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Notes About Use of Catalogs

These catalogs are provided for guidance in course selection and program planning. While every effort is made to ensure the accuracy of the information in this catalog, in no sense is it to be considered a binding contract, and it may be changed by action of appropriate bodies within the university.

Courses listed in these catalogs are subject to change through normal academic process. New courses and changes in existing course work are initiated by the appropriate school, department, or program, and approved by the Office of Academic Affairs and the university faculty. Changes to the curriculum are published on this website and in the schedule of classes.

Undergraduate Curriculum

Degrees Offered

To complete an undergraduate academic program at George Fox University, a student must select a major to pursue one of two general degrees (the bachelor of arts or the bachelor of science) or the professional degrees (the bachelor of science in nursing, the bachelor of fine arts, or the bachelor of social work). A course of study includes three basic components: general education, the major field, and supporting

Degrees and Minors

[Declaring a Major](#)

[Majors and Minors Listing](#)

[Major and Minor Requirements](#)

Declaring a Major

Declaration of Major/Minor/Concentration

Traditional undergraduate students may enroll at George Fox University with or without a specific major in mind. However, students must formally declare their major with the registrar. A first-year traditional undergraduate student should declare his or her major

Majors and Minors Listing

Academic Programs

Program Name	Degrees Offered	Academic Department
Art	Minor	Art and Design
Art History	Minor	Art and Design
Biochemistry	Bachelor of Science	Chemistry
Biology (BS)	Bachelor of Science, Minor	Biology
Biology (BA)	Bachelor of Arts	Biology
Business Administration	Bachelor of	Business
Concentrations in:	Arts, Minor, Certificate in Business Analytics	
Economics		
Finance		
Management		
Marketing		
Chemistry	Minor	Chemistry
Christian Ministries	Minor	Christian Studies
Cinematic Arts	Bachelor of Arts, Minor	Communication
Concentrations in:		
Animation		
Audio Production		
Film and Video Production		
Communication	Bachelor of Arts, Minor	Communication
Concentrations in:		
Human Communication		
Organizational Communication		
Public Relations		
Computer Science	Bachelor of Science, Minor	Computer Science
Optional concentration in:		
Cyber Security		
Criminal Justice	Minor	Social Work, Sociology
Elementary Education	Bachelor of Science	Education
Engineering	Bachelor of Science	Engineering
Concentrations in:		
Biomedical Engineering		

Program Name	Degrees Offered	Academic Department
Civil Engineering		
Computer		
Engineering		
Electrical Engineering		
Mechanical		
Engineering		
English		
Concentrations in:		
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Program Name	Degrees Offered	Academic Department
Politics	Minor	History
Psychological Science	Bachelor of Science	Psychology
Psychology	Bachelor of Arts, Minor	Psychology
Social Welfare	Minor	Social Work
Social Work	Bachelor of Social Work (BSW)	Social Work
Sociology	Minor	Social Work
Spanish	Minor	World Languages and Applied Linguistics
Studio Arts and Arts Administration	Bachelor of Arts	Art and Design
Teaching English to Speakers of Other Languages (TESOL)	Certificate	World Languages and Applied Linguistics
Theatre	Minor	Performing Arts
Theology		
Concentrations in:		
Biblical Studies		

Major and Minor Requirements

Preprofessional Programs

Premedicine/Predental/Preveterinary Program

George Fox University is pleased with the excellent success students have had in gaining admission to medical, dental, and veterinary schools. Students who wish to pursue a career in medicine, dentistry or veterinary medicine usually select a major in biology or chemistry. They may, however, choose any academic major the university offers as long as they take certain specific courses required by the professional schools. George Fox University offers all of the science and mathematics courses required by the profo

Majors

Bachelors (BS) in Biochemistry

Overview

The biochemistry major offers a 63-64-semester-hour course of study. The major is designed for students who plan to enter a variety of careers, including teaching, chemical and biochemical research, environmental chemistry, forensic science,

Choose one of the following:

After the beginning of the spring semester o

BIOL 322 Comparative Vertebrate Anatomy 4 hours

BIOL 335 Neuroscience 4 hours

BIOL 370 Microbiology 4 hours

BIOL 410 Molecular Biology 4 hours

BIOL 420 Cell Biology 4 hours

Quantitative Skills

Complete the following:

MATH 240 Statistical Procedures 3 hours

Choose one of the following:

CSIS 201 Introduction to Computer Science I 3 hours

MATH 201 Calculus I 4 hours

Optional Thesis

Thesis Option

Students can petition the department thesis committee by the end of the fall semester of their junior year for permission to do original research as part of their degree requirement. Students allowed to pursue the thesis option must:

1. Complete an acceptable research proposal and the Research Methods course (BIOL 3Ca 24 3 (p)-Mn1 fall semeste junior .ods

Bachelors (BA) in Biology

Overview

This major offers a 55- to 61-semester-hour course of study, enabling students to pursue a variety of careers that include research, the health professions, teaching and non-science fields that require critical-thinking skills. Students are required to obtain a minimum grade of C- in all courses taken for the major.

Requirements for the BA in biology consist of 10-14 semester hours in core biology courses, 8 hours in chemistry, 3 hours in mathematics, 20 hours of biology electives, and 14 to 16 hours of courses based on a selected liberal arts emphasis.

Degree Outcomes

Graduates with a BA in biology will:

- Understand, interpret and communicate scientific information
- Demonstrate knowledge and competency of field biology, biodiversity, systems-level biology and cell/molecular biology
- Understand the basic forms of scientific inquiry
- Evaluate the compatibility of science and faith in their worldview

Major Requirements

Core Requirements (41-45 hours)

Biology (10-14 hours)

Complete the following:

BIOL 490 Biological Exploration 2 hours

Choose one of the following sequences:

Sequence 1

Chemistry (8 hours)

Complete the following:

CHEM 211 General Chemistry I 4 hours
CHEM 212 General Chemistry II 4 hours

Mathematics (3 hours)

Complete the following:

MATH 180 College Algebra or above 3 hours

Biology Electives (20 hours)

Complete the following:

Courses listed in two areas below may meet requirements for both areas of emphasis. (For example, if BIOL 390 is taken to meet the field studies requirement then it may also fulfill the diversity emphasis as well.)

Choose one of the following field studies courses:

BIOL 300 Evolution 4 hours
BIOL 360 Ecology 4 hours
BIOL 380 Ornithology 4 hours
BIOL 390 Plant Biology 4 hours
BIOL 460 Invertebrate Zoology 4 hours

Choose one of the following diversity courses:

BIOL 300 Evolution 4 hours
BIOL 322 Comparative Vertebrate Anatomy 4 hours
BIOL 367 Essentials of Microbiology 4 hours
BIOL 380 Ornithology 4 hours
BIOL 390 Plant Biology 4 hours
BIOL 460 Invertebrate Zoology 4 hours

Choose one of the following form/function courses:

BIOL 310 Developmental Biology 4 hours
BIOL 322 Comparative Vertebrate Anatomy 4 hours
BIOL 333 Advanced Physiology 4 hours
BIOL 335 Neuroscience 4 hours
BIOL 340 Plant Physiology 4 hours
BIOL 450 Advanced Human Anatomy 4 hours

Choose one of the following cell/molecular courses:

BIOL 335 Neuroscience 4 hours
BIOL 350 Genetics 4 hours

BIOL 367 Essentials of Microbiology 4 hours

BIOL 410 Molecular Biology 4 hours

BIOL 420 Cell Biology 4 hours

Upper-division BIOL electives

BIOL electives 300-level or above 4-12 hours

Liberal Arts Emphasis (14-16 hours) - choose one

Art (15 hours)

Complete the following:

ARTS 101 Basic Design 2-D 3 hours

Choose 12 hours of electives from the following:

ARTS 111 Drawing I 3 hours

ARTS 112 Drawing II 3 hours

ARTS 201 Beginning Painting 3 hours

ARTS 301 Intermediate Painting 3 hours

ARTS 401 Advanced Painting 3 hours

ARTS 221 Beginning Sculpture 3 hours

ARTS 321 Intermediate Sculpture 3 hours

ARTS 421 Advanced Sculpture 3 hours

ARTS 230 Beginning Photography 3 hours

ARTS 330 Intermediate Photography 3 hours

Option 2

Complete the following:

Spanish language sequence:

SPAN 201 Intermediate Spanish I 4 hours

SPAN 202 Intermediate Spanish II 4 hours

Choose 6-8 hours of Global/Cultural Understanding electives from the following:

COMM 410 Gender Comm Across Cultures 3 hours

ECON 370 International Economic Development 3 hours

GEED 355 Cross-Cultural Experience - Domestic 2 hours

GEED 365 Cross-Cultural Experience - International 2 hours

GEED 465 Cross-Cultural Experience - International 1 hour

HIST 250 Colonial Vestiges & Liberal Hopes: Latin America 3 hours

HIST 340 History of the Middle East 3 hours

HIST 343 History of Southern Africa 3 hours

HIST 360 Modern Russia 3 hours

HIST 380 Race and Slavery in America 3 hours

LITR 241 World Literature I 3 hours

LITR 242 World Literature II 3 hours

LITR 250 International Women's Voices 3 hours

PSCI 230 Introduction to International Affairs 3 hours

PSCI 303 International Conflict and Peace 3 hours

PSYC 353 Culture and Psychology 3 hours

SOCI 310 Cultural Anthropology 3 hours

SOCI 380 Race and Ethnicity 3 hours

SPAN 301 Inte

Psychology (15-16 hours)

Complete the following:

PSYC 150 General Psychology 3 hours
PSYC 310 Lifespan Development 3 hours
PSYC elective courses 9-10 hours

Sociology (15 hours)

Complete the following:

SOCI 150 Principles of Sociology 3 hours
SOCI elective courses 12 hours
Other Academic Disciplines (15 hours)

Bachelors (BA) in Business Administration

Overview

The Business Administration major offers a 57-semester-hour course of study, which includes a host of foundational business courses that will teach you the mechanics of business. Our Business Administration degree is available with four concentrations: Management, Marketing, Finance, or Economics. The degree will prepare you to work in business and the concentrations will give you the opportunity to delve deeper into one or more areas of business and help you gain more specialized expertise. With a Business Administration degree, you will qualify for a variety of business roles right out of college. Students are required to obtain a minimum grade of C- in all major courses.

Degree Outcomes

Graduates with a BA in business administration will:

- Develop an understanding of the role of each of the primary business disciplines in today's organizations
- Communicate orally and in writing with effectiveness
- Understand the principles of effective leadership
- Demonstrate effective skill as a team member who serves both locally and globally
- Demonstrate the ability to identify ethical dilemmas and responsible courses of action

Major Requirements

Business Administration Core (42 hours)

Complete the following:

- ACCT 271 Principles of Financial Accounting 3 hours
- ACCT 272 Principles of Managerial Accounting 3 hours
- BUSN 110 Introduction to Business 3 hours
- BUSN 120 Personal Finance 3 hours
- BUSN 240 Business Statistics 3 hours
- BUSN 250 Business Communication 3 hours
- BUSN 300 Global Business 3 hours
- BUSN 360 Business Law 3 hours
- BUSN 486 Strategic Management 3 hours
- ECON 200 Principles of Economics 3 hours
- FINC 260 Business Finance 3 hours
- MGMT 260 Principles of Management 3 hours
- MKTG 260 Principles of Marketing 3 hours

Choose one of the following:

ECON 150 Radical Economics: From Sabbath to Socialism 3 hours

MGMT 200 Leadership and Character 3 hours

Concentrations (15 hours) - choose one

Economics (15 hours)

Complete the following:

BUSN 301 Business Analytics: Introduction to Business Intelligence 3 hours

ECON 311 Intermediate Macroeconomics 3 hours

ECON 370 International Economic Development 3 hours

ECON 410 Econometrics 3 hours

ECON 440 Urban and Regional Economics 3 hours

Finance (15 hours)

Complete the following:

ACCT 450 Advanced Analytics in Financial Services 3 hours

ECON 410 Econometrics 3 hours

FINC 300 Intermediate Financial Management 3 hours

FINC 460 Financial Analysis and Modeling 3 hours

FINP 450 Investment Planning 3 hours

Management (15 hours)

Complete the following:

MGMT 300 Leading and Managing People 3 hours

MGMT 310 Project Management 3 hours

MGMT 350 Human Resource Management 3 hours

MGMT 400 Business Development and Sales 3 hours

MGMT 480 Organizational Behavior 3 hours

Marketing (15 hours)

Complete the following:

MKTG 300 Consumer Behavior: Know Your Customer 3 hours

MKTG 350 Marketing Research 3 hours

MKTG 420 Marketing Communications: The Role of Integrated Marketing in a Digital World 3 hours

MKTG 430 Digital & Interactive Marketing 3 hours

MKTG 490 Strategic Marketing: Formulating Concrete Results 3 hours

Bachelors (BA) in Cinematic Arts

Overview

Concentrations (24-27 hours) - choose one

Animation (27 hours)

Students in the animation concentration study techniques for producing 2D, 3D and stop motion animation and visual effects using a combination of creativity, aesthetics, and computer software.

