduates of the pre-law emphasis will be able to

- analyze information from a variety of disciplines using the biblical worldview.
- compose clear arguments in written and oral forms.
- 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, Constitutional law, 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

$10.50 per semester or 3 payments of $3.50 (p. 20)



Pre-Law Emphasis

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

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
HI	199	Pre-Law Orientation	1
		Total Hours	**15**

SOPHOMORE

AC	231	Principles of Accounting I	3
BI	251	Bible Doctrines I	2
BL/ML		Foreign Language Elective[1]	3
EN	210	Introduction to Literature	3
HI	201	United States History	3
PL	280	American Government	3
		Total Hours	**17**

AC	232	Principles of Accounting II	3
BA	306	Business Law	3
BI	252	Bible Doctrines II	2
BL/ML		Foreign Language Elective[1]	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[2]	3
		Total Hours	**15**

BI	370	Worldview and Apologetics	2
CJ	212	Criminal Procedure	3
CJ	310	Rules of Evidence	2
EN	251	British Literature	3
EN	360	Advanced English Grammar and Composition	3
PL	356	American Constitutional Law	3
		Total Hours	**16**

SENIOR

BI		Bible Elective	2
EN	301	Creative Writing	3
EN	418	World Drama **or**	
EN	423	The Classics of Western Literature	3
HI	411	World History since 1900	3
PL	426	Moot Court	3
		Total Hours	**14**

BA	442	Advanced Business Law **or**	
PR	411	Biblical Ethics	3
HI	412	World History since 1900	3
PL	303	State and Local Government	3
SC		Science Elective	3
		Total Hours	**12**

[1]All hours of required foreign language need to be earned in the same language.
[2]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 the 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.
- relate knowledge to practical experience in various areas of the criminal justice system.

The criminal justice major focuses on the relationship among criminal justice agencies, offenders, and victims. Courses include theories and facts about the nature and cause of crime; analysis of operations of various 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 students as they apply for positions in either public or private agencies and organizations 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. PCC 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

$26.25 per semester or 3 payments of $8.75 (p. 20)

Criminal Justice Major

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CJ	101	Introduction and Orientation to Criminal Justice	3
CJ	106	Basic Criminal Investigation	3
CL	110/111	Foundations for College Success	1
CS	101	Intro. to Computer Applications	1
EN	121/123	English Grammar/ Composition I	3
MA		Mathematics Elective	3
		Total Hours	**16**

Spring

BI	205	New Testament Introduction	2
CJ	104	Organization and Management of Criminal Justice	3
CJ	105	Theory of Patrol	3
CJ	108	Criminal Law	3
CJ	145	Traffic Control Practicum	1
EN	126	English Grammar/Composition II	3
		Total Hours	**15**

SOPHOMORE

BI	251	Bible Doctrines I	2
CJ	216	Criminology	3
CJ	217	Corrections	3
HI	101	History of Civilization	3
PE	160/170	Swimming/Physical Fitness	1
SC		Science Elective	3
		Total Hours	**15**

BI	252	Bible Doctrines II	2
CJ	212	Criminal Procedure	3
CJ	213	Juvenile Delinquency	3
EN	210	Introduction to Literature	3
SP	101	Fundamentals of Speech	3
		Total Hours	**14**

JUNIOR

BI	370	Worldview and Apologetics	2
CJ	301	Community Relations	3
CJ	311	Security	3
PL	280	American Government	3
PS	217	Dynamics of Human Behavior	3
		Minor or Elective	2
		Total Hours	**16**

CJ	302	Parole and Probation	3
CJ	306	Criminal Justice Research	3
CJ		Criminal Justice Elective	3
CJ		Criminal Justice Practicum*	2
CR	370	Origins	2
PE	225	First Aid	2
		Total Hours	**15**

SENIOR

BI		Bible Elective	2
CJ	421	Criminal Justice Ethics	3
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
PR	415	Marriage and Family Education	3
		Minor or Elective	3
		Total Hours	**14**

CJ	310	Rules of Evidence	2
CJ	404	Victims in Criminal Justice	3
CJ	448	Senior Criminal Justice Seminar	1
HI	102	History of Civilization	3
PL	356	American Constitutional Law	3
		Minor or Elective	3
		Total Hours	**15**

*See p. 18 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.

NATURAL SCIENCES DEPARTMENT

Division of Arts and Sciences

Dr. Aresia Watson, Chair

Undergraduate Degrees

Bachelor of Science

161 Mathematics Major

163 Natural Sciences Major

Concentrations:

- **163** Biology
- **166** Cell and Molecular Biology
- **168** Chemistry

Emphases:

- **170** Pre-Medicine
- **172** Pre-Pharmacy
- **174** Pre-Physical Therapy

207–208 Minors

Biology, Chemistry, Mathematics

111, 116, 119, 122–123 Teaching Fields

Biology, Mathematics, Science



The **natural sciences department** teaches students to appreciate the order and complexity of God's creation as revealed through mathematics and the natural sciences. Students gain strong foundations in biology, chemistry, physics, and mathematics while developing analytical and technical skills essential for today's mathematical, scientific, and healthcare fields.

Our programs provide rigorous preparation in math and science supported by the liberal arts, equipping graduates for technical, laboratory, and analytical roles and preparing them for advanced study in science and healthcare. Mathematics students also strengthen their foundation for graduate work or related careers. The department also offers general science courses, including astronomy, fundamentals of biology, and science and apologetics, that meet liberal arts requirements.

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.
- 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

$63 per semester or 3 payments of $21 (p. 20)

Mathematics Major

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
CL	110/111	Foundations for College Success 1
CS	202	Introduction to Programming 3
EN	121/123	English Grammar/ Composition I. 3
MA	221	Calculus I 4
SP	101	Fundamentals of Speech 3
		Total Hours 16

Spring

BI	205	New Testament Introduction 2
CS		Programming Elective 3
EN	126	English Grammar/Composition II . . . 3
MA	222	Calculus II 4
MA	224	Discrete Mathematics 3
		Total Hours 15

SOPHOMORE

BI	251	Bible Doctrines I 2
EN	210	Introduction to Literature 3
MA	321	Calculus III. 4
PY	231	General Physics I. 4
		Minor or Elective 3
		Total Hours 16

BI	252	Bible Doctrines II. 2
MA	299	Introduction to Mathematical Research and Writing 2
MA	322	Differential Equations. 3
MA	326	Probability and Statistics 3
PY	232	General Physics II 4
		Total Hours 14

JUNIOR

BI	370	Worldview and Apologetics. 2
EG	341	Numerical Methods for Engineering 3
HI	101	History of Civilization 3
MA	303	Linear Algebra 3
MA	343	Mathematics of Complex Variables. 3
		Total Hours 14

CR	370	Origins 2
HI	102	History of Civilization 3
MA	405	Geometry. 3
MA	432	Advanced Calculus. 3
		Minor or Electives 4
		Total Hours 15

SENIOR

BI		Bible Elective 2
ED	430	Instructional Methods 2
MA	400	History of Mathematics. 3
MA	426	Introduction to Mathematical Statistics 3
MA	441	Abstract Algebra I. 3
		Minor or Elective 2
		Total Hours 15

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective 2
MA	407	Applied Mathematics. 3
MA	442	Abstract Algebra II 3
MA	499	Mathematics Capstone Seminar 2
		Social Science Elective* 3
		Minor or Elective 2
		Total Hours 15

*Elective courses (p. 50)

Highlighted text indicates a change from the original version of the Catalog.

NATURAL SCIENCES MAJOR
BACHELOR OF SCIENCE DEGREE

The purpose of the natural sciences major is to provide a strong background in science that encompasses a traditional, liberal arts education from a Christian perspective founded on the understanding that God created all things in six literal days approximately 6,000 years ago and that prepares 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 scientific methodologies and communicate scientific findings.
- use the biblical worldview to critique scientific claims and conclusions.
- apply biblical principles to support decisions regarding ethical issues.

(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 and field 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. 207).

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

$162.75 per semester or 3 payments of $54.25 (p. 20)



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
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
MA	130	College Algebra II	3
		Total Hours	**17**

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
		Total Hours	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2
BY	221	Zoology	4
CH	211	Organic Chemistry I	4
HI	101	History of Civilization	3
SP	101	Fundamentals of Speech	3
		Total Hours	**16**

BI	252	Bible Doctrines II	2
BY	222	Botany	4
CH	212	Organic Chemistry II	4
HI	102	History of Civilization	3
SC	299	Research Methods	2
		Total Hours	**15**

JUNIOR

BY	331	Genetics	4
CR	370	Origins	2
MA	216	Introduction to Statistical Reasoning **or**	
MA	326	Probability and Statistics	3
PY	211	College Physics I	4
		Minor or Elective	1
		Total Hours	**14**

BI	370	Worldview and Apologetics	2
BY		Biology Elective (300- or 400-level)[1]	4
EN	210	Introduction to Literature	3
PY	212	College Physics II	4
		Total Hours	**13**

SENIOR

BI		Bible Elective	2
BY	323	Ecology	4
BY		Biology Elective (300- or 400-level)	4
ED	430	Instructional Methods	2
SC	430	Professional Issues in the Sciences	3
		Total Hours	**15**

		BI/BB/BC/MI/PR Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
BY	422	Cell Biology	4
BY	450	Biotechnology	3
SC	499	Senior Research Seminar	2
		Social Science Elective[2]	3
		Total Hours	**14**

[1]CH 306 Biochemistry may be taken as a BY elective.
[2]Elective courses (p. 50)
Highlighted text indicates a change from the original version of the Catalog.

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.

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

$162.75 per semester or 3 payments of $54.25 (p. 20)

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
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
SP	101	Fundamentals of Speech	3
		Total Hours	**17**

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
		Total Hours	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2
BY	331	Genetics	4
CH	211	Organic Chemistry I	4
MA	221	Calculus I	4
		Total Hours	**14**

BI	252	Bible Doctrines II	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
MA	326	Probability and Statistics	3
PY	211	College Physics I[1]	4
		Social Science Elective[2]	3
		Total Hours	**15**

BY	342	Developmental Biology	4
CH	306	Biochemistry	4
CR	370	Origins	2
PY	212	College Physics II[1]	4
		Total Hours	**14**

SENIOR

BI		Bible Elective	2
BY	449	Molecular Biology	3
BY/CH		Elective (300- or 400-level)	4
EN	210	Introduction to Literature	3
SC	430	Professional Issues in the Sciences	3
		Total Hours	**15**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
BY	422	Cell Biology	4
BY	450	Biotechnology	3
BY/CH		Elective (300- or 400-level)	4
SC	499	Senior Research Seminar	2
		Total Hours	**15**

[1]May take PY 231–232 in place of PY 211–212.

[2]Elective courses (p. 50)

Highlighted text indicates a change from the original version of the Catalog.

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. 208).

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

$152.25 per semester or 3 payments of $50.75 (p. 20)

Chemistry Concentration

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CH	111	General Chemistry I	4
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
MA	221	Calculus I	4
		Total Hours	**14**

Spring

BI	205	New Testament Introduction	2
CH	112	General Chemistry II	4
EN	126	English Grammar/Composition II	3
MA	222	Calculus II	4
SP	101	Fundamentals of Speech	3
		Total Hours	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2
CH	211	Organic Chemistry I	4
MA	321	Calculus III	4
PY	231	General Physics I	4
		Total Hours	**14**

BI	252	Bible Doctrines II	2
CH	212	Organic Chemistry II	4
MA	326	Probability and Statistics	3
PY	232	General Physics II	4
SC	299	Research Methods	2
		Total Hours	**15**

JUNIOR

BY	111	General Biology I	4
CH	321	Physical Chemistry I	4
CH	432	Instrumental Analysis	4
CR	370	Origins	2
HI	101	History of Civilization	3
		Total Hours	**17**

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	2
		Total Hours	**15**

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
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
CH	315	Analytical Chemistry	4
CH	412	Organic Chemistry III	4
SC	499	Senior Research Seminar	2
		Social Science Elective*	3
		Total Hours	**15**

*Elective courses (p. 50)

Highlighted text indicates a change from the original version of the Catalog.

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. 207).

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

$152.25 per semester or 3 payments of $50.75 (p. 20)

Physician Assistant (PA) School Affiliation Agreement

PCC has partnered with Cedarville University to provide a pathway for students to receive a preferred admission review for the Master of Medical Science in PA Studies program by meeting conditions of the specific agreement. General eligibility requirement include minimum cumulative 3.00 GPA, a grade of "B-" or higher in all prerequisite courses, and 750 hours of paid (or 1,000 volunteer hours) of clinical patient care experience. Contact the Chair of Natural Sciences for specific requirements.

Pre-Medicine 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
CL	110/111	Foundations for College Success	1	EN	126	English Grammar/Composition II	3
EN	121/123	English Grammar/ Composition I	3	SP	101	Fundamentals of Speech	3
		Total Hours	**14**			**Total Hours**	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
BY	311	Anatomy and Physiology I	4	BY	306	General Microbiology	4
CH	211	Organic Chemistry I	4	BY	312	Anatomy and Physiology II	4
MA	221	Calculus I	4	CH	212	Organic Chemistry II	4
		Total Hours	**14**			**Total Hours**	**14**

JUNIOR

BI	370	Worldview and Apologetics	2	BY	422	Cell Biology	4
BY	331	Genetics	4	CH	306	Biochemistry	4
PS	211	Introduction to Psychology	3	PS	409	Abnormal Psychology	3
PY	211	College Physics I[1]	4	PY	212	College Physics II[1]	4
SC	231	Sociology for Health Professionals	3	SC	392	Pre-Health Preparation Seminar	1
		Total Hours	**16**			**Total Hours**	**16**

SENIOR

BI		Bible Elective	2	CR	370	Origins	2
BY/CH		Elective (300- or 400-level)[2]	3	EN	210	Introduction to Literature	3
HI	101	History of Civilization	3	HI	102	History of Civilization	3
MA	326	Probability and Statistics	3			Minor or Electives	6
PR	411	Biblical Ethics	3				
		Minor or Elective	2				
		Total Hours	**16**			**Total Hours**	**14**

[1]May take PY 231–232 in place of PY 211–212.

[2]SC 442 Pharmacology may be taken to fulfill this requirement; BY 450 Biotechnology may not be taken to fulfill this requirement.

Highlighted text indicates a change from the original version of the Catalog.

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.

Admission to pharmacy school in the United States is selective. Pharmacy schools admit students who demonstrate the skills and knowledge necessary to succeed 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. 207).

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

$152.25 per semester or 3 payments of $50.75 (p. 20)

Pharmacy School Affiliation Agreements

PCC 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 (93 total credits), including all liberal arts requirements, and one year (minimum of 27 semester hours) from an accredited pharmacy school. This option allows completion of both the bachelor's and Pharm.D. degrees in as few as 6 or 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
CL	110/111	Foundations for College Success	1	EN	126	English Grammar/Composition II	3
EN	121/123	English Grammar/ Composition I	3	SP	101	Fundamentals of Speech	3
Total Hours			**14**	**Total Hours**			**16**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	2
CH	211	Organic Chemistry I	4	BY	306	General Microbiology	4
HI	101	History of Civilization	3	CH	212	Organic Chemistry II	4
MA	221	Calculus I	4	HI	102	History of Civilization	3
MA	326	Probability and Statistics	3	SC	242	Basics of Pharmacy Practice	2
Total Hours			**16**	**Total Hours**			**15**

Highlighted text indicates a change from the original version of the Catalog.

JUNIOR

Fall				Spring			
BI		Bible Elective	2	BI	370	Worldview and Apologetics	2
BY	311	Anatomy and Physiology I	4	BY	312	Anatomy and Physiology II	4
BY	331	Genetics	4	CH	306	Biochemistry	4
CR	370	Origins	2	EN	210	Introduction to Literature	3
PY	211	College Physics I*	4	PR	411	Biblical Ethics	3
		Total Hours	**16**			**Total Hours**	**16**

SENIOR

HI	300	History and Principles of Free-Market Economics	3	PS	409	Abnormal Psychology	3
PS	211	Introduction to Psychology	3	PY	212	College Physics II*	4
SC	218	Elements of Nutrition	3	SC	392	Pre-Health Preparation Seminar	1
SC	231	Sociology for Health Professionals	3	SC	442	Pharmacology	4
		Minor or Elective	1	SP	410	Oral Communication in the Professions	2
		Total Hours	**13**			**Total Hours**	**14**

*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. Admission to a Master of Athletic Training or Exercise Science program is also competitive. Students interested in entering these career fields will be academically prepared and follow similar guidelines as provided above.

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

$136.50 per semester or 3 payments of $45.50 (p. 20)

Affiliation/Articulation Agreements

Graduates of PCC who meet published admission criteria will automatically receive preference points and be eligible for the admission process for Southwest Baptist University's Doctor of Physical Therapy (D.P.T.) program. General eligibility requirements include prescribed undergraduate coursework, minimum cumulative 3.00 GPA, and a grade of "C" or higher in all prerequisite courses with a minimum 3.25 prerequisite GPA. Contact the Chair of Natural Sciences for specific requirements.

PCC has also partnered with Cedarville University to provide a pathway for students who meet published admission criteria to receive a guaranteed interview to their Master of Athletic Training (M.A.T.) program. 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
CL	110/111	Foundations for College Success	1	EN	126	English Grammar/Composition II	3
EN	121/123	English Grammar/ Composition I	3	SP	101	Fundamentals of Speech	3
		Minor or Elective	2				
		Total Hours	**16**			**Total Hours**	**16**

SOPHOMORE

BI	251	Bible Doctrines I	2	BI	252	Bible Doctrines II	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
		Total Hours	**15**			**Total Hours**	**14**

Highlighted text indicates a change from the original version of the Catalog.