Complete the following:

ARTD 110 Creative Suite 3 hours

ARTS 111 Drawing I 3 hours

CINE 210 Storyboarding and Concept Design 3 hours

CINE 212 Introduction to Animation 3 hours

CINE 214 2D Computer Animation 3 hours

CINE 312 3D Computer Animation I 3 hours

CINE 363 Motion Graphics and Visual Effects 3 hours

CINE 410 3D Computer Animation II 3 hours

CINE 481 Advanced Production Workshop I 3 hours

Suggested Electives (not required)

ARTS 230 Beginning Photography 3 hours

ARTS 311 Figure Drawing I 3 hours

ARTS 411 Figure Drawing II 3 hours

CINE 333 Camera and Lighting 3 hours

CINE 475 Field Experience 1-10 hours

CINE 482 Advanced Production Workshop II 3 hours

Audio Production (24 hours)

OR

Up to 15 semester hours of coursework at the Contemporary Music Center Program in Nashville.

Film and Video Production (24 hours)

Bachelors (BA) in Communication

Overview

Complete the following:

6-hours of upper-division COMM coursework required. Courses in other disciplines must be approved by faculty advisor.

COMM elective Upper-Division Elective Coursework 6

Organizational Communication (21 hours)

Complete the following:

BUSN 110 Introduction to Business 3 hours

COMM 270 Introduction to Organizational Communication 3 hours

COMM 290 Small Group Communication 3 hours

COMM 380 Advanced Organizational Communication 3 hours

Complete one of the following 9-hour sequences:

MKTG 260 Principles of Marketing 3 hours

MKTG 300 Consumer Behavior: Know Your Customer 3 hours

MKTG 420 Marketing Communications: The Role of Integrated Marketing in a Digital World 3 hours

OR

MGMT 260 Principles of Management 3 hours

MGMT 300 Leading and Managing People 3 hours

~~MGMT 480 Organizational Behavior 3 hours~~

Public Relations (21 hours)

Choose one of the following:

ARTD 110 Creative Suite 3 hours

CINE 230 Storytelling, Moving Images & Sound 3 hours

Complete the following:

COMM 240 Introduction to Public Relations 3 hours

Bachelors (BS) in Computer Science

Overview

The computer science major offers a 54-semester-hour core course of study with an optional 29-semester-hour cyber security concentration. Students are required to obtain a minimum grade of C- in all courses taken for the major.

Degree Outcomes

Graduates with a BS in computer science will:

- Demonstrate problem-solving competency through programming and software development
- Understand applications of discrete structures and algorithms
- Apply theoretical and practical system implementations (architecture, operating systems, networking, database)
- Apply professional/ethical responsibility to their work
- Understand cultural influences within the technical industry

Major Requirements

Core requirements (45 hours)

Complete the following:

- CSIS 201 Introduction to Computer Science I 3 hours
- CSIS 202 Introduction to Computer Science II 3 hours
- CSIS 310 Data Structures 3 hours
- CSIS 321 Software Engineering 3 hours
- CSIS 340 Database Systems 3 hours
- CSIS 360 Computer Architecture and Assembly Language 3 hours
- CSIS 370 Object-Oriented Analysis and Design 3 hours
- CSIS 420 Structures of Programming Languages 3 hours
- CSIS 430 Analysis of Algorithms 3 hours
- CSIS 460 Operating Systems 3 hours
- ENGR 381 Servant Engineering I 2 hours
- ENGR 382 Servant Engineering II 2 hours
- ENGR 481 Senior Design I 1 hour
- ENGR 482 Senior Design II 3 hours
- MATH 201 Calculus I 4 hours
- MATH 260 Discrete Mathematics 3 hours

Electives (9 hours)

Students must complete an additional 9-semester-hours from the following options:

- CSIS electives coursework 5-9 hours
- ENGE 220 Digital Logic Design 4 hours

Optional Concentration

In addition to the Computer Science Core course requirements students can elect to add a Cyber Security Concentration and complete an additional 29-hours of course work. The 9-hour elective requirement required in the Computer Science Core can be met by the courses required to complete the Cyber Security Concentration.

Bachelors (BS) in Elementary Education

Overview

The elementary education major offers a 80-semester-hour course of study that is designed for the preparation of elementary school teachers with authorizations at the early childhood (age 3 years to grade 4) and elementary (grades 3-8) levels. This degree includes an endorsement in ESOL and requires an iPad to enter the program. Upon entering, students interested in majoring in elementary education should contact an elementary education advisor. There is a recommended sequence for courses in the major. Students are required to obtain a minimum grade of C- in all courses taken for the major.

Degree Outcomes

Graduates with a BS in elementary education will:

Understand how learners grow and develop within and across the cognitive, linguistic, social, emotional and physical areas and design appropriate and challenging learning experiences for all learners

PSYC 100 Personhood 3 hours

Education Core (60 hours)

Complete the following:

Elementary education admissions requirements, policies and procedures are listed in the Teacher Education Majors and Minors section.

EDUC 324 Trends and Methods of Early Childhood Education 4 hours

EDUC 343 Adventures in Math and Science I 4 hours

EDUC 344 Adventures in Math and Science II 4 hours

EDUC 346 The Inclusive Classroom in a Diverse Society 4 hours

EDUC 354 Pedagogy of Health, Human Performance and the Arts 2 hours

EDUC 371 Curriculum Design with ESOL 4 hours

EDUC 375 Practicum I 4 hours

EDUC 381 Classroom Management 2 hours

EDUC 412 Literacy for Children and Adolescents 2 hours

EDUC 413 Reading and Writing Methods I 4 hours

EDUC 414 Reading and Writing Methods with the Common Core Subjects 4 hours

EDUC 461 Applied English Linguistics 4 hours

EDUC 462 How Languages are Learned 2 hours

EDUC 475 Practicum II 10 hours

EDUC 480 Classroom Assessment: Assessing and Planning for All Learners 4 hours

EDUC 490 Senior Seminar 2 hours

Optional

Middle-Level Authorization (5 hours)

Students may add the middle-level authorization (grades 5-10) to the elementary/early childhood authorization if they meet the testing/course work requirements in a content area, take the required courses, and complete an additional student teaching at the middle level.

EDUC 353 Trends and Issues in Middle-Level Education 4 hours

EDUC 376 Student Teaching I for Middle-Level Authorization 1 hour

Additional authorizations are available through the graduate department of Educational Foundations and Leadership.

Admission to Student Teaching

Acceptance into the teacher education program does not guarantee assignment for student teaching.

Admission to student teaching is based upon continued good standing; favorable

teaching interview; and a minimum of 16 semester hours completed in residence prior to student teaching.

Bachelors (BA) in English

Overview

The English major offers a 43-44-semester-hour course of study that teaches students to read and write with attention to truthfulness, logic, rhetoric and aesthetics. Graduates pursue careers in teaching, writing, publishing and other fields that demand perceptive attention to textual detail and the ability to communicate with clarity and grace. Students are required to obtain a minimum grade of C- in all courses taken for the major.

Degree Outcomes

Graduates with a BA in English will:

Demonstrate the ability to write clearly and effectively in a variety of rhetorical situations.

Demonstrate the ability to interpret literature with an attention to a text's historical, aesthetic, cultural, and global dimensions.

Formulate how their spiritual development interacts with and informs their reading, writing, and thinking.

Major Requirements

English Core (13 hours)

Complete the following:

LITR 200 Studies in Literature 3 hours

WRIT 200 Studies in Writing 3 hours

LITR 241 World Literature I 3 hours

WRIT 290 Pre I iW*nBTarHeit (16 h) 4nn9gcdkr 13TQ (o)6h (lit)W*nBT/1 12 Tf205.49 464.83 Td()TjET

World Language Requirement 200-level or higher 4 hours

Writing Requirement (3 hours)

Complete the following:

WRIT elective 200-level or above 3 hours

Choose one of the following:

LITR 356 American Literature I 3 hours

LITR 357 American Literature II 3 hours

Bachelors (BS) in Engineering

Overview

Engineering is the application of mathematical and scientific knowledge to provide for the technological needs of society. This major offers a 97-99-semester-hour course of study with a concentration in biomedical, civil, computer, electrical or mechanical engineering. Design work is integrated throughout the curriculum, utilizing current methodologies and computer tools. The engineering major will prepare students for the engineering profession, graduate programs and professional licensure. The George Fox Engineering Program is accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org>.

Upon entering, students interested in majoring in engineering should contact an engineering advisor. There are specific general education requirements for engineering majors. There is also a sequence for courses in the major.

Program Outcomes

George Fox engineering graduates will have:

An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

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, [(t)-3 (sp)-3 (e)o3 Td[,D-3 TJETQr ct MC Q)-3(as

MATH 202 Calculus II 4 hours
MATH 301 Calculus III 3 hours
MATH 311 Differential Equations with Linear Algebra 4 hours
PHYS 211 General Physics with Calculus 4 hours
PHYS 212 General Physics with Calculus 4 hours

Engineering Core (17 hours)

Complete the following.

ENGR 151 Engineering Principles I 3 hours
ENGR 152 Engineering Principles II 3 hours
ENGR 360 Engineering Economics 2 hours
ENGR 381 Servant Engineering I 2 hours
ENGR 382 Servant Engineering II 2 hours
ENGR 481 Senior Design I 1 hour
ENGR 482 Senior Design II 3 hours
ENGR 490 Senior Seminar 1 hour

Concentrations (53-55) - choose one

Biomedical Engineering (53-54 hours)

Complete the following courses

BIOL 221 Human Anatomy and Physiology I 4 hours
BIOL 222 Human Anatomy and Physiology II 4 hours
ENGB 250 Biomaterials 3 hours
ENGB 321 Mechanics of Biomaterials Lab 1 hour
ENGB 330 Biotransport 3 hours
ENGB 350 Biosignal Analysis 4 hours
ENGB 410 Development of Medical Devices 3 hours
ENGB 420 Biomechanics 3 hours
ENGB 470 BioMEMS & T50.0. Q/05ETQq0 0 612 792 reW*nBT/TT0 12 Tf250.85 Td8965 Td[(E)-2 (p)

Pre-PT Sequence

BIOL 211 Cellular Biology & Genetics 4 hours

CHEM 212 General Chemistry II 4 hours

ENGB 390 Research Experience 1 hour

Civil Engineering (54 hours)

Complete the following

ENGC 210 Site Development w/ AutoCAD and Civil 3D 2 hours

ENGC 220 Engineering Surveying 2 hours

ENGC 310 Environmental Engineering 3 hours

ENGC 330 Structural Analysis and Design 3 hours

ENGC 340 Geotechnical Engineering 4 hours

ENGC 350 Hydraulic Engineering 4 hours

ENGC 370 Transportation Engineering 3 hours

ENGC 380 Engineering Hydrology 3 hours

ENGC 450 Construction Management and Professional Practice 2 hours

ENGM 211 Statics 3 hours

ENGM 212 Dynamics 3 hours

ENGM 250 Principles of Materials Science 3 hours

ENGM 311 Engineering Thermodynamics 3 hours

ENGM 320 Mechanics of Materials 3 hours

ENGM 321 Mechanics of Materials Lab 1 hour

ENGM 330 Fluid Mechanics 3 hours

MATH 330 Applied Statistics 3 hours

Complete the following:

ENGC 430 Reinforced Concrete Design 3 hours

ENGC 460 Design of Steel Structures 3 hours

Computer Engineering (54-55 hours)

Complete the following

ENGE 220 Digital Logic Design 4 hours

ENGE 250 Electrical Circuit Analysis 4 hours

ENGE 270 Electric Power Systems 3 hours

ENGE 311 Electronic Devices and Circuits 4 hours

ENGE 312 Applications of Electronic Devices 4 hours

ENGE 320 Microprocessor Architecture 4 hours

ENGE 330 Electrical Signals and Networks 4 hours

ENGE 420 Embedded System Design 3 hours

ENGE 480 Digital Signal Processing 3 hours

CSIS 202 Introduction to Computer Science II 3 hours

CSIS 310 Data Structures 3 hours

CSIS 350 Data Communications and Networks 3 hours

CSIS 430 Analysis of Algorithms 3 hours

CSIS 460 Operating Systems 3 hours
MATH 260 Discrete Mathematics 3 hours

MATH 331 Mathematical Probability and Statistics 3 hours

Mechanical Engineering (54 hours)

Complete the following:

ENGE 260 Circuits and Instrumentation 4 hours

ENGM 211 Statics 3 hours

ENGM 212 Dynamics 3 hours

ENGM 220 Materials and Processes in Manufacturing 3 hours

ENGM 250 Principles of Materials Science 3 hours

ENGM 311 Engineering Thermodynamics 3 hours

ENGM 312 Applications of Engineering Thermodynamics 2 hours

ENGM 320 Mechanics of Materials 3 hours

ENGM 321 Mechanics of Materials Lab 1 hour

ENGM 330 Fluid Mechanics 3 hours

ENGM 350 Machine Dynamics and Vibrations 3 hours

ENGM 360 Computer-Aided Engineering 4 hours

ENGM 380 Heat Transfer 3 hours

ENGM 381 Energy Lab 1 hour

ENGM 400 Design of Machine Elements 3 hours

ENGM 480 Control Systems Engineering 3 hours

Choose two **osey998 (w)-16.i10 Choors**

Bachelors (BS) in Financial Services

Overview

The Financial Services major offers a 63-72-semester-hour course of study that

Major Requirements

Business Administration Core (42 hours)

Complete the following:

ACCT 271 Principles of Financial Accounting 3 hours

ACCT 272 Principles of Managerial Accounting 3 hours

BUSN 110 Introduction to Business 3 hours

BUSN 120 Personal Finance 3 hours

BUSN 240 Business Statistics 3 hours

BUSN 250 Business Communication 3 hours

BUSN 300 Global B Globars

Financial Planning (21 hours)

Complete the following:

FINP 250 Personal Financial Planning for Professionals 3 hours

FINP 310 Insurance Planning and Risk Management 3 hours

FINP 320 Income Tax Planning 3 hours

FINP 330 Estate Planning 3 hours

FINP 450 Investment Planning 3 hours

FINP 470 Retirement Planning 3 hours

FINP 491 Personal Financial Planning Capstone 3 hours

Bachelors (BA) in Graphic Design

Overview

The graphic design major provides students the opportunity to develop an informed design practice built on a rich understanding of the principles of design, the impact of visual communication, and a variety of strategies for creative problem solving.

Encompassing a broad range of media, the curriculum focuses on powerful visual communication and research-based design solutions. Starting with coursework that establishes a strong understanding of foundational formal principles, typographic sensitivity, compositional strategy, and ensures knowledge of current industry-standard software the major then opens up to offer students the opportunity to study the most prevalent uses of design including print, packaging, branding and identity systems, campaigns, web design, and systematic design projects.

Through the curriculum, students are introduced to rich design processes that include idea generation, creative research, problem definition, concept development, sketching, prototyping, image making, typography, print production, and the production of interactive media. All design students take part in an internship and work directly

Demonstrate expanding knowledge of historical achievements and contemporary thinking, trends, processes, and issues in art and design, and apply that knowledge to their personal work

Demonstrate broader and deeper understanding of contemporary arts practice, grasp of how to develop and maintain studio or design practice, and ideas communicating successful cultivation of both audience, concept and goals in visual art and design

Major Requirements

Art Core (18 hours)

Complete the following:

ARTS 101 Basic Design 2-D 3 hours

ARTS 111 Drawing I 3 hours

ARTS 217 Art History Survey from 1450 3 hours

ARTS 365 Selected Topics in Non-Western Art 3 hours

ARTS 382 Twentieth-Century Art and Design 3 hours

ARTS 460 Art And Christ 3 hours

Professional Networking Requirement (5 hours)

Complete the following:

ARTS 105 Art & Design Professional Networking Seminar 1 hour

ARTS 105 Art & Design Professional Networking Seminar 1 hour

ARTS 105 Art & Design Professional Networking Seminar 1 hour

ARTS 305 Art & Design Professional Networking Seminar 1 hour

ARTS 305 Art & Design Professional Networking Seminar 1 hour

Technical Coursework (6 hours)

The technical coursework establishes foundational software knowledge in industry-standard programs, equipping students to create work for a wide-range of media.

Complete the following:

ARTD 110 Creative Suite 3 hours

ARTD 260 Graphic Design I 3 hours

Contextual Coursework (7-8 hours)

The contextual coursework immerses students in historic, social, and contemporary practices related to the field of design.

Complete the following:

ARTD 380 Experience Design 3 hours

ARTD 393 Design in

ARTD 492 Portfolio Development 2 hours

Graphic Design Core (18 hours)

The graphic design core is a series of project-driven coursework that covers the most frequent applications and outcomes developed by graphic designers.

Complete the following:

ARTD 220 Typography 3 hours

ARTD 250 Print and Packaging 3 hours

ARTD 270 Web Design I 3 hours

ARTD 383 UI/UX Design 3 hours

ARTD 453 Systems, Identity, and Branding 3 hours

ARTD 481 Collaborative Design I 3 hours

Dynamic Requirements for Graduation

Complete the following:

Sophomore Review

Junior Portfolio Review

Senior Capstone Research Defense

Bachelors (BA) in Illustration

Demonstrate expanding knowledge of historical achievements and contemporary thinking, trends, processes, and issues in art and design, and apply that knowledge to their personal work

Bachelors of Fine Arts (BFA) in Interior Design

Overview

The Interior Design major educates students to become creative and responsible designers of residential and commercial spaces. Program components emphasize problem solving in applied design studios. With a focus on spatial design and space planning complimented by surface decoration, students learn to design environments for living, working, business, health, hospitality, retail and recreation. As courses progress, students are challenged by design problems that increase in size and complexity, and develop an understanding of sustainable building and reuse on human health, well-being and performance. Program curriculum and outcomes are all directly tied to NCIDQ Certification competencies, preparing students for future field certification.

Faculty

The versatile faculty is made up of artists and designers who actively produce and exhibit their creative work - artists who are leaders in their various fields of discipline. They love to teach because they love what they teach. Our faculty is equipped to motivate, inspire and nurture; they become true mentors to their students. The faculty of the Department of Art and Design believe it is necessary for students to become leaders rather than followers, to become the next generation of gifted creative artists and designers and to become art professionals in the ever-growing number of contemporary art and art-related careers.

More information about the interior design major can be found on the art major admissions page.

Degree Outcomes

Graduates with a BFA in interior design will:

- Demonstrate the ability to write and speak about art, design, and art history with clarity and logic, and be able to form and support critical judgements about art, design and art history

- Demonstrate the technical mastery of the relevant materials and tools, and the terminology, theories, and practices relevant to the student's field of study

- Demonstrate the ability generate, support, and utilize individual thoughts and ideas

- Demonstrate the ability to do research in art, design, and art history, and the competence and knowledge to analyze and think critically

- Demonstrate expanding knowledge of historical achievements and contemporary thinking, trends, processes, and issues in art and design, and apply that knowledge to their personal work

- Demonstrate broader and deeper understanding of contemporary arts practice, grasp of how to develop and maintain studio or design practice, and ideas

communicating successful cultivation of both audience, concept and goals in visual art and design

Major Requirements

Art Core (21 hours)

Complete the following:

ARTS 101 Basic Design 2-D 3 hours

ARTS 102 Basic Design 3-D 3 hours

ARTS 111 Drawing I 3 hours

ARTS 217 Art History Survey from 1450 3 hours

ARTS 365 Selected Topics in Non-Western Art 3 hours

ARTS 382 Twentieth-Century Art and Design 3 hours

ARTS 460 Art And Christ 3 hours

Professional Networking Requirement (5 hours)

Complete the following:

ARTS 105 Art & Design Professional Networking Seminar 1 hour

ARTS 105 Art & Design Professional Networking Seminar 1 hour

ARTS 105 Art & Design Professional Networking Seminar 1 hour

ARTS 305 Art & Design Professional Networking Seminar 1 hour

ARTS 305 Art & Design Professional Networking Seminar 1 hour

Interior Design Requirements (38.5-39.5 hours)

Complete the following:

ARTD 110 Creative Suite 3 hours

ARTD 393 Design in Practice 2-3 hours

ARTD 492 Portfolio Development 2 hours

Bachelors (BA) or (BS) in Interdisciplinary Studies

Major Requirements

The interdisciplinary studies major consists of a minimum of 48 semester hours with either a 24/12/12-hour option from three fields or a 24/24-hour option from two fields. A field must consist of approved courses from any traditional undergraduate major, minor, or concentration currently offered according to the undergraduate catalog. Of these hours, 30 must be upper division. The 24/12/12 and the 24/24 options are permitted at the discretion of each department. The designation of the degree (BA or BS) for the 24/12/12 option is determined by the subject of the 24-credit concentration. The designation of the degree (BA or BS) for the 24/24 option is determined by the subject of both 24-hour concentrations. If the degrees for the two subjects differ, the student may elect BA or BS. The student must complete a contract form prepared in consultation with his or her advisor, the registrar, and the department chairperson of each concentration.

A student pursuing an interdisciplinary studies major as a second degree or second major may not choose as a subject area a discipline that is the student's first major or minor.