JUNIOR

Fall

CR	370	Origins 2
EN	210	Introduction to Literature 3
MA	216	Introduction to Statistical Reasoning **or**
MA	326	Probability and Statistics[1] 3
PY	211	College Physics I 4
SC	231	Sociology for Health Professionals 3
SC	351	Physical Therapy Observation Internship[2, 3] 1

Total Hours 16

Spring

BI	370	Worldview and Apologetics 2
BY	306	General Microbiology 4
OA	221	Anatomical Terminology I 3
PY	212	College Physics II 4
SC	352	Physical Therapy Observation Internship[2, 4] 1
SC	392	Pre-Health Preparation Seminar 1

Total Hours 15

SENIOR

BI		Bible Elective 2
BY	441	Exercise Physiology 4
BY	443	Exercise Prescription[5] 3
BYL	443	Exercise Prescription Lab[5] 1
PE	324	Care of Athletic Injuries 1
PS	323	Developmental Psychology 3

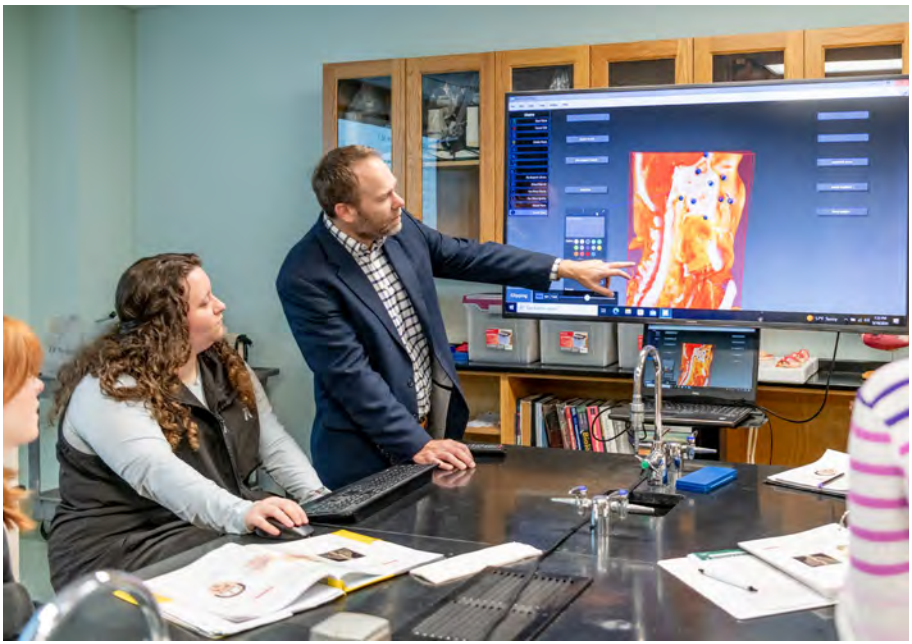
Total Hours 14

BY	442	Biomechanics 4
PE	225	First Aid 2
PE	321	Kinesiology 2
PR	411	Biblical Ethics 3
PS	409	Abnormal Psychology 3

Total Hours 14

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[1]Must meet MA 131 prerequisite.
[2]Requires minimum 2.75 GPA. Students who do not meet the prerequisite must take PE 191 in place of SC 351/352. May be replaced with SC 461/462 with approval of Chair of Natural Sciences.
[3]Taken during Interterm. (See p. 18 for additional cost.)
[4]May be taken during summer. (See p. 18 for additional cost if taken during summer.)
[5]Students planning to attend a physical therapy school that requires a course in genetics may choose to take BY 331 Genetics (4 credits) instead.
Highlighted text indicates a change from the original version of the Catalog.



NURSING DEPARTMENT

Division of Arts and Sciences

Dr. Heather Hartkopf, Chair

Undergraduate Degree

Bachelor of Science in Nursing

178 **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.
- demonstrate the personal and professional skills necessary to obtain licensure and enter the nursing profession.

The 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.ccneaccreditation.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 63 (66 if taken prior to April 26, 2023), 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. Residence hall living space is not provided 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 121/123 English Grammar and Composition I or EN 126 English Grammar and Composition II online during Interterm or summer (see p. 18 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 display advanced verbal skills through the communication of ideas. 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 I, CH 107 Principles of Chemistry, MA 121/ 123 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. A student may take a pre-nursing preparatory course once and repeat it once for a total of two times. A maximum of two pre-nursing preparatory courses may be repeated.

Nursing students receiving an unsatisfactory grade of "D," "F," "WP," or "WF" are considered to have failed the nursing or psychology course. A student may take a nursing or psychology course once and repeat it once for a total of two times. Upon the academic failure of two of the following courses—NU 190, 207, 226, 290, 390, junior- and senior-level clinical courses, and PS 323—a formal evaluation will occur to determine whether the student can continue in the nursing program. This evaluation will be conducted by the Nursing Practice Committee and will consider academic performance along with performance on standardized tests.

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 will be required to pass NU 490 NCLEX-RN Review to graduate with a nursing major. The grade in this course is determined by a combination of quizzes, tests, assignments, and standardized assessments.

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, and annual influenza vaccinations. Local healthcare facilities require confirmation that these requirements have been met before students can complete clinicals or

preceptorships. Vaccination waivers granted as part of PCC admission are not accepted. 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

$157.50 per semester or 3 payments of $52.50 (p. 20)

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. 18–21).

One-Year Pre-Nursing

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
BY	105	Principles of Biology 4
CH	107	Principles of Chemistry 4
CL	110/111	Foundations for College Success 1
EN	121/123	English Grammar/ Composition I 3
HI	101	History of Civilization **or**
HI	102	History of Civilization 3
		Total Hours **17**

Spring

BI	205	New Testament Introduction 2
BY	201	General Anatomy & Physiology I 4
EN	126	English Grammar/Composition II . . . 3
MA	121/123	College Algebra I 3
NU	128	Introduction to Nursing Practice 1
SP	101	Fundamentals of Speech 3
		Total Hours **16**

Nursing Major

Recommended Course Sequence

SOPHOMORE

BI	251	Bible Doctrines I 2
BY	202	General Anatomy & Physiology II . . . 4
NU	203	Foundations of Professional Nursing 4
NUL	203	Foundations of Professional Nursing Clinical 1
NU	214	Pharmacology 2
NU	215	Physical Assessment 2
NU	218	Nutrition 1
		Total Hours **16**

BI	252	Bible Doctrines II 2
BY	206	Microbiology 4
NU	207	Beginning Medical-Surgical Nursing 4
NUL	207	Beginning Medical-Surgical Nursing Clinical 1
NU	210	Nursing Informatics 1
NU	226	Pathophysiology 3
NU	314	Advanced Pharmacology 1
		Total Hours **16**

JUNIOR

BI	370	Worldview and Apologetics 2
NU	305	Maternity Nursing 4
NUL	305	Maternity Nursing Clinical 2
NU	306	Psychiatric-Mental Health Nursing 3
NUL	306	Psychiatric-Mental Health Nursing Clinical 2
PS	206	General Psychology 1
PS	323	Developmental Psychology 3
		Total Hours **17**

BI		Bible Elective 2
CR	370	Origins 2
NU	307	Medical-Surgical Nursing 4
NUL	307	Medical-Surgical Nursing Clinical 2
NU	308	Pediatric Nursing 3
NUL	308	Pediatric Nursing Clinical 2
		Total Hours **15**

SENIOR

NU	401	Community Health Nursing 3
NUL	401	Community Health Nursing Clinical 2
NU	406	Nursing Research and Statistics 3
NU	407	Adv. Medical-Surgical Nursing 3
NUL	407	Advanced Medical-Surgical Nursing Clinical 2
PR	306	Interpersonal Relationships **or**
PR	415	Marriage and Family Education 3
		Total Hours **16**

EN	210	Introduction to Literature 3
NU	408	Preceptorship 6
NU	410	Issues and Trends in Professional Nursing 2
NU	412	Senior Nursing Seminar 2
NU	490	NCLEX-RN Review 2
		Total Hours **15**

Two-Year Pre-Nursing

Recommended Course Sequence

FIRST YEAR

Fall

BI	105	Old Testament Introduction	2
BY	105	Principles of Biology	4
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization **or**	
HI	102	History of Civilization	3
		Total Hours	**13**

Spring

BI	205	New Testament Introduction	2
BY	201	General Anatomy & Physiology I	4
EN	126	English Grammar/Composition II	3
MA	121/123	College Algebra I	3
		Total Hours	**12**

SECOND YEAR

BI	251	Bible Doctrines I	2
BI		Bible Elective	2
BY	202	General Anatomy & Physiology II	4
CH	107	Principles of Chemistry	4
		Total Hours	**12**

BI	252	Bible Doctrines II	2
BY	206	Microbiology	4
EN	210	Introduction to Literature	3
NU	128	Introduction to Nursing Practice	1
SP	101	Fundamentals of Speech	3
		Total Hours	**13**

Nursing Major

Recommended Course Sequence

THIRD YEAR

CR	370	Origins	2
NU	203	Foundations of Professional Nursing	4
NUL	203	Foundations of Professional Nursing Clinical	1
NU	214	Pharmacology	2
NU	215	Physical Assessment	2
NU	218	Nutrition	1
		Total Hours	**12**

BI	370	Worldview and Apologetics	2
NU	207	Beginning Medical-Surgical Nursing	4
NUL	207	Beginning Medical-Surgical Nursing Clinical	1
NU	210	Nursing Informatics	1
NU	226	Pathophysiology	3
NU	314	Advanced Pharmacology	1
		Total Hours	**12**

FOURTH YEAR

NU	305	Maternity Nursing	4
NUL	305	Maternity Nursing Clinical	2
NU	306	Psychiatric-Mental Health Nursing	3
NUL	306	Psychiatric-Mental Health Nursing Clinical	2
PS	206	General Psychology	1
PS	323	Developmental Psychology	3
		Total Hours	**15**

NU	307	Medical-Surgical Nursing	4
NUL	307	Medical-Surgical Nursing Clinical	2
NU	308	Pediatric Nursing	3
NUL	308	Pediatric Nursing Clinical	2
PR	306	Interpersonal Relationships **or**	
PR	415	Marriage and Family Education	3
		Total Hours	**14**

FIFTH YEAR

Fall

NU 401	Community Health Nursing	3
NUL 401	Community Health Nursing Clinical	2
NU 406	Nursing Research and Statistics	3
NU 407	Advanced Medical-Surgical Nursing	3
NUL 407	Advanced Medical-Surgical Nursing Clinical	2
Total Hours		**13**

Spring

NU 408	Preceptorship	6
NU 410	Issues and Trends in Professional Nursing	2
NU 412	Senior Nursing Seminar	2
NU 490	NCLEX-RN Review	2
Total Hours		**12**



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**, which both offer undergraduate and graduate degrees.

186–195 Performing Arts Department

196–205 Visual Arts Department



Dr. Amy Bombard
Dean of Visual and Performing Arts



PERFORMING ARTS DEPARTMENT

Division of Visual and Performing Arts

Dr. Jonathan McIntyre, Chair

Undergraduate Degrees

Bachelor of Arts

187 Music Major
with Instrumental, Keyboard, and Vocal Emphases

193 Performance Studies Major

208–210 Minors
Music, Performance Studies, Strategic Communication

65–66 Missions Broad Fields
Music, Speech

105, 120, 123 Teaching Fields
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 the biblical worldview.
- produce public music performances showing appropriate proficiency.
- demonstrate a working knowledge of harmonic principles, form and analysis, and aural skills.
- employ pedagogical techniques for music students of various levels.

Training tomorrow's music teachers, church musicians, and performers, PCC offers a distinctively Christian education in music. Students will gain practical knowledge, personal instruction, and experience in all areas of music.

Music students 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 Bible studies, church, 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 dedicated 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, sophomore platform, and senior 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 prioritize church music or classical music for their private lessons.

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.

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 Secondary Piano.

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 semesters of private lessons

Minors: after passing sophomore music platform

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

$47.25 per semester or 3 payments of $15.75 (instrumental emphasis is $52.50 per semester or 3 payments of $17.50). Students taking music lessons and group instruction must pay appropriate music course fees (p. 20).

Music Minor

Requirements are on pages 208–209. 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 (p. 188).

Music Education

Major (pp. 105–109); second teaching field (p. 123)



Music Major with Instrumental Emphasis

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
CL	110/111	Foundations for College Success 1
EN	121/123	English Grammar/ Composition I 3
MU	101	Music Theory I 4
MU	121	Vocal Class I 1
ST	141	Orchestra 1
ST	201	Strings Instruction I 1
		Private Instrument 1
		Total Hours 14

Spring

BI	205	New Testament Introduction 2
EN	126	English Grammar/Composition II . . . 3
MU	102	Music Theory II 4
SP	101	Fundamentals of Speech 3
ST	142	Orchestra 1
		Private Instrument 1
		Total Hours 14

SOPHOMORE

BI	251	Bible Doctrines I 2
CS/MA/SC		Computer Science/Mathematics/ Science Elective 3
MU	201	Music Theory III 4
MU	226	Choral Methods 2
PI	211	Secondary Piano 1
ST	241	Orchestra 1
		Private Instrument 1
		Total Hours 15

BI	252	Bible Doctrines II 2
MA		Mathematics Elective 3
MU	202	Music Theory IV 4
MU	337	Instrumental Church Music Arranging 2
PI	212	Secondary Piano 1
ST	242	Orchestra 1
		Private Instrument 1
		Minor or Elective 1
		Total Hours 15

JUNIOR

CR	370	Origins 2
HI	101	History of Civilization 3
MU	231	Piano Accompaniment 1
MU	301	History of Music 3
MU	315	Elements of Conducting 2
MU	441/447	Survey of Instrumental/ String Literature 3
ST	341	Orchestra 1
		Private Instrument 1
		Total Hours 16

BI	370	Worldview and Apologetics 2
HI	102	History of Civilization 3
MU	302	History of Music 3
MU	310	Choral Writing and Arranging 2
MU	329	Advanced Music Theory 2
MU	401	Counterpoint 2
ST	342	Orchestra 1
		Private Instrument 1
		Total Hours 16

SENIOR

BI		Bible Elective 2
ML		Modern Language[1] 3
MU	402	Church Music Philosophy and Administration 2
SC		Science Elective 3
ST	441	Orchestra 1
		Private Instrument 1
		Minor or Elective 3
		Social Science Elective[2] 3
		Total Hours 15

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective 2
EN	210	Introduction to Literature 3
ML		Modern Language[1] 3
MU	312	Instrumental Materials/Methods 2
MU	418	Orchestration 2
ST	442	Orchestra 1
		Private Instrument/Recital 1
		Minor or Elective 1
		Total Hours 15

[1]All hours of required foreign language need to be earned in the same language. Latin may not be taken to satisfy language requirements.

[2]Elective courses (p. 50)

Music Major with Keyboard Emphasis

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction 2
CL	110/111	Foundations for College Success 1
EN	121/123	English Grammar/ Composition I 3
MU	101	Music Theory I 4
MU	121	Vocal Class I 1
PI	121	Private Piano 1
ST	201	Strings Instruction I 1
		Ensemble 1
		Total Hours 14

Spring

BI	205	New Testament Introduction 2
EN	126	English Grammar/Composition II 3
MU	102	Music Theory II 4
PI	122	Private Piano 1
SP	101	Fundamentals of Speech 3
		Ensemble 1
		Total Hours 14

SOPHOMORE

BI	251	Bible Doctrines I 2
CS/MA/SC		Computer Science/Mathematics/ Science Elective 3
MU	201	Music Theory III 4
MU	233	Hymn Keyboard Skills I 2
PI	221	Private Piano 1
		Ensemble 1
		Social Science Elective[1] 3
		Total Hours 16

BI	252	Bible Doctrines II 2
HI	101	History of Civilization 3
MU	202	Music Theory IV 4
MU	230	Piano Accompanying 1
MU	234	Hymn Keyboard Skills II 2
PI	222	Private Piano 1
		Ensemble 1
		Minor or Elective 1
		Total Hours 15

JUNIOR

CR	370	Origins 2
HI	102	History of Civilization 3
MU	226	Choral Methods 2
MU	301	History of Music 3
MU	443	Survey of Piano Literature 3
PI	151	Accompaniment Practicum 1
PI	321	Private Piano 1
		Minor or Elective 1
		Total Hours 16

BI	370	Worldview and Apologetics 2
MU	302	History of Music 3
MU	310	Choral Writing and Arranging 2
MU	329	Advanced Music Theory 2
MU	401	Counterpoint 2
MU	418	Orchestration 2
PI	152	Accompaniment Practicum 1
PI	322	Private Piano 1
		Total Hours 15

SENIOR

BI		Bible Elective 2
EN	210	Introduction to Literature 3
ML		Modern Language[2] 3
MU	335	Piano Materials and Methods 2
MU	402	Church Music Philosophy and Administration 2
OR	131	Private Organ 1
PI	421	Private Piano 1
		Ensemble 1
		Total Hours 15

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective 2
MA		Mathematics Elective 3
ML		Modern Language[2] 3
MU	336	Piano Materials and Methods 2
MU	484	Private Piano/Recital 1
SC		Science Elective 3
		Ensemble 1
		Total Hours 15

[1]Elective courses (p. 50)

[2]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
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
MU	101	Music Theory I	4
ST	201	Strings Instruction I	1
VO	121	Vocal Instruction	1
		Ensemble	1
		Minor or Elective	3
		Total Hours	**16**

Spring

BI	205	New Testament Introduction	2
EN	126	English Grammar/Composition II	3
MU	102	Music Theory II	4
SP	101	Fundamentals of Speech	3
VO	122	Vocal Instruction	1
		Ensemble	1
		Total Hours	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2
ML		Modern Language[1]	3
MU	201	Music Theory III	4
MU	214	Principles of Lyric Diction	3
PI	211	Secondary Piano	1
VO	221	Private Voice	1
		Ensemble	1
		Total Hours	**15**

BI	252	Bible Doctrines II	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
ML		Modern Language[1]	3
MU	202	Music Theory IV	4
PI	212	Secondary Piano	1
VO	222	Private Voice	1
		Ensemble	1
		Total Hours	**15**

JUNIOR

CR	370	Origins	2
HI	101	History of Civilization	3
MU	231	Piano Accompaniment	1
MU	301	History of Music	3
MU	327	Voice Materials and Methods	2
MU	445	Survey of Song Literature	3
VO	321	Private Voice	1
		Ensemble	1
		Total Hours	**16**

BI	370	Worldview and Apologetics	2
HI	102	History of Civilization	3
MU	226	Choral Methods	2
MU	302	History of Music	3
MU	313	Communication in Song	1
MU	329	Advanced Music Theory	2
VO	322	Private Voice	1
		Ensemble	1
		Total Hours	**15**

SENIOR

BI		Bible Elective	2
EN	210	Introduction to Literature	3
MU	310	Choral Writing and Arranging	2
MU	402	Church Music Philosophy and Administration	2
VO	421	Private Voice	1
		Ensemble	1
		Social Science Elective[2]	3
		Total Hours	**14**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
MA		Mathematics Elective	3
MU	418	Orchestration	2
MU	486	Private Voice/Recital	1
SC		Science Elective	3
		Ensemble	1
		Minor or Elective	3
		Total Hours	**15**

[1]All hours of required foreign language need to be earned in the same language. Latin may not be taken to satisfy language requirements.

[2]Elective courses (p. 50)

PERFORMANCE STUDIES MAJOR
BACHELOR OF ARTS DEGREE

The purpose of the performance studies major is to train students to honor the Lord through effective communication with an audience.

Learning Outcomes

Graduates of the performance studies program will be able to

- develop a repertoire that reflects the 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.
- stage platform presentations which are aesthetically pleasing.

The performance studies major prepares students for fields in which clear communication is vital. Students develop their ability to think creatively and logically, build a healthy and dependable vocal technique, and master their verbal and non-verbal communication skills. Students will be prepared to serve the Lord as communicators in ministry and professional settings/vocations.

Interpretation of dramatic literature is a hallmark of the performance studies program. Students grow as actors through the study of characterization and narration, learn design and technical skills equipping them to support dramatic productions behind the scenes, and get hands-on practice directing other students in dramatic scenes. Students combine these skills through involvement in dramatic productions in venues both large and small. With this creative and practical degree, students can choose from a variety of career options in performance, education, ministry, and public relations or enter graduate school to specialize in a chosen field.