Bachelors (BS) in Kinesiology

Overview

Major Requirements

Core Requirements (41 hours)

Complete the following:

BIOL 221 Human Anatomy and Physiology I 4 hours
BIOL 222 Human Anatomy and Physiology II 4 hours
HHPE 210 Introduction to Exercise Science 2 hours
HHPE 228 Principles of Conditioning 2 hours
HHPE 390 Care and Prevention of Athletic Injuries 3 hours
HHPE 394 Biomechanics 3 hours
HHPE 420 Exercise Prescription 3 hours
HHPE 430 Exercise Physiology 3 hours
HHPE 470 Motor Development and Motor-Skill Learning 3 hours
HHPE 475 Field Experience 3 hours
HHPE 480 Fundamentals of Exercise and Fitness Testing 2 hours
HHPE 490 Senior Research Project 3 hours
PSYC 150 General Psychology 3 hours
PSYC 240 Statistical Procedures 3 hours

Concentrations (18-20 hours) - choose one

Exercise Science (18-20 hours)

Complete the following:

BIOL 211 Cellular Biology & Genetics 4 hours
CHEM 211 General Chemistry I 4 hours
PHYS 201 General Physics 4 hours

Choose two of the following:

BIOL 333 Advanced Physiology 4 hours
BIOL 335 Neuroscience 4 hours
CHEM 212 General Chemistry II 4 hours
HHPE 400 Health Promotion and Management 3 hours
HHPE 401 Physical Examination of the Lower Extremities 4 hours
HHPE 402 Physical Exam of the Spine and Upper Extremities 4 hours
HHPE 404 Medical Terminology 3 hours
HHPE 411 Physiology of Aging 3 hours
HHPE 413 Therapeutic Exercise 3 hours
HLTH 300 Nutrition 3 hours
PHYS 202 General Physics 4 hours
PSYC 310 Lifespan Development 3 hours
PSYC 312 Adult Development 3 hours
PSYC 314 Adolescent Development 3 hours
PSYC 320 Neuroscience 3 hours
PSYC 420 Abnormal Psychology 3 hours

Physical Activity and Health Promotion (18 hours)

Complete the following:

HHPE 301 Sports Psychology 2 hours
HHPE 400 Health Promotion and Management 3 hours
HHPE 460 Adapted Physical Education 3 hours
HLTH 300 Nutrition 3 hours

Physical Activity and Health Promotion Elective (7 hours)

EDUC 250 Teaching as a Profession 2 hours
EDUC 270 Intercultural Communication in the ESOL/Bilingual Context 2 hours
HHPE 201 Fall Sports in Physical Education 2 hours
HHPE 202 Spring Sports in Physical Education 2 hours
HHPE 401 Physical Examination of the Lower Extremities 4 hours
HHPE 402 Physical Exam of the Spine and Upper Extremities 4 hours
HHPE 404 Medical Terminology 3 hours
HHPE 410 Teaching Physical Education and Health 2 hours
HHPE 411 Physiology of Aging 3 hours
HHPE 413 Therapeutic Exercise 3 hours
HLTH 240 Stress Management 3 hours
PSYC 310 Lifespan Development 3 hours
PSYC 314 e12 Tf2941 (o)6 (u)-3.024 452.35 Td[(HLT)-10 (LT)-10smeent(oevLT)-10sm3 hours

Bachelors (BS) in Mathematics and Data Analytics

Overview

The mathematics and data analytics major of

Electives (6 hours)

Complete one mathematics elective:

MATH electives 300-level or above 3 hours

Complete one specialization elective:

MATH CSIS electives 300-level or above 3 hours

Capstone (3 hours)

Choose one of the following:

For students who are **NOT** also majoring in Computer Science take BUSN 411. For students also majoring in Computer Science take ENGR 482.

BUSN 411 Business Analytics: Capstone 3 hours

ENGR 482 Senior Design II 3 hours

Bachelors (BA) in Music

Overview

The music major offers a 49- to 57-semester-hour course of study. The major allows students to specialize in Worship Arts, Music Industry, or a Liberal Arts concentration to maximize flexibility for careers in the Church, music business, entrepreneurial music performing, private lesson teaching, or in school teaching (when combined with an MAT through the School of Education). Students are required to obtain a minimum grade of C- in all courses taken for the major.

Degree Outcomes

Graduates with a BA in music will:

Implement skills in self-motivation that reveal an ambition to achieve new goals, tackle challenges, and follow through on tasks.

Create authentic and compelling work as performing artists in their specific disciplines.

Produce work that meets technical standards of the performing arts industry in their specific disciplines.

Analyze themselves, and the methods and products created by performing artists from various historical periods and cultural backgrounds.

Evaluate how their faith and/or values interact with and inform their work as performing artists.

Major Requirements

Music Core (41 hours)

Complete the following:

Additional Requirements

Music Major students must participate in a major ensemble, Applied lessons, and Studio Class every semester while in residence.

Upper Division jury: all students enter the applied program at the 100 level. Before being advanced to upper-division study, the student must pass an upper division jury.

Students are required to obtain a minimum grade of C- in all courses taken for the major.

Concentrations (8-16 hours) - choose one

In order to pursue exceptional life outcomes, Music majors pursue a concentration of courses connected to specific career opportunities.

Music Industry (12 hours)

Choose four of the following:

BUSN 303 Planning Your Financial Future 3 hours

MUSI 233 Songwriting and Producing 3 hours

CINE 344 Studio Sound Recording 3 hours

MUSI 440 Music Pedagogy for the Classroom and Individual Lessons 3 hours

THEA 130 Stagecraft 3 hours

THEA 325 Production Design Studio 3 hours

Or any approved elective in MUSA or CINE or BUSN.

Music: Liberal Arts (8 hours)

Complete the following:

MUSI 440 Music Pedagogy for the Classroom and Individual Lessons 3 hours

Complete 5 hours from the following:

BUSN 303 Planning Your Financial Future 3 hours

EDUC 250 Teaching as a Profession 2 hours

MUSA 105I Elective or Secondary Instrumental Lesson .5-1 hours

MUSA 305I Elective or Secondary Instrumental Lesson .5-1 hours

MUSA 305C Applied Composition Lesson .5-1 hours

MUSA 305D Applied Conducting Lesson .5-1 hours

MUSI 125 Voice Class 1 hour

MUSI 250 Class Guitar 1 hour

Or other MUSI, MUSA, BUSN, THEA courses as approved by advisor.

Worship Arts (16 hours)

Complete the following:

MUSI 340 Creating, Planning, and Leading Worship 3 hours

MUSA Applied Elective 1 hours

Choose two of the following:

MUSI 233 Songwriting and Producing 3 . 31 3 . 9h0rs

Bachelors of Science in Nursing (BSN)

Overview

The nursing major offers a 98-semester-hour course of study that is designed to prepare students to function in increasingly complicated health care environments. Students are required to obtain a minimum grade of C in all courses taken for the major.

Degree Outcomes

Graduates with a BSN will:

Integrate concepts from liberal arts and sciences in promoting health and delivering individualized care.

Utilize standards of nursing practice and current science to deliver safe, competent, patient-centered care to patients across the lifespan in a variety of settings.

Integrate evidence, clinical judgment, and patient preferences throughout the nursing process.

Apply information management and technology across the health continuum to facilitate high-quality nursing care.

Demonstrate advocacy utilizing health care policy and health systems knowledge.

Use communication, collaboration, and organizational skills to work in partnerships with clients, families, communities, and the interprofessional healthcare team to promote health.

Employ leadership principles to support quality improvement, safety, equity, and cost effective care initiatives in a variety of settings.

Demonstrate professional values that integrate lifelong learning, service, and reflective practice.

Provide evidence-based nursing care that incorporates diversity and inclusion, human dignity, and cultural humility.

Provide holistic, empathetic nursing care that reflects the character and compassion of Christ.

Major Requirements

Prerequisite Coursework for Admission (40 hours)

Complete the following:

BIOL 221 Human Anatomy and Physiology I 4 hours

BIOL 222 Human Anatomy and Physiology II 4 hours

BIOL 367 Essentials of Microbiology 4 hours

CHEM 150 Foundations of General, Organic, and Biochemistry 4 hours

COMM 111 Communication in Society 3 hours

MATH 180 College Algebra 3 hours

NURS 220 Nutrition Essentials 3 hours

PSYC 150 General Psychology 3 hours

PSYC 310 Lifespan Development 3 hours

THEO 380 Ethics 3 hours

WRIT 111 Caring for Words 3 hours

Choose one of the following:

BUSN 240 Business Statistics 3 hours

MATH 240 Statistical Procedures 3 hours

PSYC 240 Statistical Procedures 3 hours

SOCI 340 Statistical Procedures 3 hours

SWRK 340 Statistical Procedures 3 hours

Nurs

PSYC 353 Culture and Psychology 3 hours

Choose one of the following:

PSYC 311 Child Development 3 hours

PSYC 312 Adult Development 3 hours

PSYC 314 Adolescent Development 3 hours

Choose one of the following:

PSYC 381 Counseling 3 hours

PSYC 400 Psychological Testing 3 hours

PSYC 420 Abnormal Psychology 3 hours

PSYC 430 Addictions 3 hours

Choose one of the following:

PSYC 320 Neuroscience 3 hours

PSYC 360 Learning 3 hours

PSYC 410 Sensation and Perception 3 hours

Choose 3 hours of the following:

PSYC 475 Field Experience 1-10 hours

PSYC 495 Individualized Study 1-3 hours

Choose 12 hours of the following:

Upper-

Complete the following:

CHEM 211 General Chemistry I 4 hours

CHEM 212 General Chemistry II 4 hours

PSYC 320 Neuroscience 3 hours

Choose two of the following:

Some of these courses have the following prerequisites: (h)-1(1)-3 (2)-3 (G)-3 (e)6 (n)-3 (e)-3 (ral)Cggih cs

Bachelors (BA) in Studio Arts and Arts Administration

Overview

The studio arts and arts administration major fosters the development of collaborative, resourceful and creative makers who work in a research-based practice informed by contemporary and historical art and culture. Students work in a variety of two-, three-, and four-dimensional media, including, but not limited to sculpture, painting, drawing, photography and lens-based media, print media and utilitarian ceramics.

Emphasis is placed on critical thinking, problem solving, and risk-taking throughout the program, encouraging students to develop the confidence to experiment and self-reliance to become courageous life-long learners. Instruction in the technical competencies and skills of the studio practice partnered with conceptual strengthening projects and polished off with professional and business practice capstone work to send out emergent practitioners out equipped for a life of successful creating and earning. In addition, the Arts Administration coursework within the major provides students with a placed practicum experience, and the skills and exposure to arts organization professional practice.

Faculty

The versatile faculty is made up of artists and designers who actively produce and exhibit their creative work - artists who are leaders in their various fields of discipline. They love to teach because they love what they teach. Our faculty is equipped to motivate, inspire and nurture; they become true mentors to their students. The faculty of the Department of Art and Design believe it is necessary for students to become leaders rather than followers, to become the next generation of gifted creative artists and designers and to become art professionals in the ever-growing number of contemporary art and art-related careers.

More information about the studio arts major can be found on the art major admissions page.

Degree Outcomes

Graduates with a BA in studio arts and arts administration will:

- Demonstrate the ability to write and speak about art, design, and art history with clarity and logic, and be able to form and support critical judgements about art, design and art history

- Demonstrate the technical mastery of the relevant materials and tools, and the terminology, theories, and practices relevant to the student's field of study

- Demonstrate the ability generate, support, and utilize individual thoughts and ideas

- Demonstrate the ability to do research in art, design, and art history, and the competence and knowledge to analyze and think critically

- Demonstrate expanding knowledge of historical achievements and contemporary thinking, trends, processes, and issues in art and design, and apply that knowledge to their personal work

Demonstrate broader and deeper understanding of contemporary arts practice, grasp of how to develop and maintain studio or design practice, and ideas communicating successful cultivation of both audience, concept and goals in visual art and design

Major Requirements

Art Core (21 hours)

Complete the following:

Media Requirement: complete one of the following options (15 hours)

2D Option (15 hours)

Complete the following:

ARTS 201 Beginning Painting 3 hours
ARTS 230 Beginning Photography 3 hours
ARTS 231 Beginning Printmaking 3 hours

Complete one 300-level and one 400-level course below:

ARTS 301 Intermediate Painting 3 hours
ARTS 330 Intermediate Photography 3 hours
ARTS 331 Intermediate Printmaking 3 hours
ARTS 401 Advanced Painting 3 hours
ARTS 430 Advanced Photography 3 hours
ARTS 431 Advanced Printmaking 3 hours

3D Option (15 hours)

Complete the following:

ARTS 221 Beginning Sculpture 3 hours
ARTS 240 Beginning Mixed Media 3 hours
ARTS 241 Beginning Ceramics 3 hours

Complete one 300-level and one 400-level course below:

ARTS 321 Intermediate Sculpture 3 hours
ARTS 340 Intermediate Mixed Media 3 hours
ARTS 341 Intermediate Ceramics 3 hours
ARTS 421 Advanced Sculpture 3 hours
ARTS 440 Advanced Mixed Media 3 hours
ARTS 441 Advanced Ceramics 3 hours

Dynamic Requirements for Graduation

Complete the following:

Sophomore Review
Junior Portfolio Review
Senior Capstone Research Defense

Bachelors (BSW) in Social Work

Overview

The CSWE accredited bachelor of social work degree offers a 120-semester-hour course of study, 51 hours of which are prescribed social work course work that is designed to prepare students for professional social work practice with diverse populations in a variety of settings. This includes work with individuals and couples (micro level); families and small groups (mezzo level); and agencies, institutions, community and church organizations (macro level). There is an emphasis on generalist practice that values the uniqueness, dignity and needs of all people. Generalist practice is oriented toward analyzing and addressing problems with micro, mezzo and macro skills and perspectives.