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.

Speech Repertoire

Students enrolled in performance studio are required to enroll in SP 999 Speech Repertoire.

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

$42 per semester or 3 payments of $14 (p. 20)

Minor

Requirements are on page 209. 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. 66, platform evaluation and recital not required)

Speech Education

Concentration (p. 120); second teaching field (p. 123)



Performance Studies Major

Recommended Course Sequence

FRESHMAN

Fall

BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
MA		Mathematics Elective	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

BI	205	New Testament Introduction	2
EN	126	English Grammar/Composition II	3
HI	102	History of Civilization	3
SP	102	Introduction to Interpretive Speech	3
SP	151	Philosophy of Christian Performance	3
		Total Hours	**14**

SOPHOMORE

BI	251	Bible Doctrines I	2
BL/ML		Foreign Language[1]	3
SP	201	Voice and Diction	2
SP	203	Oral Interpretation of Poetry	2
SP	240	Stagecraft	3
SP	245	Performance Studio	1
		Minor or Elective	2
		Total Hours	**15**

BI	252	Bible Doctrines II	2
BL/ML		Foreign Language[1]	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
SP	246	Performance Studio	1
		Total Hours	**15**

JUNIOR

BI	370	Worldview and Apologetics	2
SP	250	Public Speaking	3
SP	304	Acting I	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	308	Fundamentals of Dramatic Production	4
SP	342	Performance Studio	1
SP	400	Scriptwriting	3
SP	404	Acting II	3
		Minor or Elective	3
		Total Hours	**16**

SENIOR

BI		Bible Elective	2
EN	418	World Drama	3
SC		Science Elective	3
SP	402	Advanced Interpretation	3
SP	441	Performance Studio	1
		Minor or Elective	3
		Total Hours	**15**

BI/BB/BC/MI/PR		Bible/Bible Background/ Biblical Counseling/Missions/ Practical Training Elective	2
CS/MA/SC		Computer Science/Mathematics/ Science Elective	3
ED	430	Instructional Methods	2
SP	435	Solo Performance Recital	1
		Social Science Elective[2]	3
		Minor or Elective	3
		Total Hours	**14**

[1]All hours of required foreign language need to be earned in the same language.
[2]Elective courses (p. 50)

VISUAL ARTS DEPARTMENT

Division of Visual and Performing Arts

Mr. Greg Hewitt, Chair

Undergraduate Degrees

Associate of Science

197 Visual Arts Major
Concentrations:
- **197** Graphic Design
- **199** Media Arts

Bachelor of Science

201 Visual Arts Major
Concentrations:
- **202** Graphic Design
- **204** Studio Art

207–208, 210 Minors
Digital Media, Graphic Design, Studio Art

65 Missions Broad Fields
Art, Digital Media, Graphic Design

122 Second Teaching Field
Art

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
ASSOCIATE OF SCIENCE DEGREE

The purpose of the Associate of Science degree in Visual Arts is to produce Christian visual communicators with the basic knowledge and skills necessary for entry-level work or continued academic study.

GRAPHIC DESIGN CONCENTRATION

The purpose of the graphic design concentration is to equip students with the basic knowledge and skills necessary for entry-level work or continued academic study in the field of graphic design.

Learning Outcomes

Graduates of the two-year graphic design concentration will be able to

- identify a distinctly Christian-traditional philosophy of art.
- recognize historical trends in artistic theory and practice.
- demonstrate technical competence in the use of appropriate media.
- develop visual compositions using traditional design principles.
- create visual works that communicate a clear message.
- use research and development processes to solve visual problems.
- exhibit skills and behaviors necessary to compete in their chosen visual communication field.
- develop works demonstrating competence in the areas of typography, layout, and visual problem solving for pursuing vocational opportunities in the graphic design field.

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

$126 per semester or 3 payments of $42 (p. 20)

Graphic Design Concentration

Recommended Course Sequence

FIRST YEAR

Fall				Spring			
AR	111	Drawing for the Designer	3	AR	202	Design Fundamentals II	3
AR	120	Digital Design I	3	AR	220	Digital Design II	3
AR	201	Design Fundamentals I	3	BI	205	New Testament Introduction	2
BI	105	Old Testament Introduction	2	EN	126	English Grammar/Composition II	3
CL	110/111	Foundations for College Success	1	SP	101	Fundamentals of Speech	3
EN	121/123	English Grammar/ Composition I	3				
		Total Hours	**15**			**Total Hours**	**14**

SECOND YEAR

AR	218	Photography I	3	AR	268	Graphic Design II	3
AR	245	Typography	3	AR	311	UX/UI Design	3
AR	267	Graphic Design I	3	AR	348	History of Illustration and Graphic Design	3
BI	251	Bible Doctrines I	2	AR		Graphic Design Elective[2]	3
MA		Mathematics Elective	3	BI	252	Bible Doctrines II	2
		Social Science Elective[1]	3				
		Total Hours	**17**			**Total Hours**	**14**

[1]Elective courses (p. 50)
[2]Elective to be chosen from: AR 250 or 308.

MEDIA ARTS CONCENTRATION

The purpose of the media arts concentration is to equip students with the basic knowledge and skills necessary for entry-level work or continued academic study in the field of digital media.

Learning Outcomes

Graduates of the media arts concentration will be able to

- identify a distinctly Christian-traditional philosophy of media.
- demonstrate competence in the use of appropriate media technologies.
- develop works using professional production workflows.
- use research and development processes to identify and solve communication challenges.
- create audio and visual works that communicate clear messages.
- exhibit skills and behaviors necessary to compete in their chosen media-related field.
- develop works demonstrating competence in the areas of photography, audio, and video production for pursuing vocational opportunities in media.

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

$199.50 per semester or 3 payments of $66.50 (p. 20)

Media Arts Concentration

Recommended Course Sequence

FIRST YEAR

Fall

AR	120	Digital Design I	3
AR	241	Introduction to the Mass Media	3
BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
SP	101	Fundamentals of Speech	3
		Total Hours	**15**

Spring

AR	218	Photography I	3
AR	220	Digital Design II	3
BI	205	New Testament Introduction	2
EN	126	English Grammar/Composition II	3
SP	201	Voice and Diction	2
		Total Hours	**13**

SECOND YEAR

AR	233	Media Technology	3
AR	308	Photography II	3
BI	251	Bible Doctrines I	2
MA		Mathematics Elective	3
PW		Writing Elective[1]	3
		Social Science Elective[2]	3
		Total Hours	**17**

AR	243	Audio Production	3
AR	324	Video Production	3
AR	333	Motion Graphics	3
AR		Media Elective[3]	3
BI	252	Bible Doctrines II	2
		Elective	1
		Total Hours	**15**

[1]Elective to be chosen from: PW 301 or 325.
[2]Elective courses (p. 50)
[3]Elective to be chosen from: AR 309, 311, or 364.



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.
- analyze historical trends in artistic theory and practice.
- demonstrate technical proficiency in the use of appropriate media.
- develop visual compositions using traditional design principles.
- create conceptual visual works that communicate a clear message.
- use professional research and development processes to solve visual problems.
- exhibit professional skills and behaviors necessary to excel 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 proficiency in the areas of typography, layout, and visual problem solving in a variety of media sufficient for pursuing professional opportunities in the graphic design 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

$147 per semester or 3 payments of $49 (p. 20)

Missions Broad Field

Graphic design (p. 65, portfolio exhibit not required)

Graphic Design Concentration

Recommended Course Sequence

FRESHMAN

Fall

AR	111	Drawing for the Designer	3
AR	120	Digital Design I	3
AR	201	Design Fundamentals I	3
BI	105	Old Testament Introduction	2
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
		Total Hours	**15**

Spring

AR	202	Design Fundamentals II	3
AR	220	Digital Design II	3
BI	205	New Testament Introduction	2
EN	126	English Grammar/Composition II	3
SP	101	Fundamentals of Speech	3
		Total Hours	**14**

SOPHOMORE

AR	245	Typography	3
AR	250	Intro. to Digital Illustration	3
AR	267	Graphic Design I	3
BI	251	Bible Doctrines I	2
HI	101	History of Civilization	3
		Total Hours	**14**

AR	218	Photography I	3
AR	254	3-D Design Fundamentals	3
AR	268	Graphic Design II	3
AR	348	History of Illustration and Graphic Design	3
BI	252	Bible Doctrines II	2
HI	102	History of Civilization	3
		Total Hours	**17**

JUNIOR

AR	227	History of Art	3
AR	233	Media Technology	3
AR	311	UX/UI Design	3
AR	325	Publication Design	3
BI	370	Worldview and Apologetics	2
MA		Mathematics Elective	3
		Total Hours	**17**

AR	228	History of Art	3
AR	324	Video Production	3
AR	326	Publication Practicum	3
AR	402	Interactive Design	3
CR	370	Origins	2
AR	346	Graphic Design Internship[1]	3
		Total Hours	**17**

SENIOR

AR	420	Advertising Design I	3
AR	440	Portfolio	3
AR		Graphic Design Elective[2]	3
BI		Bible Elective	2
SC		Science Elective	3
		Total Hours	**14**

AR	421	Advertising Design II	3
AR	450	Directed Studio	3
AR	498	Senior Graphic Design Portfolio Exhibit	0
EN	210	Introduction to Literature	3
MI	403	Cultural Anthropology **or**	
PR	306	Interpersonal Relationships **or**	
PR	415	Marriage and Family Education	3
		Total Hours	**12**

[1]Interterm, Post-term, or summer at an approved off-campus site. (See p. 18 for additional cost.)
[2]Elective to be chosen from: AR 308, 309, 310, 355, 364, or 403.

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 proficiency 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

$105 per semester or 3 payments of $35 (p. 20)

Second Teaching Field

Art (p. 122, portfolio exhibit not required)

Missions Broad Field

Art (p. 65, 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
CL	110/111	Foundations for College Success	1
EN	121/123	English Grammar/ Composition I	3
HI	101	History of Civilization	3
		Total Hours	**15**

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
		Total Hours	**14**

SOPHOMORE

AR	120	Digital Design I	3
AR	203	Basic Painting I	3
AR	227	History of Art	3
AR	303	Advanced Drawing	3
BI	251	Bible Doctrines I	2
SP	101	Fundamentals of Speech	3
		Total Hours	**17**

AR	204	Basic Painting II	3
AR	220	Digital Design II	3
AR	228	History of Art	3
AR	250	Intro. to Digital Illustration	3
AR	254	3-D Design Fundamentals	3
BI	252	Bible Doctrines II	2
		Total Hours	**17**

JUNIOR

AR	218	Photography I	3
AR	267	Graphic Design I	3
AR	319	Figure Drawing	3
AR	321	Illustration I	3
CR	370	Origins	2
		Total Hours	**14**

AR	268	Graphic Design II	3
AR	304	Advanced Painting	3
AR	322	Illustration II	3
AR	348	History of Illustration and Graphic Design	3
BI	370	Worldview and Apologetics	2
AR	336	Studio Art Internship[1]	3
		Total Hours	**17**

SENIOR

AR	440	Portfolio	3
AR		Studio Art Elective[2]	3
BI		Bible Elective	2
EN	210	Introduction to Literature	3
MA		Mathematics Elective	3
		Total Hours	**14**

AR	326	Publication Practicum	3
AR	451	Directed Studio	3
AR	499	Senior Studio Art Portfolio Exhibit	0
MI	403	Cultural Anthropology **or**	
PR	306	Interpersonal Relationships **or**	
PR	415	Marriage and Family Education	3
SC		Science Elective	3
		Total Hours	**12**

[1]Interterm, Post-term, or summer at an approved off-campus site. (See p. 18 for additional cost.)
[2]Elective to be chosen from: AR 213–313, AR 308, 309, 310, 311, 325, 354, or 355.



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	Taxation of Individuals **or**	
AC 462	Auditing	3
BA 301–2	Corporate Finance	6
	Total Hours Required	**24**

ADVERTISING

AR 120	Digital Design I	3
AR 201	Design Fundamentals I	3
AR 220	Digital Design II	3
AR 267	Graphic Design I	3
BA 313	Public Relations	3
MK 202	Professional Selling	3
MK 304	Principles of Marketing	3
PW 301	Copywriting	3
	Total Hours Required	**24**

BIBLICAL COUNSELING

BC 262	Introduction to Biblical Counseling	1
BC 327	Theology of Biblical Counseling	3
BC 352	Biblical Counseling for Men **or**	
BC 354	Biblical Counseling for Women	2
BC 355	The Biblical Counselor	2
BC 356	Counseling Problems and Procedures	3
BC 411	Biblical Counseling Seminar	3
PR 306	Interpersonal Relationships	3
PS 206	General Psychology	1
	Total Hours Required	**18**

BIBLICAL LANGUAGES

BL 101–2	Elementary Greek I/II	8
BL 201–2	Intermediate Greek I/II	6
BL 445–46	Elementary Hebrew I/II	8
	Total Hours Required	**22**

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.

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
		Total Hours Required	**20**

BUSINESS TECHNOLOGY

BA	101	Introduction to Business	2
BA	330	Computer Applications for Business	3
BA	403	Business Communications	3
CS	101	Introduction to Computer Applications	1
CS	131	Computer Hardware Foundations	3
CS	211	Introduction to Web Design	3
OA	411	Desktop Publishing	3
		Total Hours Required	**18**

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
		Total Hours Required	**23**

CHRISTIAN MINISTRIES

BC	262	Introduction to Biblical Counseling	1
BI	250	Bible Study and Instruction	2
EE	330	Teaching Bible	2
MI		Missions Elective	2
PR	240	Evangelism and Discipleship	2
PR	306	Interpersonal Relationships	3
PR	312	Youth Ministry	2
PR	327	Church Ministries Internship	1
PR		Practical Training Elective	3
		Total Hours Required	**18**

COMPUTER SCIENCE

CS	131	Computer Hardware Foundations	3
CS	202	Introduction to Programming	3
CS	212	Object-Oriented Programming	3
CS	227	Data Structures and Algorithms	3
CS	271	Computer Security	3
CS		Computer Science Electives (200-level or above)	6
		Total Hours Required	**21**

CRIMINAL JUSTICE

CJ	101	Introduction and Orientation to Criminal Justice	3
CJ	105	Theory of Patrol **or**	
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
		Total Hours Required	**18**

CYBERSECURITY

CS	131	Computer Hardware Foundations	3
CS	202	Introduction to Programming	3
CS	271	Computer Security	3
CS	272	Cybersecurity	3
CS	344	Networks I	3
CS	373	Computer System Administration	3
		Total Hours Required	**18**

DIGITAL MEDIA*

AR	120	Digital Design I	3
AR	218	Photography I	3
AR	220	Digital Design II	3
AR	233	Media Technology	3
AR	241	Introduction to the Mass Media	3
AR	311	UX/UI Design	3
AR	324	Video Production	3
AR	364	Multicamera Production	3
		Total Hours Required	**24**

*See Technology Requirements (p. 202).

EDUCATION

ED	101	Philosophy of Christian Education	3
ED	322	Educational Psychology	3
ED/EE/SE		Education Electives	5–6
		Teaching Methods Elective[1]	3
		Education Practicum[2]	1
		Development Elective[3]	2–3
		Total Hours Required	**18**

[1]ED 251, EE 201, or SE 201.
[2]ED 210, 259; EE 210; or SE 210.
[3]ED 413, 415; or EE 207.

Highlighted text indicates a change from the original version of the Catalog.

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.

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
		Total Hours Required	**18**

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
		Total Hours Required	**21**

GRAPHIC DESIGN

AR	111	Drawing for the Designer	3
AR	120	Digital Design I	3
AR	201	Design Fundamentals I	3
AR	220	Digital Design II	3
AR	267–68	Graphic Design I, II	6
		Total Hours Required	**18**

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
		Total Hours Required	**18**

*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	403	Business Communications	3
MN	303	Principles of Management	3
MN		Management Electives	9
		Total Hours Required	**21**

MARKETING

BA	313	Public Relations	3
MK	202	Professional Selling	3
MK	304	Principles of Marketing	3
MK	307	Advertising	3
MK	308	Retailing	3
MN	303	Principles of Management	3
		Total Hours Required	**18**

MATHEMATICS

MA	221–22	Calculus I, II	8
MA		Mathematics Electives*	12
		Total Hours Required	**20**

*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. Courses from which to choose: EE 330, MI 207, 208, 209, 210, 406, or 412	4
		Total Hours Required	**18**

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
		Total Hours Required	**24**

*Minor requirements (p. 189)

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—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
	Total Hours Required	**24**

*Minor requirements (p. 189)

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
	Total Hours Required	**24**

*Minor requirements (p. 189)

MUSIC MINISTRIES

CC 131–232	College Choir	4
MU 100	Foundations of Church Music	4
MU 105–6	Beginning Hymnplaying[1] **or**	
PI 101–2	Piano Class[2]	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**

[1]Keyboard emphasis
[2]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 150	Keyboarding Speed/ Accuracy Development	1
OA 201	Document Processing	3
OA 210	Records Management	2
	Total Hours Required	**19**

PERFORMANCE STUDIES*

SP 102	Introduction to Interpretive 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	Acting I	3
SP 341–42	Performance Studio	2
	Total Hours Required	**19**

*Minor requirements (p. 194)

PHYSICAL EDUCATION*

PE 184	Fall Team Sports	2
PE 187	Spring Team Sports	2
PE 191	Sports 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. 117)

POLITICAL SCIENCE

PL 101	American Political Heritage	3
PL 207	Introduction to Political Science	3
PL 280	American Government	3
PL 402	Ancient and Medieval Political Philosophy **or**	
PL 403	Modern Political Philosophy	3
PL	Political Science Electives	6
	Total Hours Required	**18**

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.

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**

STRATEGIC COMMUNICATION

BA 403	Business Communications	3
CO 234	Introduction to Communication Theory	3
CO 235	Interpersonal and Group Communication	3
CO 335	Persuasion	3
CO 336	Social Media Strategy	3
CO 437	Mass Communication	3
CS 101	Introduction to Computer Applications	1
SP 250	Public Speaking	3
Total Hours Required		**22**

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
Total Hours Required		**21**

WEB DEVELOPMENT

AR 120	Digital Design I	3
AR 220	Digital Design II	3
AR 311	UX/UI Design	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
Total Hours Required		**21**

WRITING

EN 301	Creative Writing	3
EN 302	Copy Editing	3
EN 360	Advanced English Grammar and Composition	3
PW 325	Journalism I	3
	Professional Writing Electives	9
	Courses from which to choose: PW 301, 326, 331, 401, or 404	
Total Hours Required		**21**



COURSE DESCRIPTIONS

Accounting

AC 231 Principles of Accounting I (3 credits) Students gain 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, payroll, 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 current and long-term liabilities, stockholder's equity, preparation and presentation of the statement of cash flows, financial statement analysis, and regulatory issues. 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 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; FN 451.* Spring.

AC 403 Taxation of Individuals (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 Taxation of Business Entities (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 repowrts. 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.

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 Drawing for the Designer (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 rendering, interpreting, and simplifying visual images from reference material using design elements and principles. Meets 6 hours a week. *Required for AR 250, 254.* Fall.

AR 120 Digital Design I (3 credits) Learning foundational design principles and practices, students use industry-standard layout, vector, and raster software to create visual solutions for various communication needs. *Required for AR 220.* Fall, Spring.

AR 201 Design Fundamentals I (3 credits) *Prereq.: Visual arts major; advertising/public relations or media ministries 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, 245, 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, Spring.

AR 218 Photography I (3 credits) Using the fundamentals of professional digital photography, students capture visual ideas, edit images, and develop an organized workflow. A manual mode, interchangeable-lens digital camera capable of at least 12 megapixels is required. Meets 4 hours a week. *Required for AR 233, 308; MK 402.* Fall, Spring.

AR 220 Digital Design II (3 credits) *Prereq.: At least "C-" in AR 120 and concentration, teaching field, minor, broad field, or emphasis in advertising/public relations, art, digital media, graphic design, media arts, media ministries, professional writing, studio art, or web development.* Students advance their technical training using industry-standard design software, creating complex visual solutions for print and digital contexts. *Required for AR 233, 245, 267, 311.* 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. *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. 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 233 Media Technology (3 credits) *Prereq.: At least "C-" in AR 218 and 220 and advertising/public relations, graphic design, media arts, or media ministries concentration or digital media minor, broad field, or emphasis.* Students learn the terminology and techniques of digital video and audio technologies to acquire and edit media content using industry standard equipment and software. *Required for AR 243, 324, 333, 364.* Fall.

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 243 Audio Production (3 credits) *Prereq.: At least "C-" in AR 233.* Students study audio production techniques and terminology, platforms, and technology, as well as produce basic audio projects using standard production facilities. *Required for AR 345, 464.* Spring.

AR 245 Typography (3 credits) *Prereq.: At least "C-" in AR 201 and 220.* Through the study of typographic history and design principles, students create expressive and communicative work for various design contexts. Fall.

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. Meets 6 hours a week. *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. *AR 254: required for AR 354, 355; AR 354: required for AR 454.* Fall, Spring.

AR 267 Graphic Design I (3 credits) *Prereq.: At least "C-" in AR 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, 319, 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 6 hours a week. *Required for AR 440, 451.* 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 311 UX/UI Design (3 credits) *Prereq.: At least "C-" in AR 220*. Students learn and apply user experience design fundamentals by planning, designing, developing, and testing website interfaces for desktop and mobile platforms. *Required for AR 402*. Fall, Spring.

AR 319 Figure Drawing (3 credits) *Prereq.: At least "C-" in AR 303.* Using live models, students develop skills in drawing the human head and clothed figure with emphasis on correct proportions, strong values, and media control. Students further their study by drawing complex half- and full-figure works. Meets 4 hours a week. Fall.

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, 451.* Spring.

AR 324 Video Production (3 credits) *Prereq.: At least "C-" in AR 233*. Students advance their video production skills by producing original content through a professional workflow integrating Adobe Creative Cloud applications. *Required for AR 345, 403, 464.* 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 333 Motion Graphics (3 credits) *Prereq.: At least "C-" in AR 233.* Using industry standard software, students learn and apply foundational animation, design, and audio principles to digital motion graphics with an emphasis on effective communication. 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 345 Media Ministry Internship (3 credits) *Prereq.: At least "C-" in AR 243 and 324 and media ministries concentration.* Students receive practical media ministry experience in this internship. A minimum of 120 hours is spent in a professional media ministry environment at an approved off-campus site. Students create valuable additions to their portfolios. Fall, Spring, 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) 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 355 Introduction to 3D Graphics and Animation (3 credits) *Prereq.: AR 254.* Students learn the basics of digital 3D modeling and animation. With an emphasis on learning the animation creative process, students learn to create illustrations, animations, and 3D-printable files using industry-standard 3D graphics software. Fall.

AR 364 Multicamera Production (3 credits) *Prereq.: At least "C-" in AR 233.* Students gain understanding of multicamera video processes, positions, and equipment as they research, produce, and direct programs in a variety of production situations. Spring.

AR 402 Interactive Design (3 credits) *Prereq.: At least "C-" in AR 268 and 311.* Using accepted design standards, students build desktop and mobile media using HTML, CSS, JavaScript, and modern frameworks. Meets 4 hours a week. *Required for AR 403.* Spring.

AR 403 Advanced Interactive Design (3 credits) *Prereq.: At least "C-" in AR 324 and 402.* Using both industry standard and emerging practices and tools, students apply advanced concepts and coding knowledge to various interactive projects. Meets 4 hours a week. Fall.

AR 420 Advertising Design I (3 credits) *Prereq.: At least "C-" in AR 268.* Students design and present a brand advertising campaign focusing on visual identity and brand personality. Students also gain professional experience by collaborating as a team to create a visual merchandise display for a client. Meets 4 hours a week. *Required for AR 421, 440, 450; MK 402.* Fall.

AR 421 Advertising Design II (3 credits) *Prereq.: At least "C-" in AR 420.* Students design and professionally present an event advertising campaign focusing on creative strategy and audience experience. Students also gain further professional experience by collaborating as a team to create a visual merchandise display for a client. 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. Fall.

AR 450 Directed Studio (3 credits) *Prereq.: Credit for or concurrent enrollment in AR 420 and senior graphic design concentration.* 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.: At least "C-" in AR 304, 322, and senior studio art concentration.* 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 464 Media Administration and Production (3 credits) *Prereq.: At least "C-" in AR 243 and 324.* Students explore opportunities presented by today's media landscape and learn to develop a comprehensive media plan for an organization. Emphasis will be given to effectively and legally using media, integrating technologies, and managing personnel. Spring.

AR 498 Senior Graphic Design Portfolio Exhibit (0 credit) *Prereq.: Graduating senior graphic design concentration in last semester and credit for or concurrent enrollment in AR 450.* Fall, Spring.

AR 499 Senior Studio Art Portfolio Exhibit (0 credit) *Prereq.: Graduating senior studio art concentration in last semester and credit for or 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. Offered on campus: Fall, Spring; online: Interterm, Summer.

BA 200 Introduction to Economics (3 credits) Students learn an overview of key economic concepts, including supply and demand, opportunity cost, taxation, and economic measurement through GDP and national income. Students will also learn political economic systems including socialism, communism, and Keynesianism, with contrast to free market capitalism. Fall, Spring.

BA 220 Business English (3 credits) *Prereq.: At least "C-" in EN 121 or 123.* Students learn business-style punctuation, capitalization, and number usage. *Required for OA 301, 318, 324.* Fall, Spring.

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, 433, 447.* Offered on campus: Fall, Spring; online: Interterm, Summer.

BA 303 Macroeconomics (3 credits) *Prereq.: MA 121 or 123 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 306 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 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

Highlighted text indicates a change from the original version of the Catalog.

event. *Required for BA 413.* Fall, Spring.

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 FN 447, OA 301, 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 strategic communication minor; 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 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 442 Advanced Business Law (3 credits) *Prereq.: BA 306.* 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.

BA 481, 491 Business Internship (1 credit each) *Prereq.: Sophomore or above with 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. Students may complete a maximum of 6 BA internship credits. *BA 481: required for BA 491.* Both sem., Interterm, and Summer.

BA 482, 492 Business Internship (2 credits each) *Prereq.: Sophomore or above with 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 80 hours. Students may complete a maximum of 6 BA internship credits. *BA 482: required for BA 492.* Both sem., Interterm, and Summer.

BA 483, 493 Business Internship (3 credits each) *Prereq.: Sophomore or above with 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 120 hours. Students may complete a maximum of 6 BA internship credits. *BA 483: required for BA 493.* Both sem., Interterm, and Summer.

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 and twenty-first century church history: Pentecostalism, Liberalism, Neo-orthodoxy, Fundamentalism, New Evangelicalism, Postmodern Christianity, and Neo-Calvinism. 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. Spring.

Biblical Counseling

BC 262 Introduction to Biblical Counseling (1 credit) 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. *Required for BC 352, 354, 355, 356, 411.* Fall, Spring.

BC 327 Theology of Biblical Counseling (3 credits) *Prereq.: BI 251 and 252.* The student will learn the primary theological and biblical themes that underlie the counseling task. This course may be taken as a Bible elective. *Required for BC 356.* Fall.

BC 352 Biblical Counseling for Men (2 credits) *Prereq.: Men only; BC 262.* Students examine common counseling issues relating to men and learn the biblical approach to the counseling process. This course applies the sufficiency of Scripture to counseling. Spring.

BC 354 Biblical Counseling for Women (2 credits) *Prereq.: Women only; BC 262.* Students examine common counseling issues relating to women and learn the biblical approach to the counseling process. This course applies the sufficiency of Scripture to counseling. Spring.

BC 355 The Biblical Counselor (2 credits) *Prereq.: BC 262.* The student will learn the personal and spiritual qualifications necessary to be an effective biblical counselor. Emphasis will be placed on personal spiritual growth and maturity and the discipleship mentality needed for counseling applications. Fall.

BC 356 Counseling Problems and Procedures (3 credits) *Prereq.: BC 262 and 327.* Students demonstrate an understanding of each step in the biblical counseling process. Students also learn common pitfalls to avoid as well as techniques to help with common counseling problems. Spring.

BC 411 Biblical Counseling Seminar (3 credits) *Prereq.: BC 262, BI 251, and BI 252.* Students gain advanced study in the theology and methodology of biblical counseling, with an emphasis on integrating this knowledge into ministry contexts in light of the sufficiency of Scripture. Completion may also satisfy Phase 1 certification requirements with the *Association of Certified Biblical Counselors* (ACBC). Spring.

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 251, 252, 303, 304.* Offered on campus: Fall, Spring; 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 251, 252, 414, 416, 420.* Offered on campus: Fall, Spring; online: Interterm, Summer.

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 250 Bible Study and Instruction (2 credits) Students learn principles and methods of effective Bible study and receive practical training in presenting truth in a variety of ministry settings. Offered on campus: Fall, Spring; online: Interterm, Summer.

BI 251 Bible Doctrines I (2 credits) *Prereq.: BI 105 and 205; or sophomore or above.* Students learn the basic Bible doctrines of Bibliology, Theology Proper, Christology, Pneumatology, and Angelology. *Required for BC 327, 411; MI 307; PR 320.* Offered on campus: Fall, Spring; online: Interterm, Summer.

BI 252 Bible Doctrines II (2 credits) *Prereq.: BI 105 and 205; or sophomore or above.* Students learn the basic Bible doctrines of Anthropology, Hamartiology, Soteriology, Israelology, Ecclesiology, and Eschatology. *Required for BC 327, 411; MI 307; PR 320.* Offered on campus: Fall, Spring; online: Interterm, Summer.

BI 303 Hebrew History I (2 credits) *Prereq.: BI 105.* Students learn the purpose for studying Hebrew history, as well as major events and themes from Exodus, Leviticus, and Numbers. Emphasis is placed on theological principles that relate to the life of the believer. Fall.

BI 304 Hebrew History II (2 credits) *Prereq.: BI 105.* Students learn major events and themes in the books of Deuteronomy, Joshua, Judges, and Ruth. Emphasis is placed on 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. Offered on campus: Fall, Spring; online: Interterm, Summer.

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) Students will learn the content of Galatians, Ephesians, Philippians, Colossians, and Philemon with an emphasis on the major doctrines in each book. Spring.

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.

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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. Fall.

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, or sophomore biblical studies student in A.A. program.* 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. Offered on campus: Fall, Spring; online: Interterm, Summer.

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. Fall, Spring.

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. Offered online: Interterm and Post-term.

Biblical Languages

BL 101 Elementary Greek I (4 credits) *Prereq.: At least "C-" in EN 126.* 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 II (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 I (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 II (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 I (4 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 II (4 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.* 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 201, 206, 331, 422; NU 128; SC 242.* Fall.

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, 331, 422; CH 306; 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, 352; SC 299; SE 308.* Spring.

BY 201 General Anatomy and Physiology I (4 credits) *Prereq.: BY 105 or 111; concentration/emphasis other than biology, cell and molecular 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, muscular, and nervous 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 202, 441; NU 128, 203; SE 308.* Spring.

BY 202 General Anatomy and Physiology II (4 credits) *Prereq.: BY 201; concentration/emphasis other than biology, cell and molecular biology, pre-medicine, pre-pharmacy, or pre-physical therapy.* Students learn concepts of anatomy and physiology of the human endocrine, cardiovascular, lymphatic, digestive, respiratory, urinary, and reproductive systems. Studies are made in the areas of 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 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 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.* 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. 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, cell and molecular 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, 441, 442; SC 351.* Fall.

BY 312 Anatomy and Physiology II (4 credits) *Prereq.: BY 311 and biology, cell and molecular 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 physio logical, 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 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. 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, 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 odd.

BY 352 Wildlife Techniques (4 credits) *Prereq.: BY 112 or SC 111.* Students learn applied wildlife management using field-based procedures. A working understanding of population demographics and animal behavior informs management practices used in the field. Relationships between wildlife and their environment are examined, with emphasis on human interactions, including hunting, water and land use, invasive species, and economic applications. 3 hours lecture, plus lab. Spring even.

BY 391 Directed Research I (1 credit) *Prereq.: SC 299; junior or senior; major in natural sciences; 3.0 GPA or higher; and approval from chair of natural sciences.* Under the direction of a faculty member in the Natural Sciences Department, students will conduct individualized, experimental research, emphasizing critical thinking, correct scientific methodology, and accurate reporting of data. *Required for BY 392.* Offered on campus: Fall, Spring; online: Summer.

BY 392 Directed Research Analysis I (1 credit) *Prereq.: BY 391 and approval from chair of natural sciences.* Students will conclude a controlled research experiment or field study designed to answer a specific research question by statistically analyzing findings and presenting their results including a research poster. *Required for BY 491.* Offered on campus: Fall, Spring; online: Summer.

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, 443.* 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 443 Exercise Prescription (3 credits) *Prereq.: Credit for or concurrent enrollment in BY 441.* Students learn the scientific basis for designing effective exercise programs and how to evaluate individuals for the safe therapeutic application of exercise. Fall.

BYL 443 Exercise Prescription Lab (1 credit) *Coreq.: BY 443.* This exercise prescription lab is taught in conjunction with BY 443 Exercise Prescription. 2.25 hours lab per week. Fall.

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.

BY 491 Directed Research II (1 credit) *Prereq.: BY 392 and approval from chair of natural sciences.* Under the direction of a faculty member in the Natural Sciences Department, students will conduct individualized, experimental research, emphasizing critical thinking, correct scientific methodology, and accurate reporting of data. *Required for BY 492.* Offered on campus: Fall, Spring; online: Summer.

BY 492 Directed Research Analysis II (1 credit) *Prereq.: BY 491 and approval from chair of natural sciences.* Students will conclude a controlled research experiment or field study designed to answer a specific research question by statistically analyzing findings and presenting their results including a research poster. Offered on campus: Fall, Spring; online: Summer.

Chemistry

CH 107 Principles of Chemistry (4 credits) *Prereq.: Open to all students except two-year pre-nursing major.* Students learn foundational concepts in general, organic, and biological chemistry. 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; SC 242.* Fall, Spring.

CH 111 General Chemistry I (4 credits) *Prereq.: Non-nursing major and credit for or concurrent enrollment in MA 121 or 123 or placement into MA 130 or higher.* 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; SC 299.* 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 412, 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.

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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 391 Directed Research I (1 credit) *Prereq.: SC 299; junior or senior; major in natural sciences; 3.0 GPA or higher; and approval from chair of natural sciences.* Under the direction of a faculty member in the Natural Sciences Department, students will conduct individualized, experimental research, emphasizing critical thinking, correct scientific methodology, and accurate reporting of data. *Required for CH 392.* Fall, Spring.

CH 392 Directed Research Analysis I (1 credit) *Prereq.: CH 391 and approval from chair of natural sciences.* Students will conclude a controlled research experiment or field study designed to answer a specific research question by statistically analyzing findings and presenting their results including a research poster. *Required for CH 491.* Offered on campus: Fall, Spring; online: Summer.

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 412 Organic Chemistry III (4 credits) *Prereq.: CH 212.* Students develop advanced skills in organic reaction mechanisms, with an emphasis on structure-reactivity relationships, stereoelectronic effects, and synthetic strategies. Students integrate mechanistic reasoning with spectroscopic analysis to predict, explain, and design complex organic transformations. 3 hours lecture, plus lab. 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. 3 hours lecture, plus lab. Fall even.

CH 491 Directed Research II (1 credit) *Prereq.: CH 392 and approval from chair of natural sciences.* Under the direction of a faculty member in the Natural Sciences Department, students will conduct individualized, experimental research, emphasizing critical thinking, correct scientific methodology, and accurate reporting of data. *Required for CH 492.* Fall, Spring.

CH 492 Directed Research Analysis II (1 credit) *Prereq.: CH 491 and approval from chair of natural sciences.* Students will conclude a controlled research experiment or field study designed to answer a specific research question by statistically analyzing findings and presenting their results including a research poster. Offered on campus: Fall, Spring; online: Summer.

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.* Offered on campus: Fall; online: Interterm, Summer.

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.* 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. *Required for CJ 146.* Fall, Spring.

CJ 146 Traffic Control Practicum (1 credit) *Prereq.: CJ 145.* Students will gain experience in traffic-control techniques and develop leadership skills. Fall, Spring.

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 or placement into MA 130 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 even.

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. Spring odd.

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.

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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 110 Foundations for College Success (1 credit) *Prereq.: Course permit.* Students will learn the concepts and skills needed for a successful college experience by using online resources, attending co-curricular activities, and developing their organization, memorization, and critical-thinking skills. In addition, students develop effective time-management skills, study habits, test-taking strategies, and other skills that contribute to general academic success. Meets 2 hours a week. Fall, Spring.

CL 111 Foundations for College Success (1 credit) Students will learn the concepts and skills needed for a successful college experience by using online resources, attending co-curricular activities, and developing their organization, memorization, and critical-thinking skills. *Required for all first-semester students.* Fall, Spring.

Communication

CO 234 Introduction to Communication Theory (3 credits) *Prereq.: Credit for or concurrent enrollment in EN 126.* Students evaluate communication theories through the biblical worldview and apply their analysis to realistic situations. *Required for CO 235, 335, 336, 437*. Fall, Spring.

CO 235 Interpersonal and Group Communication (3 credits) *Prereq.: Credit for or concurrent enrollment in CO 234.* Students analyze interpersonal processes and apply different conflict-management styles, nonverbal messages, and methods of small-group interaction. Fall.

CO 335 Persuasion (3 credits) *Prereq.: CO 234.* Students study rhetoric and its influence on various contexts throughout history. Students apply critical thinking through the study and practice of argumentation and model persuasive speaking. Fall.

CO 336 Social Media Strategy (3 credits) *Prereq.: CO 234.* Students analyze social media usage, organizational objectives, and audiences to creatively develop strategic plans. Spring.