The program courses are designed to include academic social work and field experience/practicum requirements within a liberal arts context. This enables the student to link social research with social work practice. The program prepares students to work in a variety of social work and social welfare settings, as well as to seek admission into graduate programs like the Master of Social Work (MSW) program at George Fox University. Students are required to obtain a minimum grade of C in all courses taken for the major.

Degree Outcomes

Graduates with a BSW in social work will:

- Acquire the social work ethics, values, skills and knowledge needed to analyze and understand the development and interrelationship of diverse world views, issues in social justice, and basic human needs

- Demonstrate knowledge, skills and values necessary to understand and affect the interrelationship between an individual and his/her environment at the macro, mezzo and micro levels

- Work effectively within diverse social contexts, structures and change processes in their practice

- Understand how their personal faith integrates with social work and apply that to their practice

- Be prepared for graduate social work education and will be committed to continual development in their professional field

Admission Requirements

Students interested in pursuing a degree in social work should consult with a social work advisor as soon as possible. All students interested in social work as a degree must make formal application to the program.

Major Requirements

Required Coursework (51 hours)

Complete the following:

PSYC 150 General Psychology 3 hours
SOCL 150 Principles of Sociology 3 hours
SWRK 180 Introduction to Social Work 3 hours
SWRK 331 Human Behavior in the Social Environment 3 hours
SWRK 333 Human Rights and Social Justice 3 hours
SWRK 340 Statistical Procedures 3 hours
SWRK 391 Social Work Practice I 3 hours
SWRK 392 Social Work Practice II 3 hours
SWRK 393 Social Work Practice III 3 hours
SWRK 420 Social Work and Diverse Populations 3 hours
SWRK 440 Social Work Research Methods 3 hours
SWRK 460 Social Policy 3 hours
SWRK 476 Field Education I 6 hours
SWRK 477 Field Education II 6 hours
SWRK 490 Senior Seminar 3 hours

Bachelors (BA) in Theology

Overview

The theology major with concentrations in biblical studies, ministry, and philosophy offers a 38–43 semester-hour course of study designed to provide students a good foundation for church ministries, work with youth and parachurch organizations, teaching in Christian school settings, law school, and further graduate work. The student who majors in Theology will acquire an in-depth working knowledge of Scripture, theological tradition, and methods of Christian interpretation, and the philosophy concentration offers features similar to other classic liberal arts majors. Students in all three concentrations develop skills in critical thinking and clear communication, preparing them for careers in business and industry. Students are required to obtain a minimum grade of C- in all courses taken for the major.

Degree Outcomes

Graduates with a BA in theology will:

- Demonstrate basic skills in the language and research method of their chosen concentration (e.g., biblical languages for Theology & Biblical Studies, basic ministry techniques and tools for Theology & Christian Ministries, and core skills in logic and introduction to philosophy for Theology & Philosophy)
- Explain the historical-social circumstances of the books within both the Hebrew Bible/Old Testament and the Christian New Testament, as well as the basic theological trajectory of Christian thought throughout the ages after the biblical period
- Create a scholarly argument that incorporates a theological, historical, philosophical, and/or spiritual perspective
- Articulate basic content knowledge of the Christian Bible and the Christian theological tradition, and explain how theological concepts, theories and skills interact with the content of disciplines outside of their area of concentration

Major Requirements

Theology Core requirements (15 hours)

Complete the following:

- THEO 201 Old Testament 3 hours
- THEO 202 Theology I 3 hours
- THEO 301 New Testament 3 hours

Minors

Art Minor
Art History Minor
Biology Minor
Business Administration Minor
Chemistry Minor
Communication Minor
Computer Science Minor
Criminal Justice Minor
Graphic Design Minor
Hispanic Cultural Studies Minor
History Minor
Information Systems Minor
Journalism Minor
Literature Minor
Mathematics Minor

Art History Minor

Art Minor

Minor Requirements

21 credit hours

Complete the following:

ARTS 101 Basic Design 2-D 3 hours

ARTS 111 Drawing I 3 hours

ARTS 216 Art History Survey to 1450 3 hours

ARTS 217 Art History Survey from 1450 3 hours

ARTS Studio Elective Coursework 9 hours

Note: Minors focusing on 3-D studio courses may petition to substitute ARTS 102 Basic Design 3-D for ARTS 101 Basic Design 2-D.

Students must also choose one of the following options:

Submit artworks for juried George Fox Art Student Exhibition

Present a portfolio for review and petition for an alternative exhibition venue

Biology Minor

Minor Requirements

20 credit hours

Choose one of the following sequences:

Sequence 1:

BIOL 211 Cellular Biology & Genetics 4 hours

BIOL 212 Organisms & Physiological Systems 4 hours

Sequence 2:

BIOL 221 Human Anatomy and Physiology I 4 hours

BIOL 222 Human Anatomy and Physiology II 4 hours

Complete the following:

BIOL electives 300-level or above 12 hours

Chemistry Minor

Minor Requirements

24 credit hours

Complete the following:

CHEM 211 General Chemistry I 4 hours
CHEM 212 General Chemistry II 4 hours
CHEM 331 Organic Chemistry I 4 hours
CHEM 332 Organic Chemistry II 4 hours

Choose two of the following:

CHEM 300 Quantitative Analysis 4 hours
CHEM 365 Advanced Topics in Biochemistry 4 hours
CHEM 341 Biochemistry I 4 hours
CHEM 342 Biochemistry II 4 hours
CHEM 400 Biochemical Thermodynamics 4 hours

Christian Ministries Minor

Minor Requirements

18-19 credit hours

Complete the following:

THEO 130 Christian Discipling and Leadership 3 hours

THEO 360 Dynamics of Christian Education 3 hours

Communication Minor

Minor Requirements

21 credit hours

Complete the following:

Computer Science Minor

Minor Requirements

18 credit hours

Complete the following:

CSIS 201 Introduction to Computer Science I 3 hours

CSIS 202 Introduction to Computer Science II 3 hours

CSIS 310 Data Structures 3 hours

CSIS Elective Coursework 9 hours

Graphic Design Minor

Minor Requirements

23 credit hours

Complete the following:

ARTS 101 Basic Design 2-D 3 hours
ARTS 105 Art & Design Professional Networking Seminar 1 hour
ARTS 105 Art & Design Professional Networking Seminar 1 hour
ARTD 110 Creative Suite 3 hours
ARTS 111 Drawing I 3 hours
ARTD 220 Typography 3 hours

Choose two of the following:

ARTD 250 Print and Packaging 3 hours
ARTD 270 Web Design I 3 hours
ARTD 380 Experience Design 3 hours
ARTD 383 UI/UX Design 3 hours
ARTD 453

History Minor

Minor Requirements

18 credit hours

Complete the following:

HIST Elective Coursework 18 hours

Information Systems Minor

Minor Requirements

Journalism Minor

The Journalism minor offers a 21-unit course of study that focuses on key journalistic skills and knowledge sets, and is designed to be combined with a complementary major. Students are required to obtain a minimum grade of C- in all courses taken for the minor.

Minor Requirements

21 credit hours

Complete the following:

CINE 230 Storytelling, Moving Images & Sound 3 hours
JOUR 230 Introduction to Journalism 3 hours
JOUR 330 Magazine and Feature Writing 3 hours
CINE 350 Editing Video 3 hours
JOUR 470 Journalism II 3 hours

Complete 6 hours from the following:

WRIT 210 Practical Grammar and Editing 3 hours
COMM 230 Mass Media and Popular Culture 3 hours
JOUR 310 Professional Writing 3 hours
CINE 371 Documentary Production I 3 hours
CINE 372 Documentary Production II 3 hours
CINE 475 Field Experience 1-10 hours

Literature Minor

Minor Requirements

18 credit hours

Complete the following:

LITR 200 Studies in Literature 3 hours

Electives

WRIT LITR Elective Coursework 6 hours

LITR Elective Coursework 9 hours

Literature minor for English majors:

An English major with a concentration in Writing may complete a Literature minor by meeting the following requirements:

1. The LITR 200 Studies in Literature requirement is replaced with a LITR elective, 20tu00 Sturatu (R)

Mathematics Minor

Minor Requirements

20 credit hours

MATH 201 Calculus I 4 hours

MATH 202 Calculus II 4 hours

MATH 290 Introduction to Proofs 3 hours

MATH electives 300-level or above 9 hours

Music Minor

Minor Requirements

22 credit hours

Complete the following:

MUSI 121 Theory I 3 hours

MUSI 131 Sight Singing and Ear Training I 1 hour

MUSI 180 Introduction to Music Technology 3 hours

MUSA 205 /405 Applied Music Lessons with Studio Class 2 hours

MUSA Ensemble Courses 4 hours

Choose one of the following:

MUSI 300 Music in Western Culture 3 hours

MUSI 310 Jazz & Popular Music 3 hours

MUSI 330 Music In World Cultures 3 hours

Complete the following:

MUSI /THEA Elective Coursework 6 hours

Photography Minor

Overview

The Photography Minor introduces students to a variety of tools and techniques relevant to establishing a successful practice in photography. Students will explore a variety of camera formats (analog and digital, 35mm and large format), lighting strategies, photographic editing methodologies and output procedures applicable to industry and museum standards.

Minor Requirements

18 credit hours

Complete the following:

Politics Minor

Minor Requirements

18 credit hours

Complete the following:

PSCI Elective Coursework 18 hours

Psychology Minor

Minor Requirements

18 credit hours

Complete the following:

PSYC 150 General Psychology 3 hours

PSYC Upper-division Psychology Coursework 15 hours

Students interested in declaring a psychology minor should meet with a psychology faculty member to discuss upper-division course options.

Social Welfare Minor

Minor Requirements

18 credit hours

Complete the following:

SWRK 180 Introduction to Social Work 3 hours
SWRK 331 Human Behavior in the Social Environment 3 hours
SWRK 333 Human Rights and Social Justice 3 hours
SWRK 420 Social Work and Diverse Populations 3 hours
SWRK 460 Social Policy 3 hours

Choose one of the following:

SWRK 321 Family Violence 3 hours
SWRK 322 Death, Loss, and Grief 3 hours
SWRK 400 Child Welfare 3 hours
SWRK 410 Helping Professions and Older Adults 3 hours
SWRK 485 Selected Topics 3 hours

Sociology Minor

Minor Requirements

21 credit hours

Spanish Minor

Prerequisite for Minor Entry

Students must demonstrate proficiency in SPAN 201 and SPAN 202 Intermediate Spanish (4 hours each) (or placement exam) prior to entry into the Spanish minor.

Minor Requirements

19-23 credit hours

Complete the following:

SPAN 200 Introduction to Latinx Studies 3 hours

Based on placement exam score, complete either:

SPAN 301 Intermediate/Advanced Spanish 4 hours

SPAN 302 Advanced Spanish 4 hours

OR

SPAN 302 Advanced Spanish 4 hours

SPAN 303 Spanish for Heritage Speakers 4 hours

Choose one of the following options:

Option 1 (8 hours)

Complete the following:

SPAN 350 Latin American Culture and Civilization 3 hours

SPAN 400 Introduction to Hispanic Literature 3 hours

SPAN 475 Field Experience 2 hours

Option 2 (12 hours)

After completing SPAN 301 & 302 or at least one upper-division SPAN class (3-4 credits) at George Fox University, students must choose 12 semester hours in an approved study abroad program in a Spanish-speaking country (credits abroad must be taught entirely in Spanish. Any course taught in Spanish at a national university applies, but classes in stand-alone study abroad programs must be at 300-level or above).