CO 437 Mass Communication (3 credits) *Prereq.: CO 234*. Students evaluate current media practices and craft strategic messages in both oral and written forms. Spring.

Creation

CR 370 Origins (2 credits) Students will learn the foundational concepts of origins from the biblical 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 the standard of Scripture. Offered on campus: Fall, Spring; online: Interterm, Summer.

Computer Science

CS 101 Introduction to Computer Applications (1 credit) Students will develop a basic knowledge of computer applications through hands-on experience producing documents using word processing, spreadsheet, and presentation software. Meets 2 hours a week. *Required for BA 330; ED 306; OA 201, 411; PW 305; SE 313.* Fall, Spring.

CS 131 Computer Hardware Foundations (3 credits) Students examine the underlying technology of computers as well as the ethical and legal issues related to computer equipment. Students receive practical hands-on experience in building, repairing, and troubleshooting personal computer hardware systems. Topics align with CompTIA A+ exam objectives and help prepare students for the hardware component of the CompTIA A+ certification. *Required for CS 344.* Fall, Spring.

CS 132 Computer Software Foundations (3 credits) Students examine the underlying technology of computers as well as the ethical and legal issues related to computer operating system, basic networks, and scripting. Students receive practical hands-on experience in repairing and troubleshooting personal computer software systems. Topics align with CompTIA A+ exam objectives and help prepare students for the software component of the CompTIA A+ certification. Spring.

CS 202 Introduction to Programming (3 credits) Students are introduced to the basic data and control structures found in programming languages and learn proper logic, design, and coding methods. Meets 4 hours a week. *Required for CS 212, 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 CS 333, 367, 368.* Fall, Spring.

CS 212 Object-Oriented Programming (3 credits) *Prereq.: MA 121 or higher or placement into MA 130 or higher; and at least "C-" in CS 202.* Students design and implement programs using classes and objects while applying concepts such as encapsulation, inheritance, and polymorphism with an emphasis on problem solving, modular program structure, and clearly developed software. *Required for CS 227, 326, 331, 351, 361, 364, 442.* Spring.

CS 227 Data Structures and Algorithms (3 credits) *Prereq.: At least "C-" in CS 212.* 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 303, 321, 326, 353, 431, 451.* Fall.

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, 379, 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. Topics covered align with the CompTIA Security+ exam objectives and prepare students for the CompTIA Security+ certification. Spring.

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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.* Students 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. Assembly languages are used to introduce students to fundamental assembler concepts. *Required for CS 432.* Fall.

CS 326 Operating Systems (3 credits) *Prereq.: CS 212 and 227.* 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 212.* Students will learn the Python programming language and will write multiple applications implementing various concepts within the core Python language and standard library. Fall odd.

CS 333 Human-Computer Interaction (3 credits) *Prereq.: CS 211.* Students will learn fundamental approaches to creating effective computer software interfaces. This course will focus on techniques to design, prototype, and evaluate graphical user interfaces. Fall even.

CS 344 Networks I (3 credits) *Prereq.: CS 131.* Students explore the OSI model of networking, gain practical insight into each layer of the OSI model, and examine local area network hardware and software along with core networking concepts. Topics align with CompTIA Network+ exam objectives and help prepare students for the CompTIA Network+ certification. *Required for CS 346, 373.* Fall.

CS 346 Networks II (3 credits) *Prereq.: CS 344.* Students gain practical expertise in computer networking by applying the OSI model to LAN and internet communications. They analyze core data communication protocols, examine how data traverses interconnected systems, and complete hands-on networking activities, focusing on applied problem-solving and technical proficiency. Spring.

CS 351 Software Engineering I (3 credits) *Prereq.: CS 212.* 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 353 Introduction to Artificial Intelligence (3 credits) *Prereq.: CS 227 and credit for or concurrent enrollment in MA 216 or 326.* Students learn the foundational concepts, philosophies, algorithms, and frameworks of artificial intelligence and intelligent systems, including key areas such as machine learning, computer vision, and natural language processing. Fall even.

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CS 361 Java Programming (3 credits) *Prereq.: CS 212.* Students will create Java applications to gain experience in applying common development techniques in an object-oriented environment. Fall even.

CS 364 .NET Programming (3 credits) *Prereq.: CS 212.* 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.: Credit for or concurrent enrollment in CS 344.* Students perform common system installation and administration tasks on Windows and Linux systems, examine common computing system deployments, implement security requirements, and apply common administration practices through cloud-based hands-on exercises. *Required for CS 379.* Spring.

CS 376 Introduction to Applied Cryptography (3 credits) *Prereq.: CS 202 and credit for or concurrent enrollment in 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 and Penetration Testing (3 credits) *Prereq.: CS 271 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. Topics covered help prepare students for the Certified Ethical Hacker certification. *Required for CS 472.* Fall.

CS 400 Computing Internship (1 credit) *Prereq.: Sophomore or above; computing major; and approval from chair of engineering and computer science.* Students receive practical experience in this elective course conducted for a minimum of 40 hours at an approved facility. Students document their involvement and contemplate details related to problem solving, teamwork, and current practice observed in the computer field. Both sem., Interterm, and Summer.

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 414 Systems Design (3 credits) *Prereq.: CS 303 and senior information technology concentration in last two semesters or approval from chair of engineering and computer science.* 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.

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CS 431 Theory of Computation (3 credits) *Prereq.: MA 224 and at least "C-" in CS 227.* 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 442 Programming Languages (3 credits) *Prereq.: CS 212.* 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 in last two semesters or approval from chair of engineering and computer science.* In a team setting, students will design, create, test, and implement a large software system. In this course, students will complete the initial phases of software development while gaining experience in presenting their work both orally and in writing. The software system will be completed in CS 452. *Required for CS 452.* Fall.

CS 452 Software Engineering Project II (3 credits) *Prereq.: CS 451.* Students will complete the software system started in CS 451 and create support documentation for both customers and future developers. The final product will be tested using a variety of techniques, and 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 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. *Required for CS 478.* Fall even.

CS 472 Digital Forensics (3 credits) *Prereq.: CS 379.* Students gain exposure to digital forensics and cyber investigations with emphasis on incident response to potentially malicious attacks in a variety of environments such as cloud, mobile devices, and enterprise networks. Students will be able to competently acquire digital evidence, examine that evidence, and render qualified opinions and findings. *Required for CS 478.* Spring.

CS 478 Cybersecurity Capstone Project (3 credits) *Prereq.: CS 471, 472, and cybersecurity concentration.* Students will integrate and apply their cybersecurity knowledge and skills through immersive, hands-on activities that simulate real-world scenarios. Spring.

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General Education

ED 101 Philosophy of Christian Education (3 credits) Students will learn the history, principles, and philosophy of education in general and the distinctive 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, 260; EE 201, 205; SE 201.* Offered on campus: Fall, Spring; online: Interterm, Summer.

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. Offered on campus: Fall, Spring; online: Interterm, Summer.

ED 210, 310, 410 Early Childhood Education Practicum (1 credit each) *Prereq.: At least "C-" in EE 201 and approval from chair of education.* Students gain practical classroom experience in an approved Christian kindergarten under the supervision of an experienced teacher. Students normally complete this 45-hour practicum in the vicinity of their 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.* Students gain practical, grade-level experience through various teaching responsibilities such as Sunday school classes, children's church, youth groups, sports teams, etc. *Required for ED 311 (each level required for the next one), 469; EE 420, 450; SE 420.* Summer.

ED 216 Special Education Practicum (1 credit) *Prereq.: At least "C-" in ED 260 and EE 201 and approval from chair of education.* Students gain practical classroom experience in an approved Christian school under the supervision of an experienced teacher. Students normally complete this 45-hour practicum in the vicinity of their home. *Required for ED 469.* Interterm.

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 220 Introduction to TESOL (3 credits) *Prereq.: At least "C-" in EN 126 and sophomore or above.* The students learn an overview for Teaching English to Speakers of Other Languages, including language teaching methods, language skills, and curriculum considerations. Spring.

ED 251 Introduction to Music Education (3 credits) *Prereq.: At least "C-" in ED 101 and sophomore or above.* Students learn the materials and general methods employed in teaching music, including classroom observation of skilled teachers. Students gain practical experience through peer teachings. *Required for ED 259, 351, 362, 363.* Fall.

ED 259 Music Education Practicum (1 credit) *Prereq.: At least "C-" in ED 251 and approval from chair of education.* Students gain practical classroom experience in an approved Christian school under the supervision of experienced music faculty. Students normally complete this 45-hour practicum in the vicinity of their home. *Required for ED 450.* Interterm.

ED 260 Introduction to Special Education (3 credits) *Prereq.: At least "C-" in ED 101; or credit for or concurrent enrollment in ED 430.* 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 216, 361, 364, 461, 462.* Fall.

ED 301 Tests and Measurements (1 credit) 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. Fall, Spring.

ED 351 Teaching Elementary Music (2 credits) *Prereq.: At least "C-" in ED 251 or SE 201, junior or senior, 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 469.* 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 364.* Spring.

ED 363 Family and Professional Partnerships (3 credits) *Prereq.: ED 251, 430, EE 201, or SE 201; and junior or senior.* Students examine family and professional partnership practices designed to help children, adolescents, and exceptional learners in the Christian-traditional classroom. Spring.

ED 364 Special Education Assessment and Planning (3 credits) *Prereq.: ED 260 and credit for or concurrent enrollment in ED 362.* Students learn to identify behavioral and learning difficulties through informal and formal assessment instruments and to develop individualized student plans based on assessment results. *Required for ED 469.* 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. *Required for ED 462.* 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 ED 450, ED 469, EE 420, EE 450, 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, 469; 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. Meets 3 hours a week. *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.

ED 461 Characteristics of Learning Disabilities (3 credits) *Prereq.: At least "C-" in ED 260.* Students learn theories and conditions associated with learning disabilities and the instructional strategies, accommodations, and modifications to develop Individualized Student Plans for K–12 students. *Required for ED 469.* Fall.

ED 462 Characteristics of Emotional and Behavioral Disorders (3 credits) *Prereq.: ED 413 and at least "C-" in ED 260.* Students learn theories and conditions associated with emotional and behavioral disorders and learn to develop Individualized Student Plans for K–12 students with these conditions. Spring.

ED 469 Special Education Teaching Internship (12 credits) *Prereq.: ED 211, 216, 361, 364, 419, 461; EE 301, 306, 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, special education majors spend one semester in supervised classroom teaching at Pensacola Christian Academy. 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.* Students learn the materials and general methods employed in teaching elementary school (grades K–6), including classroom observation of skilled teachers. Students gain practical experience through peer teachings. *Required for ED 210, 211, 216, 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 and sophomore or above.* 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 and approval from chair of education.* Students gain practical classroom experience in an approved Christian elementary school under the supervision of an experienced teacher. Students normally complete this 45-hour practicum in the vicinity of their home. *Required for EE 310 (each level required for the next one), 420.* Interterm.

EE 215 Arithmetic Skills for the Elementary School (2 credits) 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 301–330 *Prereq. for EE 301, 306, 311, 317, 321, 325: At least "C-" in EE 201. Prereq. for EE 308: At least "C-" in EE 201 or SE 201; or sport management concentration. Prereq. for EE 330: At least "C-" in EE 201; or Christian ministries or missions minor. 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.* Students learn the concepts, materials, and methods needed to teach arithmetic on the elementary level. *Required for ED 469; EE 420, 450.* 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 ED 469; EE 420, 450.* Fall, Spring.

EE 308 Teaching PE in Elementary Schools (2 credits) *Additional prereq.: PE 195 (or PE 184 and 187) and junior or senior.* Students will learn how to plan, schedule, and administrate 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 ED 469; EE 420, 450.* Fall, Spring.

EE 317 Teaching Reading (2 credits) *Additional prereq.: EE 205.* 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 ED 469; 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 ED 469; 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 ED 469; EE 420, 450.* Fall, Spring.

EE 330 Teaching Bible (2 credits) *Additional prereq.: Junior or senior.* 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 ED 469; EE 420, 450.* Fall, Spring.

EE 343 Teaching Preschoolers (2 credits) *Prereq.: EE 201 and junior or senior.* 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.

EEL 343 Teaching Preschoolers Lab (1 credit) *Coreq.: EE 343.* This teaching preschoolers lab is taught in conjunction with EE 343 Teaching Preschoolers. 1 hour lab per week. Fall, Spring.

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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.* Students explore various topics related to a career in engineering, including an introduction to solving engineering problems. *Required for EG 201.* 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 and credit for or concurrent enrollment in EG 103.* Students learn how processing affects a material's structure to create its mechanical and other properties for specific applications of metals, ceramics, polymers, and composites. *Required for ME 331, 412.* Spring.

EG 205 Statics (3 credits) *Prereq.: At least "C-" in MA 221; and at least "C-" or concurrent enrollment in PY 231.* 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 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, 415.* Spring.

EG 210 Programming for Engineers (2 credits) *Prereq.: Credit for or concurrent enrollment in MA 131 or placement into MA 221.* Students learn and apply the C programming language to solve engineering problems while developing skills in program design, coding, and debugging. Students will also learn basic MATLAB skills, including graphing. *Required for EL 148, 354, 426; ME 405.* Fall.

EG 321 Electrical Circuits (4 credits) *Prereq.: 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 324, ME 405.* Fall.

EG 324 Electrical Systems (3 credits) *Prereq.: EG 321.* Students learn the concepts of electromagnetic systems used in power systems and rotating machines as well as basic instrumentation design. 2 hours lecture, plus lab. 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 odd.

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 148 Introduction to Microprocessors (3 credits) *Prereq.: At least "C-" in EG 210.* 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.: Credit for 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.: At least "C-" in EL 223 and MA 322.* Students apply differential equations, Laplace Transforms, and Fourier analysis to analyze and model circuits including transient analysis. Students also use phasor analysis to solve linear circuit problems, investigate resonance, analyze filters, and apply magnetic coupled circuits. Students take voltage, current, and power measurements and characterize various circuits. 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.: At least "C-" in EL 331.* Students learn and apply Maxwell's equations to electromagnetic wave propagation and reflection in various media, transmission lines, rectangular waveguides, optical waveguides, and antennas. 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.: At least "C-" in 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 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 354.* Fall.

EL 354 Embedded Systems (2 credits) *Prereq.: At least "C-" in EG 210 and EL 347.* Students develop programmable hardware systems that meet design specifications using applicable development tools, microcontrollers, and electronics. *Required for EL 443. Spring.*

EL 361, 461 Electrical Engineering Practicum (1 credit each) *Prereq.: Sophomore or above; 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 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.: EG 210 and 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 354, 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 in last two semesters.* 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) *Prereq.: Placement into EN 099.* 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.

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; BL 101; CJ 306; CO 234; ED 220; EN 210, 251, 252, 291, 301, 360, 362, 430; HI 200; NU 203; PL 292; 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, 307, 310, 312, 315, 318, 348, 402, 405, 414, 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; SE 304.* Offered on campus: Fall, Spring; online: Interterm, Summer.

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 PW 299, 331, 401, 408, 421, 422; SE 304.* Fall, Spring.

EN 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. *Required for PW 404, 406, 421, 422.* Fall.

EN 307 American Romanticism (3 credits) *Prereq.: EN 210 or 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. Fall odd.

EN 310 American Novel (3 credits) *Prereq.: EN 210 or 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 210 or 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 210 or 251.* Students will learn the essentials concerning the life and times of William Shakespeare and selected major plays (comedies, tragedies, and histories). Spring.

EN 318 English Romantic Poetry (3 credits) *Prereq.: EN 210 or 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 210; or 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 EN 126.* This course provides a detailed study of traditional grammar and guides students in writing clear and graceful prose. *Required for EN 302, PW 299, 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 402 British Novel (3 credits) *Prereq.: EN 210 or 251.* This course focuses on the historical development of the English novel. The student will read and analyze novels by authors such as Austen, Conrad, and Dickens. Fall odd.

EN 405 Milton (3 credits) *Prereq.: EN 210 or 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 even.

EN 414 American Realism (3 credits) *Prereq.: EN 210 or 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 210 or 251.* 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. Fall.

EN 423 The Classics of Western Literature (3 credits) *Prereq.: EN 210 or 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 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 literary studies concentration.* 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 Basic Apparel Construction (3 credits) In this course, students learn the fundamental techniques of sewing garments. Basic principles of construction are studied and applied in the selection of fabric and actual construction of simple garments. 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. Offered on campus: Spring; online: Interterm, Summer.

FN 310 Financial Institutions (3 credits) *Prereq.: At least "C-" in 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.: At least "C-" in 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. *Required for FN 448.* 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 330 and at least "C-" in BA 302 and 322 (or MA 326).* Students gain facility in several modeling and forecasting techniques such as the Gordon model, CAPM, and Black-Scholes, 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 451, 452.* Fall.

FN 448 Advanced Portfolio Management (3 credits) *Prereq.: At least "C-" in 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 451 Financial Statement Analysis (3 credits) *Prereq.: At least "C-" in AC 332 or FN 447.* Students will apply analytical tools and techniques to financial statements to derive measurements and relationships useful for decision making. This course may be taken as an accounting elective. *Required for FN 452.* Fall.

FN 452 Case Studies in Finance (3 credits) *Prereq.: At least "C-" in FN 447 and 451.* 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 learn the religious, political, legal, and cultural aspects of the ancient, medieval, and early modern world. *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 learn 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 199 Pre-Law Orientation (1 credit) Students explore various career fields of law and learn about the key components and timeline of the law school application process. HI 199 may not be taken as an HI elective. Spring.

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; SE 306.* Offered on campus: Fall; online: Interterm, Summer.

HI 202 United States History (3 credits) Students examine developments in American society, politics, and foreign policy since the Civil War. Students also analyze distinctive features of the modern American nation using the biblical worldview. *Required for HI 405, 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. Offered on campus: Fall; online: Interterm, Summer.

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.* Students learn of 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 (1 credit) *Prereq.: BA 306 and approval from chair of humanities.* This internship of 40 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. HI 399 may not be taken as an HI elective. 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 over whelming 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.* Students learn the 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 the biblical worldview 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.

Interdisciplinary Studies

ID 351, 352 Interdisciplinary Studies Internship (2 credits each) *Prereq.: Junior or senior, at least six 300- or 400-level credits within a declared cognate, and approval from the interdisciplinary internship committee.* Students obtain practical knowledge and experience in this elective course by working with an approved organization, that correlates with the student's chosen field, for a minimum of 80 hours. Students may complete a maximum of 6 ID internship credits. *ID 351: required for ID 352.* Both sem., Interterm, and Summer.

ID 361, 362 Interdisciplinary Studies Internship (3 credits each) *Prereq.: Junior or senior, at least six 300- or 400-level credits within a declared cognate, and approval from the interdisciplinary internship committee.* Students obtain practical knowledge and experience in this elective course by working with an approved organization, that correlates with the student's chosen field, for a minimum of 120 hours. Students may complete a maximum of 6 ID internship credits. *ID 361: required for ID 362.* Both sem., Summer.