Theatre Minor

Minor Requirements

18 credit hours

Complete the following:

THEA 130 Stagecraft 3 hours

THEA 205 Acting Studio 3 hours

THEA 265 Directing/Literature Studio 3 hours

THEA 325 Production Design Studio 3 hours

Complete 6 hours of the following:

THEA 105 Mainstage Theatre Practicum 0-6 hours

THEA 165 George Fox University Players: Drama Touring Troupe 1 hour

THEA 305 Mainstage Theatre Practicum 0-6 hours

Theology Minor

Minor Requirements

18 credit hours

Complete the following:

THEO 201 Old Testament 3 hours
THEO 202 Theology I 3 hours
THEO 301 New Testament 3 hours
THEO 302 Theology II 3 hours

Complete 6-hours of the following:

THEO 315 Advanced Bible & Theology 3 hours
THEO 325 Theological Languages I 4 hours
THEO 390 Biblical Interpretation 3 hours
THEO 415 Advanced Bible and Theology 1-3 hours
THEO 425 Theological Languages II 4 hours
THEO 435 Advanced Philosophy, Theology, and Ethics 3 hours
THEO 475 Field Experience 2-4 hours
THEO 490 Theology Seminar 3 hours

Worship Arts Minor

Minor Requirements

21 credit hours

Core Requirements (12 hours)

Complete the following:

MUSI 121 Theory I 3 hours

MUSI 131 Sight Singing and Ear Training I 1 hour

MUSI 180 Introduction to Music Technology 3 hours

MUSI 340 Creating, Planning, and Leading Worship 3 hours

MUSA 165W /365W Worship Ensemble 2 hours

Applied Studies (3 hours)

Complete the following:

MUSA 105V /305V or MUSI 125 1 hours

MUSA 105I /305I or MUSI 250 1 hours

Technology Elective (3 hours)

Choose one of the following:

MUSI 233 Songwriting and Producing 3 hours

THEA 130 Stagecraft 3 hours

THEA 325 Production Design Studio 3 hours

Theology Elective (3 hours)

Choose one of the following:

THEO 130 Christian Discipling and Leadership 3 hours

THEO 201 Of72.Tt 3 hours

Youth Ministry Minor

Minor Requirements

18-19 credit hours

Complete the following:

THEO 130 Christian Discipling and Leadership 3 hours

THEO 363 Youth Ministry: Theology and Philosophy of Ministry 3 hours

THEO 364 Youth Ministry: Culture and Practice 3 hours

THEO 400 Speaking as Ministry 3 hours

THEO 455 Advanced Christian Ministries 3 hours

THEO 475 Field Experience 3-4 hours

Certificates

Certificate in Business Analytics

(Non-degree)

TESOL Certificate

The TESOL certificate is designed to provide a basic foundation for students who are interested in teaching English to speakers of other languages, including teaching English as a foreign language overseas, and tutoring or teaching English as a second language in local church or community programs.

Certificate Requirements

9 credit hours

Complete the following:

LANG 340 General and Cultural Linguistics 3 hours

LANG 350 Issues in Second Language Acquisition 3 hours

WRIT 210 Practical Grammar and Editing 3 hours

General Education

Cornerstone Core

Most undergraduates will complete the Cornerstone Core Program to satisfy their general education requirements.

Honors Program

Students in the Honors Program have an alternative general education package that they complete.

Cornerstone Core

Overview

Students complete 37 credits which make up the Cornerstone Core. Though transfer credit may apply to core requirements, at least 9 credits must be taken in residence at George Fox University.

Cornerstone Core Requirements

Love the Lord your God

With all your heart (9 credits)

Character/Virtue: Faith, Hope & Love

Complete the following:

THEO 101 The Bible 3 hours

THEO 102 Christianity 3 hours

Love your neighbor as yourself (12 credits)

Character/Virtue: Justice, Temperance, Clarity & Patience

Complete the following:

COMM 111 Communication in Society 3 hours

PSYC 100 Personhood 3 hours

SSCI 100 Justice 3 hours

WRIT 111 Caring for Words 3 hours

Honors Program

Overview

The Honors Program is a Christ-centered Great Books program for high-achieving undergraduate students at George Fox University.

Students enrolled in the honors program take one Great Books seminar each semester, in addition to major coursework and other electives within the university. Because the honors program provides a substantial liberal arts foundation, the program fulfills the general education requirements for all honors students, with the exception of one math

Academic Rigor: Students in the honors program are expected to maintain a cumulative GPA of 3.0 or above. Failure to maintain this standard may result in dismissal from the honors program.

Honors Requirements

(43 hours)

All honors students take blocks of 6-credit hours for six semesters, for a total of 36 hours. Students have the option of taking an additional 3-credit senior thesis course after completing the honors core.

Students must also meet the regular general education math requirement and take one lab science course. Collectively, these courses constitute the general education package for honors students.

Total hours required: 43 hours.

Core Requirements (36 hours)

Complete the following:

HNRS 150 Athens & Jerusalem 6 hours
HNRS 190 Rome & the Early Church 6 hours
HNRS 250 The Medieval World 6 hours
HNRS 290 Renaissance & Reformation 6 hours
HNRS 350 The Rise of Modernity 6 hours
HNRS 450 The Twentieth Century 6 hours

Mathematics

Complete the following:

MATH 170 Why Math Matters 3 hours

Natural Science

Complete the following:

GSCI 170 Science and Faith 4 hours

Alternative Credit

Course Challenge Programs

Students may reduce the number of required courses and add flexibility to their undergraduate years through one or more of the following programs.

Advanced Placement (AP)

College credit may be granted in several subject areas to the student who completes a college-level course in high school and receives a score of three or better through the Advanced Placement program sponsored by the College Entrance Examination Board. Students expecting advanced placement credit should request, at the time the test is taken, for scores to be sent to George Fox University.

College Level Examination Program (CLEP)

The Educational Testing Service of the College Board provides nationally recognized standardized testing through which college credit may be earned or course proficiency verified. This is the College Level Examination Program (CLEP). Testing through the CLEP General Examinations is designed to verify competency in general education. Tests may be taken in five areas for a maximum of 32 semester hours of credit. (General examinations are to be taken prior to the completion of the first semester of enrollment as a freshman at George Fox University.) Testing through the CLEP Subject Examinations provides verification of competency in selected academic fields such as foreign language and mathematics. These may be taken at any time (unless concurrently enrolled in an equivalent course) and assume competency has been gained in nonclassroom settings.

Credit by Examination

Courses offered at George Fox University for which CLEP testing is not available may be challenged by examination at the discretion of the department. There is a test fee of \$60 per examination. See the registrar for details.

International Baccalaureate (IB)

College credit may be granted in several subject areas to students who complete college-level work through the program. A minimum score of five is required on High Level examinations for credit consideration. Students must provide the registrar's office

Graduation Requirements

Degrees

George Fox University confers these undergraduate degrees:

- Bachelor of arts
- Bachelor of fine arts
- Bachelor of science
- Bachelor of science in athletic training
- Bachelor of science in nursing
- Bachelor of social work

Requirements

A student wishing to receive a bachelor of arts, bachelor of fine arts, bachelor of science, bachelor of science in athletic training, bachelor of science in nursing, or a bachelor of social work degree must meet the following requirements:

1. Accumulate at least 120 semester hours with a minimum cumulative and major GPA of 2.0 (engineering and music education majors must complete additional requirements but may graduate within the 120-hour minimum should program requirements be waived, such as through sufficient SAT scores). The GPA is computed on work taken at George Fox University only;
2. Accumulate at least 39 upper-division semester hours (courses numbered 300 or above)
3. Complete the general education Cornerstone Core requirements
4. Complete a major in a chosen area with no grade below a C-
5. Complete at least 30 semester hours in residency (20 hours must be in senior year; 20 of the last 30 hours must be completed at George Fox University)
6. Complete at least 10 hours of one's major in residency
7. File an Application for Degree form not later than completion of 90 semester hours toward graduation (normally two semesters before expected graduation)
8. Pay in full all accounts at Student Financial Services

In order to participate in commencement and baccalaureate ceremonies, a student must be meeting all commencement eligibility requirements. Information regarding exceptions can be found on the commencement page.

Second Degree

A student wishing to receive a second or concurrent degree must meet the following requirements:

1. Complete a minimum of 30 semester hours for the "second" degree above the minimum 120 hours required for the "first" degree
2. Meet the general education and major requirements for each degree
3. Be in attendance the last two semesters, or 30 hours, preceding the awarding of the "second" degree

4. Pay an additional \$20 graduation fee if participating in one ceremony; otherwise, pay an additional \$50 graduation fee for the "second" degree

The above requirements also apply to students who earned their first bachelor's degree at another institution. For these students no general education is required unless the major has specific general education requirements which must be satisfied. Transfer credit will only be awarded for major requirements of the second degree and limited so as not to reduce the minimum requirements above.

Undergraduate Course Descriptions

Course Prefix**Subject**

MKTG	Marketing
MUSA	Music, Applied Music and Ensembles
MUSI	Music, Theory and Literature
NURS	Nursing
PHYS	Physics
PSCI	Political Science
PSYC	Psychology
SOCI	Sociology
SPAN	Spanish
SSCI	Social Science
SWRK	Social Work
THEA	Theatre
THEO	Theology
WRIT	Writing

ACCT Course Descriptions

ACCT 271 Principles of Financial Accounting

3 hours

accounting major. Prerequisites: ACCT 271 Principles of Financial Accounting and ACCT 272 Principles of Managerial Accounting -3 (n)-3 (a5 (cce)Tf72.024 745.68 Td[((cc)10 (o)-3 (u)

ACCT 371 Financial Accounting and Reporting I

3 hours

A comprehensive study of generally accepted accounting principles, including a review of their historical development and a thorough study of the underlying theory supportit a2 4.003 (laBT/

also gain hands-on experience with software tools used by financial professionals. Prerequisites: MATH 180 College Algebra, CSIS 201 Introduction to Computer Science, ACCT 370 Accounting Information Systems, and ACCT 371 Financial Accounting & Reporting I OR a Business Administration: Finance concentration with successful completion of FINC 300 Intermediate Financial Mgmt.

ACCT 471 Advanced Accounting

3 hours

Accounting for specific types of entities, such as partnerships and not-for-profit organizations. The accounting problems encountered in business combinations and foreign currency translation will be studied. Prerequisites: ACCT 272 Principles of Managerial Accounting and ACCT 370 Accounting Information Systems.

ACCT 472 Auditing

3 hours

An introduction to the standards and procedures observed by Certified Public Accountants in the examination of financial statements. Special areas of study will include evaluation of internal control, ethical considerations, legal environment, the auditor's reports, and evidence-collecting and evaluation. Prerequisites: ACCT 370 Accounting Information Systems, ACCT 371 Financial Accounting and Reporting I and CSIS 201 Introduction to Computer Science.

ACCT 475 Field Experience

1-8 hours

Supervised experiences in businesses, nonprofit organizations, and public agencies. Pass/No Pass.

ACCT 480 Business Taxation

3 hours

This course is an expansion of how tax laws affect individuals, partnerships, corporations, and S corporations. Additional topics in taxation are introduced with emphasis on laws applicable to estates, gifts, trusts, and tax exempt organizations. Prerequisite: ACCT 350 Taxation.

ACCT 485 Selected Topics

3 hours

Occasional special courses chosen to fit the interests and needs of students and faculty.

ACCT 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

ARTD Course Descriptions

ARTD 110 Creative Suite

3 hours

This course is an introduction to industry-standard graphic design applications such as Adobe Illustrator, Photoshop and InDesign. Additional course fee required.

ARTD 220 Typography

3 hours

ARTD 360 Illustration I

3 hours

This course is a study of personal styles and professional illustration skills in a graphic design and commercial context. Students will learn the technical processes of research and image creation as they apply to story telling in commercial applications. Prerequisites: ARTS 111 Drawing I, ARTD 110 Creative Suite. Additional course fee is required.

ARTD 363 History of Visual Communication

3 hours

This course surveys graphic communication through history, and the impact of

ARTD 453 Systems, Identity, and Branding

3 hours

In this exploration of visual thinking and systematic approaches to graphic design including brand development, identity systems and generative design methods, students will develop, design and present projects with clear communicative goals. Additional course fee is required. Prerequisite: ARTD 220 Typography.

ARTD 461 Illustration II

3 hours

Applied illustration projects that allow for exploration of approaches to design across a variety of self-selected media. Students in this course are encouraged to develop a personal approach to illustration through a process of research, making, evaluating,

ARTD 482 Collaborative Design II

3 hours

A revisitation of Collaborative Design I with the increased expectation of leadership and creative direction of teams. Students will operate as creative directors, leading teams of fellow students as they explore leadership, ideation, and collaboration strategies.

ARTP Course Descriptions

ARTP 120 Art and Global Culture: Performing Art

3 hours

This interdisciplinary, core curriculum course centers its intellectual and artistic queries around the enduring question, “How do the arts reveal God’s love for beauty, empathy and creativity across global boundaries?” Using the framework of the Beatitudes (Matthew 5:3-10), students will explore how global cultures both celebrate and critique their communities through the artistic disciplines of art, music and theatre. Throughout the course, students will cross boundaries of difference to investigate how God’s creative spirit manifests itself in artistic expressions of beauty, dissonance and the celebration of the human spirit.

ARTS Course Descriptions

ARTS 101 Basic Design 2-D

3 hours

ARTS 217 Art History Survey from 1450

3 hours

A survey of the elements and concepts of art theory and practice as reflected in culturally and historically significant painting, sculpture, architecture, and other art forms, from 1450 to the present. Additional course fee is required.

ARTS 220 Arts Administration

3 hours

This course will introduce students to the practical skills required for the successful management of arts organizations. Areas covered will include budgeting, marketing/publicity, fundraising, and issues associated with the founding of a non-profit organization.

ARTS 221 Beginning Sculpture

3 hours

An introduction to investigating methods of additive, subtractive, assembled, and cast sculptural techniques. Students will use medias such as glass, plaster, clay, wood and stone, working with the traditional sculptural subject matter of the human figure, plant and animal imagery and abstraction. Additional course fee required.

ARTS 230 Beginning Photography

3 hours

Introduction to the materials, methods, and techniques used in photography. Additional course fee is required.

ARTS 231 Beginning Printmaking

3 hours

An introduction to screen printmaking, and relief printmaking (woodcut, linocut, collagraph) techniques and methods. Additional course fee is required.

ARTS 240 Beginning Mixed Media

3 hours

An inquiry of the essentials of combining a variety of art methods and materials, this class creates opportunities for students to integrate methods of kiln worked glass, assemblage, painting, photography, printmaking, mosaic, and sculptural techniques. Conceptually the student is challenged to have their artwork develop out of ideas gleaned from literature, science, their personal narrative, and current events. Additional course fee required.

ARTS 241 Beginning Ceramics

3 hours

Introduction to basic hand-building techniques and surface design. Additional course fee is required.

ARTS 245 Selected Studio Media

3 hours

A lecture/studio course that deals with an area of interest and faculty specialty, such as watercolor, kiln-worked glass, jewelry, encaustic painting, and bookmaking. The lower-division class is required of the student in the given topic before they can take a more advanced course. The student under a different topic may repeat this course. Student may need to purchase additional supplies. Additional course fee is required.

ARTS 321 Intermediate Sculpture

3 hours

This course continues exploration of sculptural techniques, including specific projects working with casting methods using glass, plaster, plastic, clay, and wax. Students are also at liberty to work in developing a deeper understanding of working in media such as metal, stone, wood and clay while cultivating a conceptual framework for their artwork. Additional course fee required. Prerequisite: ARTS 221 Beginning Sculpture.

ARTS 330 Intermediate Photography

3 hours

Provides an opportunity for further development of skills and for the introduction of more advanced techniques. Additional course fee is required. Prerequisite: ARTS 230 Beginning Photography.

ARTS 331 Intermediate Printmaking

3 hours

A further development of the students' knowledge and use of printmaking (silkscreen, woodcut, linocut, collagraph) and a further introduction to intaglio and etching techniques and methods. Additional course fee is required. Prerequisite: ARTS 231 ARP (0) ARTS 230 or 231

ARTS 365 Selected Topics in Non-Western Art

3 hours

Art and its relationship to a non-Western culture, e.g., African, Asian, Latin American. Specific topic will be dependent on the instructor's area of specialization. Additional course fee is required.

ARTS 382 Twentieth-Century Art and Design

3 hours

Art and its relationship to global culture of the 20th century. Additional course fee is required.

ARTS 384 Contemporary Art Forms

3 hours

This course examines and participates in the forms and methods of art in the 21st Century. Emphasis is placed upon investigating post-modern art theory while looking at current artists of note. The genres of video, installation, conceptual, digital and performance art are explored. In addition, students create their own work of digital media and conceptual art in the progression of the class. Additional course fee required.

ARTS 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

ARTS 401 Advanced Painting

3 hours

Focuses on the individual artistic development of students as they combine techniques and subject matter into a personal style of visual communication. Additional course fee is required. Prerequisite: ARTS 301 Intermediate Painting.

ARTS 411 Figure Drawing II

3 hours

Upper division students will be given more latitude in the creative application of the concepts stated in Figure Drawing I. Additional course fee is required. Prerequisite:

ARTS 465 Continuing Studies in Studio Media

1-3 hours

Guided study in studio media such as ceramics, sculpture, painting, glasswork, printmaking, photography, etc., focused on professional practice, in-depth media exploration, development of individual voice, and exploration of historical and contemporary exemplars. Additional course fee required. Student may need to purchase additional supplies. Pre-requisites: completion of advanced course in corresponding discipline and instructor's permission.

ARTS 475 Field Experience

3 hours

ARTV Course Descriptions

ARTV 120 Art and Global Culture: Visual Art

3 hours

This interdisciplinary, core curriculum course centers its intellectual and artistic queries around the enduring question, “How do the arts reveal God’s love for beauty, empathy and creativity across global boundaries?” Using the framework of the Beatitudes (Matthew 5:3-10), students will explore how global cultures both celebrate and critique

BIOL 221 Human Anatomy and Physiology I

4 hours

Structure and function of the human body. Fall semester topics include basic chemistry, body organization, integument, skeleton, muscles, and the nervous system, including special senses. The course is designed for nonscience majors. Three lectures and one laboratory per week. Additional course fee is required.

BIOL 222 Human Anatomy and Physiology II

4 hours

Structure and function of the human body. Spring semester topics include cardiovascular, reproductive, endocrine, respiratory, urinary, and digestive systems. The course is designed for nonscience majors. Three lectures and one laboratory per week. Prerequisite: BIOL 221 Human Anatomy and Physiology I, or permission from instructor. Additional course fee is required.

BIOL 275 Field Experience

1-6 hours

Includes internships and practica required for professional programs. The experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Prerequisite: permission of the instructor and chairperson of the department. Pass/No Pass.

BIOL 285 Selected Topics

1 hour

Offered when special needs arise or when sufficient enrollment permits. Course content includes specific interests of faculty or visiting professors, or special training required by

BIOL 310 Developmental Biology

4 hours

Theories and study of differentiation as they apply to growth and development of animals, with some emphasis on the mechanism involved. Includes historical topics, fertilization, embryonic organization, cell induction, histogenesis, organogenesis, and developmental morphogenesis of echinoderms, frogs, chicks, and pigs. Three lectures and one three-

required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems or instructor permission.

BIOL 340 Plant Physiology

4 hours

A study of plant function from the molecular to the organismic level. Photosynthesis, respiration, water relations, growth and development, mineral nutrition, and practical applications will be covered. Three lectures and one three-hour laboratory period per week. Additional course fee is required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems.

BIOL 350 Genetics

4 hours

A general genetics course covering Mendelian genetics, population genetics, and an introduction to molecular biology. This course fulfills the requirement for biology majors, and is appropriate for those with an interest in current topics in genetics, including inheritable diseases, cloning, and other recent scientific breakthroughs. Three lectures and one three-hour laboratory per week. Additional course fee is required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems or instructor permission.

BIOL 360 Ecology

4 hours

An analysis of population, community, and ecosystem dynamics. Laboratory will emphasize field measurements, computer modeling, and behavior. Three lectures and one three-hour laboratory per week, and one required field trip to the Malheur Field Station. Additional course fee required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems and BIOL 311 Ecology & Biodiversity or instructor permission.

BIOL 367 Essentials of Microbiology

4 hours

A course in the structure, metabolism, classification and health aspects of microorganisms. Special emphasis will be given to human-microbe interactions and clinical aspects of infection. Methods of microbiological investigation are emphasized and include current techniques and experiences within the field of Microbiology. Course designed for students not majoring in biology. Pre-requisites: BIOL 221 Human Anatomy and Physiology I; BIOL 222 Human Anatomy and Physiology II and CHEM 150 Foundations of General, Organic, and Biochemistry; or permission of the instructor. Additional course fee required.

BIOL 370 Microbiology

4 hours

A course for biology majors in the structure, metabolism, classification and health aspects of microorganisms. Special emphasis will be given to microbial diversity, the molecular physiology and genetics of prokaryotes, and the human immune response to infection. Methods of microbiological investigation are emphasized and include current techniques and experiences within the field of Microbiology. Additional course fee required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems or instructor permission.

BIOL 380 Ornithology

4 hours

A study of avian biology including phylogeny, evolution, anatomy, physiology, behavior, and ecology. Laboratory will emphasize identification, bird banding, and basic anatomy. Two lectures and one three-hour laboratory per week, and one required field trip to the Malheur Field Station. Additional course fee is required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems or instructor permission.

BIOL 390 Plant Biology

4 hours

This course integrates the disciplines of plant diversity, plant physiology, plant systematics and plant ecology by surveying the structure and function of plants from the organismal to the ecosystem levels. Students will receive a comprehensive survey of concepts in plant biology with an emphasis on mechanisms of development and growth, ecophysiology, identification and classification, and current global issues that are rooted in plant biology. Two lectures and one laboratory per week. Additional course fee is required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems and BIOL 311 Ecology & Biodiversity or instructor permission.

BIOL 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

BIOL 410 Molecular Biology

4 hours

An introduction to the modern field of molecular biology. We will examine the structure, organization, and transfer of genetic information at the molecular level and its requirement for life processes. Viral, prokaryotic, and eukaryotic systems will be examined. Major themes include transcriptional regulation, post-transcriptional events (RNA processing), and regulation of translation. The laboratory is designed to include current techniques and experiences within the field of molecular biology. Additional course fee is required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems or instructor permission.

BIOL 420 Cell Biology

4 hours

This course includes the study of cell physiology, energetics, neurobiology, muscle biology, and cell signaling. Other topics that will be discussed are cancer and immunology at the cellular level. Laboratory will focus on current cell culturing and analysis techniques. Three lectures and one three-hour laboratory per week. Additional course fee is required. Prerequisites: BIOL 211 Cellular Biology & Genetics and BIOL 212 Organisms & Physiological Systems or instructor permission.

BIOL 450 Advanced Human Anatomy

4 hours

A majors-level course intended to meet the anatomy requirement of graduate/professional programs in health-care fields. A course presenting a systemic approach to the study of the human body. Lecture presentations begin with an introduction of anatomical terminology, tissue classification, and developmental origins to systems.