ID 430 Interdisciplinary Studies Capstone Project (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: Summer.

Mathematics

MA 099 Basic Mathematics (3 credits) *Prereq.: Placement into MA 099.* Students learn arithmetic operations with whole numbers, fractions, decimals, and negative numbers, as well as introductory algebra topics such as variables, combining like terms, substitution, formulas, and solving linear equations. Credit for MA 099 is not applicable toward math elective or graduation requirements. *Required for MA 121, 123, 125, 212.* Fall.

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, graphing techniques, algebraic functions, linear inequalities, systems of equations, and applications. MA 121 may not be taken as an MA elective by students with a secondary education mathematics concentration. Meets 4 hours a week. *Required for BA 303; CH 111; CJ 306; CS 212; MA 130, 216; NU 128, 203.* Offered on campus: Fall, Spring; online: Summer.

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MA 123 College Algebra I (3 credits) *Prereq.: Placement into MA 123 or higher.* Students learn about exponents, radicals, rational expressions, linear and quadratic equations, graphing techniques, algebraic functions, linear inequalities, systems of equations, and applications. MA 123 may not be taken as an MA elective by students with a secondary education mathematics concentration. *Required for BA 303; CH 111; CJ 306; CS 212; MA 130, 216; NU 128; 203.* 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. MA 125 may not be taken as an MA elective by students with a secondary education mathematics concentration. *Required for CJ 306, MA 216, 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 123 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.* 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, 210; MA 221, 224, 326; 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 even.

MA 216 Introduction to Statistical Reasoning (3 credits) *Prereq.: MA 121 or 123 or 125 or placement into MA 130 or higher.* Students use statistical methods for data analysis and decision-making. Students calculate descriptive statistics manually and infer conclusions based on the established techniques of confidence intervals, hypothesis testing, and regression. *Required for CS 353, FN 447, MA 330, MK 404.* Offered on campus: Fall, Spring; online: Interterm, Summer.

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.* Offered on campus: Fall, Spring; online: Interterm, Summer.

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; MA 222; 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, 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.

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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 Mathematical 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 even.

MA 302 College Geometry (3 credits) *Prereq.: MA 224.* Students use Euclidean geometry as a framework to reason deductively, construct and evaluate mathematical arguments, solve geometric problems, and communicate mathematical ideas effectively. *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 methods for solving differential equations of the first order and linear differential equations of higher order, Laplace transforms, systems of linear equations, and selected first- and second-order mathematical models. *Required for EG 321, 341; EL 223, 224, 326, 331; ME 308, 407, 415.* Offered on campus: Fall, Spring; online: Summer.

MA 326 Probability and Statistics (3 credits) *Prereq.: MA 131 or placement into MA 221; and sophomore or above.* Students describe data graphically and numerically and calculate probabilities of random variables from popular probability distributions and make inferences from sample data using methods such as ANOVA and regression. *Required for CH 432; CS 353, 376; EL 326; FN 447; MA 330, 426; ME 331, 415; MK 404.* Offered on campus: Fall, Spring; online: Summer.

MA 330 Data Analytics (3 credits) *Prereq.: At least "C-" in MA 216 or 326.* Students apply predictive and prescriptive analytics using Excel for regression, forecasting, optimization (linear programming), decision analysis, and Monte Carlo simulation to solve real business problems. 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. Fall even.

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. Offered on campus: Fall odd; online: Summer.

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.

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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 Introduction to 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.* Students apply the first and second laws of thermodynamics to the study of processes, engineering devices, and cycles and their effect on the properties of solids, liquids, and vapors. *Required for ME 408, 409.* Fall.

ME 308 Fluid Mechanics (3 credits) *Prereq.: At least "C-" in MA 321, 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 apply kinematic principles to analyze and design planar mechanisms, evaluating position, velocity, and acceleration using graphical and analytical methods. Spring.

ME 331 Manufacturing Engineering (3 credits) *Prereq.: EG 201 and credit for or concurrent enrollment in MA 326.* Students learn the manufacturing processes involved in converting raw materials into final products. Other related topics in manufacturing are addressed to prepare students as manufacturing professionals as well as for the Certified Manufacturing Technologist (CMfgT) certification. Fall.

ME 361, 461 Mechanical Engineering Practicum (1 credit each) *Prereq.: Sophomore or above; 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 facility supervised by a practicing professional. Students are required to document their involvement and contemplate details related to technical competency, teamwork, communication, and professionalism observed in engineering scenarios. *ME 361: required for ME 461.* Both sem., Interterm, and Summer.

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ME 405 Automatic Control Systems (3 credits) *Prereq.: EG 210 and at least "C-" in EG 321.* 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.* Students measure design parameters and determine operating points for selected thermal and mechanical systems. Students document operating experience with 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 and analysis of machine components and are introduced to finite element analysis software. Student teams begin the process of designing and building an electric-powered vehicle. 2 hours lecture, plus lab. *Required for ME 413.* Fall.

ME 413 Machine Design II (3 credits) *Prereq.: ME 412.* Students design and analyze machine components required in a power transmission system, with emphasis on designing to specification while preventing failure for different types of loading. Student teams complete the process of designing and building an electric-powered vehicle. Computer-aided design 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 442 Senior Mechanical Engineering Design (3 credits) *Prereq.: Senior in last two semesters.* 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.* Students gain practical missions experience through active participation during 7–14 days of cross-cultural ministry in the United States or abroad. 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 307 World Religions (2 credits) *Prereq.: BI 251 and 252.* Students use the Scriptures to evaluate and refute false doctrines while examining the history, beliefs, and cultural practices of world religions and prominent religious cults. Students learn methods to effectively communicate the gospel to those practicing these religions. Fall.

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) Students learn strategies for facing current challenges on the field, including ecumenism in missions associations, the charismatic movement, methods for targeting unreached groups, rising costs, and other developing trends in missions. 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 304 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. Fall, Spring.

MK 307 Advertising (3 credits) *Prereq.: MK 304.* 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. *Required for MK 400, 404.* 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.

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MK 365 Consumer Behavior (3 credits) *Prereq.: MK 304.* Students create consumer behavior models to inform their marketing research and gain insights that guide strategy development for marketing management, sales, or advertising. Spring.

MK 400 Social Media Marketing (3 credits) *Prereq.: MK 307.* Students will learn how social media and influencer marketing can contribute to the overall marketing mix. Students will learn to use multiple social media outlets and social media tools. 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 Summer.

MK 404 Marketing Research (3 credits) *Prereq.: MK 307; and MA 216 or 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.

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.

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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.* To continue developing listening, speaking, reading, and writing skills, students expand vocabulary, refine use of verb tenses, and strengthen understanding of key grammatical structures including adverbs, prepositions, conjunctions, and word-building elements. Selected readings from Spanish-language literature support comprehension and enrich cultural discussion. Meets 4 hours a week. *Required for ML 321, SE 305.* 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.

Management

MN 303 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. *Required for MN 340, 351, 411.* Fall, Spring.

MN 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.

MN 340 Organizational Behavior (3 credits) *Prereq.: At least "C-" in MN 303.* Students will learn individual and team behavior in an organizational setting and leadership practices by applying underlying organizational behavior theories. The practical applications and implications for organizations are also covered. Fall.

MN 351 Human Resource Management (3 credits) *Prereq.: At least "C-" in MN 303.* Students learn how the human resource function contributes to organizational performance through basic personnel functions used by HR specialists and operating managers. Spring.

MN 411 Operations Management (3 credits) *Prereq.: AC 305, MN 303, 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.

MN 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.

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MN 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.

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, 226, 307, 308, 410.* 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. *MU 105: required for MU 106. MU 106: required for MU 205.* MU 105: Fall. MU 106: Spring.

MU 116–417 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 117, each level required for the next one.*

MU 118–319; 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.* 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 329, 401.* Spring.

MU 205–206 Intermediate Hymnplaying (1 credit each) *Prereq.: Audition.* These courses continue to build on skills learned in MU 105–106 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.* 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. Offered on campus: Fall, Spring; online: Interterm, Summer.

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 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. Fall.

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.: 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.* Students learn how to establish band and orchestra programs and gain practical experience in teaching individual music lessons and 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 even.

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.* 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.: 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 Voices of PCC (1 credit each) *Prereq.: Audition.* The Voices of PCC is an iconic vocal group composed of approximately 20 members that performs for PCC music videos, Student Body programs, Christmas Lights Celebration, and various other 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.* The Symphonic Choir is composed 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 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 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.

PC 151–452 Handbell Choir (1 credit each) *Prereq.: Audition.* The Handbell Choir is a bell choir of approximately 13 ringers that performs for 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, voice, or choral conducting 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. *PI 111: required for PI 112, each level required for the next one. PI 212: required for MU 231.* 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.

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 presents a classical concert every semester. Other potential opportunities include performing with choral groups, participating in seasonal productions, and accompanying musical stage productions. *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 detaché 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 and MA 121 or 123.* 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 190 NCLEX-RN Readiness (0 credits) Students complete a personalized study plan in preparation for success on the NCLEX-RN. Students review concepts in fundamentals and pathophysiology. Fall.

NU 203 Foundations of Professional Nursing (4 credits) *Prereq.: Valid CPR card; at least "C-" in BY 201, EN 121 or 123, EN 126, MA 121 or 123, 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. 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.* Students develop basic nursing skills using the nursing process through using simulators and medical equipment in the laboratory setting. 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. 4 hours lecture. *Required for NU 210, 226, 305, 306, 314.* Spring.

NUL 207 Beginning Medical-Surgical Nursing Clinical (1 credit) *Coreq.: NU 207.* Students refine basic nursing skills by using the nursing process and identifying evidence-based practice to provide safe, quality, patient-centered nursing care to adult and geriatric patients in acute and long-term care or simulated settings. 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 the 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 290 NCLEX-RN Readiness (0 credits) Students complete a personalized study plan in preparation for success on the NCLEX-RN. Students review concepts in obstetrics, growth and development, psychiatric nursing, and assessment. Spring.

NU 305 Maternity Nursing (4 credits) *Prereq.: Valid CPR card; at least "C-" in all 200-level nursing courses and NU 314; successful completion of Kaplan integrated testing or concurrent enrollment in NU 190; 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. 4 hours lecture. *Required for NU 307, 308, 401, 406, 407.* Fall.

NUL 305 Maternity Nursing Clinical (2 credits) *Coreq.: NU 305.* Students develop clinical reasoning skills as they apply the nursing process to provide safe and quality care to childbearing families. Students gain experience through simulation and in various ambulatory and hospital agencies that provide antepartum, intrapartum, postpartum, and neonatal care. 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; successful completion of Kaplan integrated testing or concurrent enrollment in NU 190; at least "C-" or concurrent enrollment in PS 206 and 323; and credit for or concurrent enrollment in NUL 306.* Students analyze mental, emotional, and behavioral disorders and investigate causal factors contributing to the progression of mental illness. Students utilize the nursing process and evidence-based practice to meet the needs of clients with mental disorders and their families through therapeutic relationships. Although disorders are stressed, emphasis is placed on the promotion of mental and spiritual health through the biblical worldview. 3 hours lecture. *Required for NU 307, 308, 401, 406, 407.* Fall.

NUL 306 Psychiatric-Mental Health Nursing Clinical (2 credits) *Coreq.: NU 306.* Students provide direct nursing care to diverse individuals and families experiencing psychiatric issues across the lifespan. Guided by the biblical worldview, students use therapeutic communication and apply mental health principles in simulated lab, acute care, and community settings. 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; successful completion of Kaplan integrated testing or concurrent enrollment in NU 290; 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. 4 hours lecture. *Required for NU 401, 406, 407.* Spring.

NUL 307 Medical-Surgical Nursing Clinical (2 credits) *Coreq.: NU 307.* Students provide high-quality, patient-centered nursing care to diverse, adult medical-surgical patients. Students refine clinical reasoning skills by applying the nursing process; evidence-based practice; and delegation skills in lab, simulation, and a variety of acute-care hospital clinical settings. 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; successful completion of Kaplan integrated testing or concurrent enrollment in NU 290; 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. 3 hours lecture. *Required for NU 401, 406, 407.* Spring.

NUL 308 Pediatric Nursing Clinical (2 credits) *Coreq.: NU 308.* Students develop clinical reasoning skills as they apply the nursing process to provide safe and quality care to healthy and ill pediatric patients and their families. Students gain experience through simulation and in various ambulatory and hospital agencies. 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 390 NCLEX-RN Readiness (0 credits) Students complete a personalized study plan in preparation for success on the NCLEX-RN. Students review concepts in medical-surgical nursing, pediatrics, and pharmacology. Fall.

NU 401 Community Health Nursing (3 credits) *Prereq.: Valid CPR card; at least "C-" in all junior-level nursing courses; successful completion of Kaplan integrated testing or concurrent enrollment in NU 390; 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. 3 hours lecture. *Required for NU 408.* Fall.

NUL 401 Community Health Nursing Clinical (2 credits) *Coreq.: NU 401.* Students apply the nursing process to individuals, families, and culturally diverse populations in the community with emphasis on health promotion, disease prevention, education, and restorative health. Learning experiences are provided in various community settings. 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; successful completion of Kaplan integrated testing or concurrent enrollment in NU 390; 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. 3 hours lecture. *Required for NU 408.* Fall.

NUL 407 Advanced Medical-Surgical Nursing Clinical (2 credits) *Coreq.: NU 407.* Students provide high-quality, patient-centered nursing care to diverse adult patients with highly complex and life-threatening illnesses. Students continue to develop clinical reasoning skills by integrating the nursing process, evidence-based practice, and advanced nursing skills through learning experiences in simulation, medical-surgical, and critical-care clinical settings. 6 hours clinical experience. Fall.

NU 408 Preceptorship (6 credits) *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. *Required for NU 490.* Spring.

NU 410 Issues and Trends in Professional Nursing (2 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 (2 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. 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 NCLEX-RN Review (2 credits) *Prereq.: Credit for or concurrent enrollment in NU 408.* Students will complete comprehensive review of core nursing content and computer-based practice exams in preparation for the National Council Licensure Examination for the RN (NCLEX-RN). Fall, Spring.

Office Administration

OA 101 Beginning Keyboarding (3 credits) Students learn the touch system of keyboarding and develop straight-copy accuracy and speed using correct keyboarding techniques. Students also type basic business documents. *Required for OA 150; SE 313.* Fall, Spring.

OA 150 Keyboarding Speed/Accuracy Development (1 credit) *Prereq.: At least "C-" in 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.* Fall, Spring.

Highlighted text indicates a change from the original version of the Catalog.

OA 201 Document Processing (3 credits) *Prereq.: CS 101; and credit for or concurrent enrollment in OA 150.* Students develop proofreading skills and efficiently produce business letters, reports, and tables in mailable form. Foundational document design concepts are also discussed. *Required for OA 301, 318; SE 313.* Fall, Spring.

OA 210 Records Management (2 credits) Students will learn procedures and ARMA rules for indexing and storing documents in alphabetic, numeric, geographic, and subject systems. Applications include electronic storage/retrieval and processing correspondence for each filing method. 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 payroll and journalizing of various business activities. 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.* 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.: At least "C-" in OA 150.* 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 301.* Fall, Spring.

OA 301 Applied Office Technology (3 credits) *Prereq.: BA 220, 330, at least "C-" in OA 201, and credit for or concurrent enrollment in OA 250.* Students continue developing proofreading skills and learn advanced document processing skills using Microsoft Word. Students will also develop basic skills in Microsoft Excel, Access, PowerPoint, Outlook, and Teams with an emphasis on integrating all Microsoft Office applications. Fall, Spring.

OA 318 Office Procedures (3 credits) *Prereq.: BA 220, OA 201, 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 327, 329.* Fall.

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OA 324 Healthcare Documentation and Medical Transcription I (4 credits) *Prereq.: BA 220, OA 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, AHDI clinical documentation style and standards, and proofreading skills. *Required for OA 424.* Fall.

OA 326 Medical Insurance and Billing (3 credits) Students will learn principles and practices related to government and private insurance companies on behalf of clients. 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.: At least "C-" in CS 101; and junior or senior, or office systems concentration in last semester.* 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. Spring.

OA 418 Office Administration (3 credits) *Prereq.: Junior or senior with a four-year concentration in office or medical office administration.* Students learn the functions of management, effective office-management principles, employment laws, leadership decision-making, and office design. Special emphasis is given to project management. Spring.

OA 424 Healthcare Documentation and Medical Transcription II (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 (AHDI) 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 107 Beginning Volleyball Fall.

PE 121/131 Beginning Basketball Spring.

PE 125 Racquetball Fall.

PE 129 Pickleball 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 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. PE 243: Fall, Spring. PE 293: 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. PE 283: Fall, Spring. PE 273: Fall.

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 Life guarding (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) 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, 328; SE 317.* Fall.

PE 187 Spring Team Sports (2 credits) 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 207, 323, 333, 392; SE 317.* Spring.

PE 191 Sports 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 314, 368.* Fall, Spring.

PE 195 Elementary PE Activities (1 credit) Students learn the fundamental rules and skills of basketball, softball, volleyball, and soccer appropriate for working with elementary PE classes. Meets 2 hours a week. *Required for EE 308.* Fall, Spring.

PE 196 Introduction to Coaching (1 credit) 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.* 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 187 (or youth ministries broad field) and PE 196*. 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 184 (or youth ministries broad field) and 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 314 Motor Learning (3 credits) *Prereq.: PE 191 or SC 112.* Students acquire knowledge of motor learning and skill development in various age groups and develop strategies for teaching and evaluation. Spring.

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PE 321 Kinesiology (2 credits) 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 subfields 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, 403.* Spring.

PL 280 American Government (3 credits) Students analyze the constitutional foundation for America's system of government and evaluate its institutional and behavioral politics. This course may be taken as a social science elective. *Required for PL 313, 321, 356; SE 306.* Offered on campus: Fall, Spring; online: Interterm, Summer.

PL 292 Research and Writing in Political Science (2 credits) *Prereq.: EN 126, sophomore or above, and political science concentration.* Students develop research questions and craft theories for written assignments while evaluating journal articles for clarity and style. *Required for PL 407.* Spring.

PL 303 State and Local Government (3 credits) Students learn various political theories of state government by examining federalism, police power, and state sovereignty and analyzing major functions of state and local political systems. This course may be taken as a history elective by history major, minor, or teaching field; or as a social science elective. Spring.

PL 313 Political Parties, Campaigns, and Elections (3 credits) *Prereq.: PL 280 and sophomore or above.* Students learn about America's political parties and evaluate their influence on voter behavior and the electoral system. Spring odd.

PL 321 American Public Policy (3 credits) *Prereq.: PL 280 and sophomore or above.* Students study public policy formation and evaluate federal policy decisions. Fall even.

PL 356 American Constitutional Law (3 credits) *Prereq.: PL 280 and sophomore or above.* Students study the United States Constitution and examine how the Supreme Court has interpreted the constitutional powers of federal and state governments as well as how the Court evaluates individual rights and freedoms. *Required for PL 426.* Spring.

PL 381 International Relations (3 credits) *Prereq.: PL 207.* Students learn various paradigms of international relations, applying the biblical worldview to geopolitical events and examining the impact of international issues on American politics. Fall odd.

PL 402 Ancient and Medieval Political Philosophy (3 credits) *Prereq.: PL 207 and junior or senior.* Students examine major ancient and medieval political philosophies relating to leadership, statecraft, virtue, religion, and human nature from the biblical worldview, while tracing their continued influence on Western Civilization. Fall.

PL 403 Modern Political Philosophy (3 credits) *Prereq.: PL 207 and junior or senior.* Students contrast political philosophies from the Enlightenment to the Modern Era concerning the origins of the state while also examining the purpose of institutions that have shaped politics and society. Spring.

PL 407 Political Science Research Methods (3 credits) *Prereq.: MA 125, PL 292, and junior or senior political science concentration.* Students apply the scientific method to political science research using quantitative and qualitative methodology. *Required for PL 441.* Fall even.

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 426 Moot Court (3 credits) *Prereq.: PL 356.* Students prepare a legal argument on a given constitutional issue and present written and oral arguments in a simulated appellate court setting. Fall.

PL 441 Senior Seminar in Political Science (3 credits) *Prereq.: PL 407.* This capstone course requires students to develop and defend original research in political science. Spring odd.

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. Offered on campus: Spring; online: Interterm, Summer.

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.

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.

Highlighted text indicates a change from the original version of the Catalog.

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.

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 224 Media in Ministry (3 credits) Students learn a biblical philosophy and strategy for using digital technology in church ministry, including data infrastructure, software, social media, audio, and video. Spring.

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. Offered on campus; Fall, Spring, online: Interterm, Summer.

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 313.* Fall.

PR 313 Organization and Administration of Youth Ministry (2 credits) *Prereq.: PR 312.* Students focus on the practical application of ministry to teenagers, including organization and administration of activities and services, recruiting and oversight of volunteers, and outreach. The course includes observations of a local church youth ministry. 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 Ministerial Internship 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 251, 252, and senior.* 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.* This course is designed to involve the 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. 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 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. 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 Ministerial Internship 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.

Psychology

PS 206 General Psychology (1 credit) *Prereq.: Junior or senior; and nursing major or biblical counseling minor, broad field, or emphasis.* 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 or biblical counseling concentration 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, Spring.

PS 217 Dynamics of Human Behavior (3 credits) *Prereq.: Sophomore or above.* Students will learn how thoughts, feelings, and behaviors are shaped by the presence of others and will examine scientific theories used in legal and clinical settings from the biblical worldview. This course may be taken as a social science elective. *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 or biblical counseling minor, broad field, or 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 312; PS 206, 211, or 217; 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 minor. *Required for MK 402.* Fall, Spring.

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 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 minor. Spring.

PW 331 Poetry Writing (3 credits) *Prereq.: EN 301.* Students will analyze works of established poets and will learn to write poetry using various techniques and forms. Spring.

PW 401 Fiction Writing (3 credits) *Prereq.: At least "C-" in EN 301.* Students will learn to craft fictional stories by analyzing the works of established authors and applying advanced narrative techniques. *Required for PW 404, 406.* Fall.

PW 404 Editing for Publication (3 credits) *Prereq.: EN 302 and PW 401.* This course builds on the principles learned in EN 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 minor. Spring.

PW 406 Creative Nonfiction (3 credits) *Prereq.: EN 302, PW 325, 401, 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, 302, PW 305, and senior professional writing concentration.* Students prepare a professional-quality portfolio. Fall, Spring.

PW 422 Professional Writing Internship (2 credits) *Prereq.: EN 301, 302, PW 305, 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. *Required for BY 352.* 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. *Required for PE 314.* 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. Spring.

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.

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SC 242 Basics of Pharmacy Practice (2 credits) *Prereq.: BY 105 and CH 107; or 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 270 Science and Apologetics (3 credits) Students will learn evidence of creation in geology, astronomy, and biology with emphasis on apologetics for biblical creation. Fall, 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 research experience in an approved off-campus facility. *Required for SC 371, each level required for the next one.* Both sem., Interterm, and Summer.

SC 299 Research Methods (2 credits) *Prereq.: BY 112 or CH 112.* 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 BY 391, CH 391, 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. Spring.

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.* Students learn the materials and general methods employed in teaching on the secondary level (grades 7–12), including classroom observation of skilled teachers. Students gain practical experience through peer teachings. *Required for ED 211, 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 and approval from chair of education.* Students gain practical classroom experience in an approved Christian junior high or high school under the supervision of an experienced teacher. Students normally complete this 45-hour practicum in the vicinity of their 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 and at least "C-" in completed teaching field courses and SE 201. Additional prereqs. listed beside courses below.* Students observe, learn, practice, and perform the traditional methodology pertaining to a specific secondary teaching field. Practical components of each methods course are the observation of skilled teachers and the peer teaching experience.

SE 304 Teaching English (3 credits) *Additional prereq.: EN 251, 252, 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 280.* 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.: BY 112, 201, 202, and CH 111 (or 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 odd.

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.* In this capstone course, secondary 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.*

Speech

SP 101 Fundamentals of Speech (3 credits) Students learn and apply public speaking principles and techniques, emphasizing manuscript, impromptu, and extemporaneous delivery styles. *Required for SP 102, 201, 207, 250, 410.* Fall, Spring.

SP 102 Introduction to Interpretive Speech (3 credits) *Prereq.: SP 101.* Students develop and apply foundational interpretive techniques for narration and characterization. *Required for SE 309; SP 203, 240, 244, 245, 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 even.

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 resonation 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 odd.

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 245–246 Performance Studio (1 credit each) *Prereq. for SP 245: SP 102; prereq. for SP 246: SP 245.* The student receives personalized instruction in interpretive speech. *SP 245: required for SP 246.* Fall, 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 Acting I (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. *Required for SP 404.* 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 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. Fall odd.

SP 404 Acting II (3 credits) *Prereq.: SP 304.* Students develop acting technique, conduct research, and perform with an emphasis on characterization. Spring.

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. 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. 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

Mr. Gary Gerrard
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Executive Administration

Troy Shoemaker . . . . . President
M.S., Pensacola Christian College
Ed.S., University of West Florida
Ed.D., Pensacola Christian College

Joshua Birx . . . . . Executive Assistant to President
M.S., Ed.S., Pensacola Christian College

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M.S., University of Southern Mississippi
Ph.D., Walden University

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M.F.A., Pensacola Christian College
Ed.D., Liberty University

Greg Mutsch . . . . . Vice President for Ministry Relations
M.Div., Central Baptist Theological Seminary
Ed.D., Bob Jones University
D.Min., Trinity Evangelical Divinity School

Jim Thompson . . . . . Chief Financial Officer
M.Acc., University of West Florida

Brandon Green . . . . . Chief Operations Officer

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Administration

Amy Bombard . . . . . Dean of Visual and Performing Arts
Doctoral study: University of Iowa
M.S., D.M.A., Pensacola Christian College

Eric Bryant . . . . . Dean of Professional Studies
M.S., Pensacola Christian College
M.S., University of West Florida
Ed.D., Liberty University

John Cuendet . . . . . Chair of Business
M.B.A., Pensacola Christian College
Ph.D., Northcentral University

Michael Geary . . . . . Chair of Engineering and Computer Science
M.S., University of West Florida
D.C.S., Colorado Technical University

David Gregory . . . . . Chair of Education
M.S., Ed.S., Pensacola Christian College
M.Ed., University of Southern Mississippi
Ed.D., Liberty University

Heather Hartkopf . . . . . Chair of Nursing
M.S.N., Pensacola Christian College
D.N.P., Chamberlain University

Greg Hewitt . . . . . Chair of Visual Arts
M.F.A., Pensacola Christian College

Denise McCollim . . . . . Dean of Arts and Sciences
M.S.N., D.N.P., University of South Alabama

Jonathan McIntyre . . . . . Chair of Performing Arts
M.A., Pensacola Christian College
D.M., Florida State University

Lauren McIntyre . . . . . Chair of Liberal Arts
M.S., Pensacola Christian College
M.A., Mercy College
Ph.D., Faulkner University

Dan Rushing . . . . . Dean of Biblical Studies, Dean of Pensacola Theological Seminary
M.A., Pensacola Christian College
M.Div., D.Min., Pensacola Theological Seminary
D.Min., Liberty Theological Seminary

Marie Thompson . . . . . Chair of Humanities
M.A., University of West Florida
Ph.D., Indiana University of Pennsylvania

Aresia Watson . . . . . Chair of Natural Sciences
M.S., University of West Florida
Ph.D., University of Southern Mississippi
Graduate study: Biola University, Southern Evangelical Seminary

Jody Wolf . . . . . Chair of Bible
M.Div., D.Min., Pensacola Theological Seminary
Th.M., New Orleans Baptist Theological Seminary
Doctoral study: New Orleans Baptist Theological Seminary

Administrative Staff and Directors

Rob Achuff
Director of PCC Care

Taylor Allen
Director of Student Activities

Reggie Bartkowski
Chief of Safety and Security

Rebekah Crouse
Library Director

Mike Davis
Dean of Graduate Students

Mark Goetsch
Athletic Director

Sara Nipper
Director of Academic Initiatives

Bryan Paul
Alumni and Career Services Specialist

Brad Phillips
Dean of Student Life

Adam Schroder
Registrar

Denise Shoemaker
Assistant to the President

Mark Smith
Director of Institutional Effectiveness

Matt Smith
Director of Online Learning

Jon Tutton
Director of Guest Services

Faculty, Full-Time

Gloria Abogunrin
Assistant Teaching Professor—English
M.A., M.C.M., Pensacola Theological Seminary
Ed.S., Ed.D., Pensacola Christian College

Rochelle Achuff
Associate Teaching Professor—Education/General, Elementary Education
M.S., Ed.S., Pensacola Christian College
Ed.D., Liberty University

Carlos Alvarez
Teaching Professor—Science/Biology, Science/Chemistry, Sociology
M.S., National Agricultural University
Ph.D., University of Georgia
Ed.D., University of West Florida

Jeff Amsbaugh
Teaching Professor—Bible, Practical Training
M.Div., Luther Rice Seminary
D.Min., Temple Baptist Seminary

Faith Anderson
Assistant Teaching Professor—Computer Applications, Office
M.Ed., Liberty University
Ph.D., University of the Cumberlands

Mark Baral
Assistant Teaching Professor—Art
M.A., M.F.A., Pensacola Christian College

Sarah Barra, RN
Instructor—Nursing
M.S.N., Pensacola Christian College

Kathy Bishop, RN
Instructor—Nursing
M.S.N., Pensacola Christian College

Amy Bombard
Teaching Professor—Music/General, Music History, Music/Keyboard
Doctoral study: University of Iowa
M.S., D.M.A., Pensacola Christian College

Charles Bombard
Teaching Professor—Music/Strings
Doctoral study: University of Iowa
M.S., D.M.A., Pensacola Christian College

Caleb Bomske
Assistant Teaching Professor—Science/Biology
M.S., University of Nebraska, Kearney
Ph.D., Kansas State University

Lauri Lou Borges
Assistant Teaching Professor—English
M.S., Ed.D., Pensacola Christian College
Graduate study: Mid-America Baptist Theological Seminary

Tim Bozeman
Instructor—Science/Biology
M.S., University of Nebraska, Kearney
Doctoral study: Liberty University

Sandra Brazil
Associate Instructor—English, Literature
M.S., Pensacola Christian College
Graduate study: University of Southern Mississippi
Doctoral study: Liberty University, State University of New York—Buffalo

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Eric Bryant
Assistant Teaching Professor—Education/General, Secondary Education
M.S., Pensacola Christian College
M.S., University of West Florida
Ed.D., Liberty University

Brian Bucy
Assistant Teaching Professor—Bible, Missions
M.A., Pensacola Christian College
M.A., Grace Theological Seminary
D.Min., Baptist Bible Seminary

Jacob Burdick
Associate Instructor—Political Science
M.S., Liberty University
M.A., Regent University
M.A., Georgia State University
Doctoral study: Georgia State University, Salve Regina University

Heather Byars
Senior Instructor—English
M.S., Pensacola Christian College
Doctoral study: Indiana University of Pennsylvania

Jon Byars
Senior Instructor—History
M.S., Pensacola Christian College
Doctoral study: Liberty University

Lucas Canada
Associate Instructor—Music/Strings
M.M., Penn State University

Matheus Canada
Associate Instructor—Music/General, Music/Strings
M.A., Pensacola Christian College
M.A., University of South Florida

Kevin Capaldo
Assistant Teaching Professor—Mechanical Engineering
Ph.D., Carnegie Mellon University

Andy Cole
Associate Instructor—Music/Voice
M.A., Pensacola Christian College
M.A., University of South Florida

Darlyn Cole
Senior Instructor—Music/General, Music/Voice
M.A., Pensacola Christian College
M.M., Ball State University

Michael Colucci
Teaching Professor—Bible, Greek, Practical Training
M.Div., D.Min., Pensacola Theological Seminary
Graduate study: New Orleans Baptist Theological Seminary

Jamie Conlon
Instructor—Speech
M.S., Pensacola Christian College

Taya Craig
Associate Instructor—Business Administration, Computer Applications
M.B.A., Alaska Pacific University
Graduate study: Bob Jones Seminary

Caleb Crocker
Associate Instructor—History, Political Science
M.S., Pensacola Christian College
M.S., Liberty University
Doctoral study: Liberty University

John Cuendet
Associate Teaching Professor—Finance
M.B.A., Pensacola Christian College
Ph.D., Northcentral University

Brad Davis
Teaching Professor—Mathematics
M.S., West Virginia University
Ph.D., University of Louisiana at Lafayette

Denise Davis
Senior Instructor—Family/Consumer Sciences
M.S., University of Southern Mississippi

Grant De Jong
Associate Teaching Professor—Science/Biology, Science/General
M.S., University of Nebraska, Lincoln
Ph.D., Mississippi State University

Joseph A. Digangi
Assistant Teaching Professor—Art, Art History
M.F.A., Northern Illinois University
Graduate study: Liberty University

Joseph D. Digangi
Associate Instructor—Bible, Greek
M.A., M.Div., Pensacola Theological Seminary
Doctoral study: Midwestern Baptist Theological Seminary

Nate Drushinin
Teaching Professor—Art
M.F.A., Pensacola Christian College

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Scott Earley
Instructor—Accounting
M.B.A., Pensacola Christian College

Maybeth Elliott, RN
Teaching Professor—Nursing
M.S.N., University of South Alabama
Ph.D., Walden University

Amy Emtage, RN
Assistant Teaching Professor—Nursing, Science/Biology
M.D., American University of Barbados

Rick Enders
Associate Teaching Professor—Special Education
M.A., Ed.S., University of West Florida
Ed.D., Pensacola Christian College

Tiffany Fennell
Instructor—Graphic Design
M.A., Pensacola Christian College

Blake Ferrell
Assistant Teaching Professor—Speech
M.F.A., Pensacola Christian College

Doug Freeman, CMA, CPA
Associate Instructor—Accounting
M.B.A., Bethel College

Heather Fulfer
Senior Instructor—English
M.S., Pensacola Christian College
Graduate study: Liberty University

Amanda Gardner
Associate Instructor—Speech
M.S., Pensacola Christian College

Avery Gardner
Associate Instructor—Science/General
M.S., Pensacola Christian College
M.A., Liberty University
Doctoral study: Liberty University

Michael Geary
Teaching Professor—Computing
M.S., University of West Florida
D.C.S., Colorado Technical University

Cléusia Gonçalves
Teaching Professor—Music/Conducting
M.A., Pensacola Christian College
D.M.A., Louisiana State University

Pitagoras Gonçalves
Teaching Professor—Music/General, Music/Keyboard
M.A., Pensacola Christian College
D.M.A., Louisiana State University

Nathaniel Goodson
Associate Instructor—History
M.S., Pensacola Christian College
Doctoral study: Faulkner University

Cindy Graby
Senior Instructor—Music/Keyboard
M.A., Louisiana State University

Cheryl Gregory
Teaching Professor—Educational Psychology, English, Professional Writing
M.S., Ed.S., Pensacola Christian College
M.A., Eastern Washington University
Ed.D., Liberty University

David Gregory
Associate Teaching Professor—Education/General, Educational Psychology
M.S., Ed.S., Pensacola Christian College
M.Ed., University of Southern Mississippi
Ed.D., Liberty University

Tracey Haire, RN
Associate Teaching Professor—Nursing
M.S., D.N.P., Walden University

Heather Hartkopf, RN
Assistant Teaching Professor—Nursing
M.S.N., Pensacola Christian College
D.N.P., Chamberlain University

Warren Haughton
Instructor—Bible
M.A., Pensacola Christian College
M.Div., Liberty Baptist Theological Seminary
Doctoral study: Chapman Seminary

Abbie Herman, RN
Instructor—Nursing
M.S.N., Chamberlain University

Greg Hewitt
Teaching Professor—Graphic Design
M.F.A., Pensacola Christian College

Philip Holmes
Associate Teaching Professor—Business Administration
M.B.A., Pensacola Christian College
Ph.D., University of South Alabama

David Hubbart
Associate Instructor—Education/General, Physical Education
M.S., Pensacola Christian College
M.S.S., U.S. Sports Academy

Steve Hutcheson
Associate Instructor—Bible
M.Div., Pensacola Theological Seminary

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Joshua Hutt
Assistant Teaching Professor—Communication, Speech
M.S., Pensacola Christian College
Ph.D., Liberty University

Nick Iwanowycz
Senior Instructor—Finance
M.B.A., Cornell University

Daisy Jaffé
Artist in Residence—Music/Keyboard
Artist Diploma, Conservatorio Musical "Carlos Gomes," Brazil

Andrew Johnson
Associate Instructor—Bible, Biblical Counseling
M.Div., Pensacola Theological Seminary
Doctoral study: Mid-America Baptist Theological Seminary

Zaka Kakene
Instructor—Science/General
M.S., Pensacola Christian College
Graduate study: Liberty University

Mandy Kasprzyk
Assistant Teaching Professor—Business Administration, Marketing
M.B.A., Pensacola Christian College
Ph.D., University of South Alabama

Caleb Knepper
Instructor—Engineering/General, Mechanical Engineering
M.A., Pensacola Theological Seminary
Graduate study: Auburn University

Kevin Kove
Associate Instructor—Mathematics
M.S., Pensacola Christian College

Lee Kove
Instructor—Science/Chemistry
M.S., Ohio University

Elisabect Kozar
Senior Instructor—Spanish
M.S., Pensacola Christian College
M.A., Florida State University

Nick Kozar
Associate Instructor—Music/General, Music/Instrumental
M.S., Ed.S., Pensacola Christian College

Benjamin Lane
Teaching Professor—Mathematics
M.S., Ed.S., Pensacola Christian College
M.S., University of South Alabama
Ed.D., Liberty University
Graduate study: Penn State University

Cheree Lewis, RN
Senior Instructor—Nursing, Psychology
M.S.N., University of South Alabama
M.A., Liberty University

Craig Lewis
Senior Instructor—Physical Education, Sport Management
M.S., University of West Florida

Sean Londrigan
Instructor—Engineering/General, Mechanical Engineering
M.S., George Washington University

Greg Lowhorn
Associate Teaching Professor—Economics
M.B.A., Murray State University
M.A., Luther Rice Seminary
Ph.D., Regent University
Graduate study: West Texas A&M University

Nikki Martinez
Senior Instructor—English, Literature
M.S., Pensacola Christian College
Doctoral study: Indiana University of Pennsylvania

Jonathan McIntyre
Associate Teaching Professor—Music/General, Music/Keyboard
M.A., Pensacola Christian College
D.M., Florida State University

Lauren McIntyre
Assistant Teaching Professor—English, Literature
M.S., Pensacola Christian College
M.A., Mercy College
Ph.D., Faulkner University

Tim McLaughlin
Assistant Teaching Professor—Biblical Counseling
M.A.R., Liberty Theological Seminary
M.A., D.Min., Pensacola Theological Seminary

Kirk Meester
Associate Instructor—Science/Chemistry
M.S., University of Saint Joseph

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Gregory Miller
Senior Instructor—English
M.S., Pensacola Christian College
Doctoral study: Indiana University of Pennsylvania

Chad Morehead
Assistant Teaching Professor—Multimedia
M.A., University of Nebraska, Lincoln
M.F.A., Asbury University

Jordan Nichols
Instructor—Computing
M.S., University of West Florida

Stephanie Nistler
Associate Instructor—Science/Biology
M.S., University of South Alabama

Sarah Oberto
Assistant Teaching Professor—English, TESOL
M.S., Pensacola Christian College
D.A., Murray State University

Carrie Ordway
Assistant Teaching Professor—History, Latin
M.S., Pensacola Christian College
Graduate study: The Catholic University of America, Kent State University, Gettysburg College
Ph.D., Faulkner University

Garett Ordway
Assistant Teaching Professor—Statistics
M.S., University of Nebraska, Lincoln
Graduate study: University of West Florida
Ph.D., Florida State University

Ashley Pancoast, RN
Instructor—Nursing
M.S.N., Colorado Christian University

Richard Park
Instructor—Physical Education
M.S., University of Hawaii, Manoa
M.Div., Pensacola Theological Seminary

Jennifer Parker, RN
Associate Instructor—Nursing
M.P.H., Liberty University

Gustavo Peterlevitz
Teaching Professor—Music/General, Music/Keyboard
M.A., Pensacola Christian College
M.Div., Pensacola Theological Seminary
D.M.A., James Madison University

Jeremy Pittman
Instructor—Missions, Practical Training
M.A., Pensacola Theological Seminary
Ed.S., Pensacola Christian College
Doctoral study: Pensacola Christian College

Ashley Pombo, RN
Assistant Teaching Professor—Nursing
M.S.N., D.N.P., University of South Alabama

Jesse Poulin
Instructor—Science/General
M.S., Pensacola Christian College
Graduate study: University of Ohio

Josh Poulin
Associate Instructor—Psychology, Science/Biology
M.S., Pensacola Christian College
M.A., Liberty University
Doctoral study: Grand Canyon University

Brittany Preston
Associate Instructor—History
M.S., Pensacola Christian College

Elijah Principe
Associate Teaching Professor—Graphic Design
M.A., M.F.A., Pensacola Christian College

Kevin Quito
Assistant Teaching Professor—Science/Biology
M.S., Pensacola Christian College
Ph.D., University of Southern Mississippi

Erin Rasmussen
Senior Instructor—Mathematics
M.S., Pensacola Christian College

John Reese
Teaching Professor—History
M.S., Pensacola Christian College
Ph.D., Florida State University

Benjamin Reid
Associate Instructor—Science/General
M.S., Pensacola Christian College

David Richards
Associate Instructor—Bible, Greek
M.A., M.Div., Pensacola Theological Seminary
Graduate study: Baptist Bible Seminary
Doctoral study: Pensacola Theological Seminary

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James Ridgley
Associate Teaching Professor—Science/Chemistry, Science/Physics
M.S., Ed.S., Ed.D., Pensacola Christian College
Ph.D., University of Southern Mississippi

Juliane Roberts
Instructor—Elementary Education
M.S., Pensacola Christian College

Dan Rushing
Teaching Professor—Bible, Practical Training
M.A., Pensacola Christian College
M.Div., D.Min., Pensacola Theological Seminary
D.Min., Liberty Theological Seminary

Ron Schmuck, CPA
Teaching Professor—Accounting
M.B.A., University of West Florida
Ph.D., Northcentral University

Marshall Schrock
Instructor—Mathematics
M.S., University of North Alabama

Rachel Schroder, RN
Senior Instructor—Nursing
M.S.N., Pensacola Christian College

Jared Sellars
Associate Instructor—Physical Education, Sport Management
M.S.S., U.S. Sports Academy
Doctoral study: U.S. Sports Academy

Caleb Sill
Associate Teaching Professor—Art
M.F.A., Pensacola Christian College

Daniel Skutt
Senior Instructor—Mathematics
M.S., Pensacola Christian College
M.S., University of West Florida
Doctoral study: Florida State University

Steven Sleeth
Teaching Professor—Bible, Greek, Practical Training
M.A., Pensacola Christian College
M.Div., Pensacola Theological Seminary
D.Min., Baptist Bible Seminary

Jeffrey Slutz, CMA, CFM
Instructor—Finance
M.B.A., University of Pittsburgh

Danny Small
Instructor—Computing
M.S., Capitol Technology University

Rob Small
Teaching Professor—Bible
M.A., M.Div., D.Min., Pensacola Theological Seminary

Donna Smith
Teaching Professor—Medical Office, Office
M.S., Pensacola Christian College
Ed.D., Nova Southeastern University

Lonnie Smith
Associate Teaching Professor—Business Administration
M.B.A., Liberty University
Ph.D., University of South Alabama

Shane Smith
Teaching Professor—Science/General, Science/Physics
M.Ed., Univ. of North Carolina at Greensboro
Ph.D., University of Southern Mississippi

Laura Snider
Assistant Teaching Professor—Elementary Education
M.S., Ed.D., Pensacola Christian College

Greg Soule
Associate Teaching Professor—Church Music, Music/General
M.M., University of Southern Mississippi
D.M.A., New Orleans Baptist Theological Seminary

Jonathan Sparks
Teaching Professor—Computing
M.S., University of West Florida
Ph.D., Nova Southeastern University

Elijah Spencer
Associate Teaching Professor—Health Professions, Psychology, Science/Biology
M.D., Autonomous University of Guadalajara, Mexico

Sebastian Spencer
Associate Teaching Professor—Health Professions, Science/Biology
Ph.D., University of South Alabama

Holly Stark
Senior Instructor—English
M.S., Pensacola Christian College

Mickey Stemen
Instructor—Computing
M.S., University of West Florida

James Strasburg
Associate Instructor—Music/General, Music/Voice
M.A., Pensacola Christian College

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John Taylor
Associate Instructor—Bible
Th.G., Northland Bible Institute
M.A., M.Div., Pensacola Theological Seminary

Dale Thompson
Associate Instructor—Mathematics
M.S., University of South Alabama
Graduate study: University of West Florida
Doctoral study: Florida State University, University of Southern Mississippi

Josh Thompson
Associate Teaching Professor—Bible, Practical Training
Th.M., Liberty University
M.Div., D.Min., Pensacola Theological Seminary
Doctoral study: Midwestern Baptist Theological Seminary

Marie Thompson
Assistant Teaching Professor—Literature
M.A., University of West Florida
Ph.D., Indiana University of Pennsylvania

Hunter Trout
Assistant Teaching Professor—Law
M.S., Pensacola Christian College
J.D., The University of Oklahoma

Dan Troutman
Teaching Professor—Bible
M.S., Pensacola Christian College
M.Div., Pensacola Theological Seminary
Th.M., Liberty Theological Seminary
M.Min., D.Min., Baptist Bible Seminary

Linda Troutman
Senior Instructor—Computer Applications, Office
M.S., University of Southern Mississippi

Ryan Troutman
Instructor—Computer Applications, Education/General, Office
M.Ed., Liberty University
Doctoral study: Liberty University

Jared Twigg
Associate Instructor—Bible, Hebrew
M.Div., Pensacola Theological Seminary
Doctoral study: Baptist Bible Seminary, Midwestern Baptist Theological Seminary

Jessica Valentin
Associate Instructor—Graphic Design
M.A., Pensacola Christian College

Jacob Van Hall
Associate Instructor—Speech
M.S., Pensacola Christian College

Zach Vance
Associate Instructor—Speech
M.S., Pensacola Christian College

Elizabeth Vinaja
Teaching Professor—English
M.S., Ed.S., Pensacola Christian College
Ed.D., Liberty University
Graduate study: University of South Alabama, Arizona State University

Sean Vinaja
Teaching Professor—Science/Chemistry, Science/General
Ed.S., Pensacola Christian College
M.A., Pensacola Theological Seminary
Ed.D., Liberty University
Graduate study: University of Saint Joseph

Zach Wagner
Assistant Teaching Professor—Business Administration
M.R.E., Midwestern Baptist College
M.O.L., Maranatha Baptist University
D.B.A., Liberty University

Mark Wainwright
Assistant Teaching Professor—English, Professional Writing
M.A., Abilene Christian University
M.F.A., Houston Christian University

Barry Walker
Assistant Teaching Professor—Criminal Justice
M.S., Mountain State University
Ph.D., Liberty University

Mark Ward
Associate Instructor—Biblical Counseling, Practical Training
M.A., Pensacola Theological Seminary
M.A.B.C., Maranatha Baptist Seminary

Aresia Watson
Associate Teaching Professor—Science/Biology
M.S., University of West Florida
Ph.D., University of Southern Mississippi
Graduate study: Biola University, Southern Evangelical Seminary

Ashley Webb
Senior Instructor—Speech
M.S., Pensacola Christian College

Daniel Webb
Teaching Professor—Speech
M.F.A., Pensacola Christian College

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James White
Associate Teaching Professor—Marketing
M.B.A., Capella University
Ph.D., Northcentral University

Daniel Williams
Associate Instructor—Mathematics
M.S., Pensacola Christian College
Graduate study: University of West Florida
Doctoral study: Florida State University

Linda Williams
Associate Teaching Professor—Elementary Education
M.S., Pensacola Christian College
Ed.D., Liberty University

Tim Willingham
Teaching Professor—Music/Conducting, Music/General, Music/Instrumental
M.A., Ed.S., Pensacola Christian College
Ed.D., Liberty University
Graduate study: University of Chichester

Jody Wolf
Teaching Professor—Bible, Practical Training
Th.M., New Orleans Baptist Theological Seminary
M.Div., D.Min., Pensacola Theological Seminary
Doctoral study: New Orleans Baptist Theological Seminary

Winnie Worley
Associate Instructor—Art, Graphic Design
M.A., Pensacola Christian College

Doori Yoo
Associate Teaching Professor—Music/General, Music/Keyboard
M.A., Pensacola Christian College
D.M., Florida State University

Lynda Yost
Instructor—Electrical Engineering, Engineering/General
M.S.E., Oklahoma Christian University

Chee Yum
Associate Instructor—Electrical Engineering
M.S., University of New Hampshire

Faculty, Part-Time

Rob Achuff
Associate Teaching Professor—Literature
M.S., Ed.S., Pensacola Christian College
M.A., The Shakespeare Institute—University of Birmingham, UK
Ed.D., Liberty University

Lynne Akpatsu, RN
Instructor—Nursing
M.S.N., Pensacola Christian College
Doctoral study: Xavier University

Richard Anderson
Associate Teaching Professor—Practical Training
M.Div., Samford University
D.Min., Tennessee Temple University
M.M.O.A.S., Air University
M.S., National Defense University
Ph.D., University of the Cumberlands

Judy Brewster
Associate Instructor—Educational Psychology
M.S., Pensacola Christian College
M.A., Liberty University

Kimberly Bryant
Instructor—Education/General
M.S., Pensacola Christian College

Becky Bucy
Associate Instructor—Biblical Counseling
M.S., Pensacola Christian College
M.A., Northland International University

Josh Burdick
Assistant Teaching Professor—Practical Training
M.A., Luther Rice Seminary
M.A., D.Min., Pensacola Theological Seminary

Lorraine Bushey, RN
Senior Instructor—Nursing
M.S.N., University of Arizona

John Cauthen
Instructor—Computing, Cybersecurity
M.B.A., University of Tampa
Doctoral study: Capitol Technology University

Joseph Coffey
Associate Instructor—Electrical Engineering, Engineering/General
M.S.E.E., University of Minnesota
Doctoral study: University of Florida

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David Forbes
Assistant Teaching Professor—Bible, Practical Training
M.Div., Pensacola Theological Seminary
Ph.D., Liberty Theological Seminary

Mark Goetsch
Senior Instructor—Physical Education
M.S.S., U.S. Sports Academy

Sarah Goodson
Instructor—Engineering/General, Mechanical Engineering
M.S., University of Arkansas

Rafael Griffin
Assistant Teaching Professor—Music/General, Music/Keyboard
M.S., Pensacola Christian College
D.M.A., New Orleans Baptist Theological Seminary

Esther Hallman
Teaching Professor—Art
M.F.A., Pensacola Christian College

Brian Hubbart
Associate Instructor—Physical Education
M.S., Liberty University

Joel Huff
Instructor—Biblical Counseling
M.A., Pensacola Theological Seminary
M.A., Piedmont International University
M.A., Maranatha Baptist University
Doctoral study: Southeastern Baptist Theological Seminary

Kim Huff
Senior Instructor—Mathematics
M.A.T., University of West Florida

Jamieson Jekel
Teaching Professor—Art
M.F.A., Pensacola Christian College

Shannon Johnson
Senior Instructor—Science/General
M.S., Pensacola Christian College

Sarah Kaiser
Senior Instructor—Business Administration
M.B.A., Pensacola Christian College

Greg Kielmeyer
Teaching Professor—Communication
M.A., Bob Jones University
Ph.D., University of Illinois, Urbana-Champaign

Raymond Lauer
Associate Teaching Professor—Art
M.A., M.F.A., Pensacola Christian College

Robert Machado
Senior Instructor—Mathematics
M.S., Pensacola Christian College
Graduate study: University of West Florida

Alexis Malack
Instructor—History
M.S., Pensacola Christian College
M.A., Liberty University

Ashley Mayhugh
Associate Instructor—Music/Instrumental
M.S., Pensacola Christian College
Graduate study: University of South Alabama

Nino Mendez
Associate Instructor—Spanish
M.Div., Pensacola Theological Seminary
M.A., Liberty University
M.S., Nova Southeastern University

Jennifer Miller
Senior Instructor—English, Professional Writing
M.A., University of West Florida

Thomas Molina-Morillo
Instructor—Music/Instrumental
M.A., Pensacola Christian College

Greg Mutsch
Assistant Teaching Professor—Practical Training
M.Div., Central Baptist Theological Seminary
Ed.D., Bob Jones University
D.Min., Trinity Evangelical Divinity School

Stephen Northrop
Associate Teaching Professor—History
M.A., Western Michigan University
Ed.D., Pensacola Christian College

Priscila Oliveira
Teaching Professor—Music/Keyboard
M.A., State University of Campinas, Brazil
D.M.A., James Madison University

Hyun Mi Peterlevitz
Assistant Teaching Professor—Spanish
M.A., New Mexico State University
M.S., Ed.S., Ed.D., Pensacola Christian College

Debbra Pope
Associate Instructor—Music Education
M.S., Pensacola Christian College
M.A., University of South Florida

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Yvonne Porter, RN
Senior Instructor—Nursing
M.S.N., Pensacola Christian College

Shelby Poulin
Assistant Teaching Professor—English, Professional Writing
M.S., Pensacola Christian College
M.F.A., Liberty University

Morgan Principe
Associate Instructor—Graphic Design
M.A., Pensacola Christian College

Sean Quinlan
Associate Instructor—Bible
M.A., M.Div., Pensacola Theological Seminary
Graduate study: Maranatha Baptist Seminary

Beth Reese
Associate Instructor—Elementary Education
M.S., Pensacola Christian College

Andrea Reynolds
Senior Instructor—English
M.S., Pensacola Christian College

Scott Roberts
Senior Instructor—Music/Voice
M.A., Pensacola Christian College
M.A., Northern Arizona University

Naomi Sleeth
Senior Instructor—Education/General, Elementary Education
M.S., Ed.S., Pensacola Christian College

Rosemary Springs
Assistant Teaching Professor—Music/Voice
M.A., Pensacola Christian College
D.M.A., University of Mobile

Karl Stelzer
Teaching Professor—Bible
M.Div., Th.M., Grace Theological Seminary
Ph.D., Pensacola Christian College
D.Min., Liberty Theological Seminary

Molly Stephens
Assistant Teaching Professor—Music Education
M.A., Pensacola Christian College
D.M.E., Liberty University

Katrina Swafford
Associate Instructor—Science/General
M.S., Pensacola Christian College

Taisa Vance
Instructor—Speech
M.S., Pensacola Christian College

Gaylen Waters
Associate Teaching Professor—Physical Education
M.S., University of West Florida
Ed.D., Florida State University

Ronda Yoder, APRN
Associate Teaching Professor—Nursing
M.S.N., Indiana University
Ph.D., University of Alabama at Birmingham

Doug Zila
Associate Teaching Professor—History
M.S., Pensacola Christian College
M.A., University of West Florida
M.A., D.A., Harrison Middleton University

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Adjunct Faculty

Paul Bailey
Associate Teaching Professor—Law
J.D., Regent University

Ian Berry
Assistant Teaching Professor—Science/Biology
D.P.T., Southwest Baptist University

John Cirone
Teaching Professor—Marketing
M.S., Pensacola Christian College
M.B.A., University of West Florida
D.B.A., Nova Southeastern University

Andrew Craig
Assistant Teaching Professor—Law
J.D., University of Florida

Ann Gibbs
Senior Instructor—Music/Voice
M.M., The University of New Mexico

Ray Gibbs
Senior Instructor—Music/Voice
M.M., Manhattan School of Music

Carolyn Gramlich
Associate Teaching Professor—Criminal Justice
J.D., Mississippi College School of Law

Carl Haire
Associate Instructor—Criminal Justice
M.S., Walden University

Robert Howell
Assistant Teaching Professor—Computing
M.S., Michigan State University
Ph.D., Century University

Delilah Miller
Instructor—Computing
M.S., University of West Florida

Josh Mize
Associate Teaching Professor—Music/Instrumental
M.S., Pensacola Christian College
D.M.A., University of Southern Mississippi

Wesley Robbins
Associate Teaching Professor—Pharmacy
M.B.A., California Coast University
Pharm.D., Idaho State University

Krista Smith
Assistant Teaching Professor—Special Education
M.C.E., Veritas Baptist College
Ed.D., Veritas Baptist College

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