BIOL 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

BIOL 496 Senior Thesis

1 hour

An independent study course for completion of a senior thesis. Required for all thesis-track majors in their senior year.



wide. Topics will include identifying personal mission and values; developing character; faith in the workplace; ethical perspectives, moral reasoning, and decision-making formats; ethical organizational communication and influence; ethical group behavior and leadership; and the creation of ethical organizational climates. Prerequisite or Co-requisite of BUSN 110.

BUSN 475 Field Experience

1-6 hours

Supervised experiences in businesses, nonprofit organizations, and public agencies.
Pass/No Pass.

BUSN 485 Selected Topics

1

CHEM Course Descriptions

CHEM 120 Foundations of Chemistry

4 hours

This course will cover introductory concepts of chemistry. Special attention is given to topics of current interest, such as environmental chemistry, alternative energy, or biochemistry. This course meets general education requirements and is designed for non-science majors. Three lectures and one laboratory period per week. This course is offered through High School Concurrent Enrollment Early College Program (h)-3 (

CHEM 300 Quantitative Analysis

4 hours

This course covers the principles and techniques of quantitative analysis in biochemical and chemical systems. The subject matter includes: the use of statistical methods of data analysis; the primary methodologies for conducting quantitative experiments; and the use of modern instrumentation for quantitation of chemical and biochemical compounds. The laboratory component focuses on the development of specific skills used in the laboratory and the use of spectroscopic, electrochemical, and chromatographic methods for quantitative analysis. Additional course fee is required. Prerequisites: CHEM 211 General Chemistry I and CHEM 212 General Chemistry II.

CHEM 331 Organic Chemistry I

4 hours

A study of principles, structure, bonding, reactions, and energy as related to carbon chemistry. The laboratory stresses materials, equipment, and skills in synthesis, purification, and identification of representative groups of organic compounds. Three lectures and one three-hour laboratory per week. Additional course fee is required. Prerequisites: CHEM 211 General Chemistry I and CHEM 212 General Chemistry II.

CHEM 332 Organic Chemistry II

4 hours

A study of principles, structure, bonding, reactions, and energy as related to carbon chemistry. The laboratory stresses materials, equipment, and skills in synthesis, purification, and identification of representative groups of organic compounds. Three lectures and one three-hour laboratory per week. Additional course fee is required. Prerequisites: CHEM 331 Organic Chemistry I.

CHEM 341 Biochemistry I

4 hours

A systematic and theoretical study of the biochemical activities of living cells. Topics to be covered will include: the structure, properties, and molecular interactions of biomolecules, metabolic pathways, bioenergetics, and metabolism of biomolecules, and RNA, DNA, and protein synthesis. Three lectures and one three-hour laboratory per week. Additional course fee is required. Prerequisites: CHEM 331 Organic Chemistry I.

CHEM 342 Biochemistry II

4 hours

A systematic and theoretical study of the biochemical activities of living cells. Topics to be covered will include: the structure, properties, and molecular interactions of biomolecules, metabolic pathways, bioenergetics, and metabolism of biomolecules, and RNA, DNA, and protein synthesis. Three lectures and one three-hour laboratory per week. Additional course fee is required. Prerequisites: CHEM 341 Biochemistry I.

CHEM 365 Advanced Topics in Biochemistry

4 hours

These courses offer a rotating list of advanced topics relevant to student interests for example: Environmental Chemistry & Nanotoxicology and Nutrition and Food Chemistry. Designed to help students in the Department of Biological and Molecular Science become acquainted with latest ideas on advanced topics in biochemistry. Emphasis on analysis of key concepts in the field with reference to classical papers and

recent literature. Additional course fee is required. Prerequisites: CHEM 211 General Chemistry I, CHEM 212 General Chemistry II, and CHEM 331 Organic Chemistry I.

CHEM 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

CHEM 400 Biochemical Thermodynamics

4 hours

This course focuses on the intersection of energy and biochemical and biological systems from the electron to the molecule to the ensemble. An overview of quantum mechanics, kinetics, thermodynamics, and statistical mechanics is presented, with an emphasis on real-world biochemical and biological applications. Topics such as assembly of cell membranes, binding of growth factors to cells, ligand-gated ion channels, thermodynamic models of transcription, connection of macroscopic thermodynamic properties to microscopic molecular properties using statistical mechanics, chemical potentials, equilibrium states, binding cooperativity, behavior of macromolecules in solution and at interfaces, and solvation. Additional course fee is required. Prerequisites: CHEM 211 General Chemistry I, CHEM 212 General Chemistry II, and CHEM 331 Organic Chemistry I.

CHEM 450 Quantum Chemistry

3 hours

An introduction to the quantum mechanical description of matter. Emphasis on the development of fundamental principles of quantum theory and applications to atomic and molecular structure and spectroscopy. Three lectures per week. Prerequisites: CHEM 332 Organic Chemistry and MATH 202 Calculus II. Corequisites: PHYS 202 General Physics II or PHYS 212 General Physics with Calculus II and MATH 301 Calculus III.

CHEM 461 Chemistry Seminar

1 hour

An advanced, senior-level course that will focus on reading and searching the chemical literature for the purpose of designing an independent research project. One lecture per week. Prerequisites: Instructor's permission.

CHEM 462 Experimental Chemistry

2 hours

An advanced, senior-level laboratory course integrating synthetic techniques, instrumental methods, reaction kinetics, thermodynamics, spectroscopy and an original research project. The purpose is to build on and consolidate the student's previous experiences in experiment design and execution, data acquisition and analysis, problem solution, and oral and written communication of results. Two laboratory sessions per week. Additional course fee is required. Prerequisites: CHEM 461.

CHEM 465 Chemical Research

1-4 hours

Experimental and/or theoretical research in a topic of the student's choosing, supervised by the chemistry faculty. Prerequisite: upper-division chemistry majors and by permission of individual faculty member.

CHEM 475 Field Experience

1-3 hours

Supervised experience with an off-campus industry or agency using applied chemistry. Prerequisite: instructor's permission. Pass/No Pass.

CHEM 485 Selected Topics

CINE Course Descriptions

CINE 160 History of U.S. Cinema

3 hours

An historical examination of the moving image, including television programming and film in the United States. Employs contextual and ethical methods for illuminating the relationship of these media artifacts to modern culture, both secular and religious.

CINE 210 Storyboarding and Concept Design

3 hours

This is the study of pre-production and previsualization techniques used in animation. Topics include developing story, storyboarding, concept design, and editing animatics. Additional course fee required. Prerequisites: ARTD 110 Creative Suite and ARTS 111 Drawing I or instructor's permission.

CINE 212 Introduction to Animation

3 hours

This is an introduction to the fundamentals of animation production, from traditional hand drawn techniques to stop motion animation. In this hands-on workshop, students will produce short animation projects. Additional course fee required.

CINE 214 2D Computer Animation

3 hours

This is an introduction to 2D computer animation using industry standard software and techniques. Students will create character animations and short animation projects. Additional course fee required. Prerequisite: ARTD 110 Creative Suite and CINE 212 Introduction to Animation ou

CINE 275 Field Experience

2

CINE 333 Camera and Lighting

3 hours

This course explores the various camera and lighting techniques used in film and digital video production. Students will focus on applying lighting techniques and camera movement to create specific visual effects. Students will apply the ideas discussed in the text and lectures to a series of in-class explorations, in addition to scenes filmed outside of class. Prerequisite: CINE 230 Storytelling, Moving Images & Sound or instructor's permission. Additional course fee required.

CINE 343 Sound Design

3 hours

This class explores the use of digital sound technology to record, edit, and mix audio for film and television. Students will use their audio skills to record sound both in the field and in the recording studio. Additional course fee is required. Prerequisite: CINE 243 Introduction to Audio or instructor's permission.

CINE 344 Studio Sound Recording

3 hours

Students will learn to record music and vocal tracks in a digital o2d4 479.issindig479.83 Td[(S)-2 (tu)-5

the aspects of production and post-production. Additional course fee is required.
Prerequisite: CINE 371 Documentary Production I.

CINE 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

CINE 410 3D Computer Animation II

3 hours

This is an advanced course in 3D computer animation using industry standard software and techniques. Emphasis is placed on rigging and character animation. Students will create short animation projects. Additional course fee required. Prerequisite: CINE 212 Introduction to Animation and CINE 312 3D Computer Animation I

CINE 430 Producing and Directing Video

3 hours

An advanced course in video directing and producing. Students explore the preproduction, production, and postproduction of original short feature videos for the Fox Film Festival. Prerequisite: CINE 350 Editing Video. Additional course fee required.

CINE 475 Field Experience

1-10 hours

An internship experience designed to give students an opportunity to practice video and film techniques and princ(ract)-pIT2 (r)11 (A)-2 (n)-3 (im)5 (a)-3 (tio)6 (n)-3 (l)]TJEAdn I

Additional course fee is required. Prerequisite: CINE 481 Advanced Production Workshop I or instructor's permission.

CINE 485 Selected Topics

1 hour

An advanced seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty. Additional course fee may be required.

CINE 490 Senior Portfolio

1 hour

This class helps prepare students for entry into the professional realm by developing networking and marketing strategies, and by preparing a professional reel of their best work, which will be critiqued by members of the local media industry. Prerequisite: senior status. Additional course fee required.

CINE 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

COMM Course Descriptions

COMM 111 Communication in Society

3 hours

presentation skills. (BUSN 250 and COMM 250 are identical courses.) Prerequisites:
BUSN 110 Introduction to Business and COMM 111 Communication in Society.

COMM 260 Introduction to Communication Research Methods

3 hours

a professional or expert in their field. Admission to course and amount of credit are determined by the faculty supervisor. This course is offered each term. Up to 6 hours may count toward major requirements. Pass/No Pass. Prerequisites: Communication major, junior standing and completion of 9 credits in COMM coursework.

COMM 480 Senior Capstone: Ethical and Spiritual Dimensions of Communication

3 hours

Designed to integrate skills and concepts from communication course work with ethical and spiritual principles through readings, written assignments, and assessment instruments. Students will complete portfolios that will include work samples and department exit exams along with a statement of what it means to be a Christian communicator. A service component may be included as part of the course.

COMM 485 Selected Topics

3 hours

A variety of topics may be offered that reflect the interests of faculty, visiting professors, and students.

COMM 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is

CPAS Course Descriptions

CPAS 100 Effective College Learner

1 hour

A course related to the Academic Success Program through which personal confidence is enhanced by instruction in study skills, methods, and tools used by successful college students. It may be taken during the spring semester by students not in the Academic Success Program. Pass/No Pass.

CPAS 105 Individual Academic Coaching

1 hour

Students meet weekly with a success coach for support and accountability. Success coaches help students navigate academic, personal, family, and work responsibilities. The course includes review of weekly schedules, semester planning, and a meeting with the student's CAP Coach and Faculty Advisor. Permission is required to enroll in the course. Pass/No Pass.

CPAS 111 Writing Portfolio Development

4 hours

This course is designed to help non-native speakers of English become proficient with college-level academic writing. Students must create and submit a passing writing portfolio, one component of the writing proficiency milestone.

CPAS 125 Academic English Development

1-3 hours

This course assists students in improving their academic English skills. Students concurrently enroll in a designated general education or disciplinary course, and the content, activities and assignments for that course provide the context for developing academic English skills including listening and reading comprehension, note taking, writing, vocabulary, speech and study skills. Prerequisite: Instructor's permission. Corequisite: Enrollment in the designated general education course.

CPAS 130 Becoming a Master Student

1-3 hours

This course is designed to empower students to reach their academic goals. It introduces strategies, techniques, and self-management tools that research has shown

CPAS 216 Internship: Finding, Landing and Succeeding

1 hour

This course will help you to: identify a career direction, create a personal brand, build a professional network, write an effective resum(n)-3rg de96,

CSIS Course Descriptions

CSIS 304 Web-Based Programming

3 hours

A computer programming course using web-based technologies. The emphasis of the course is placed on fundamental concepts of computer programming and application development through the creation of interactive Web applications. The course is designed for students who want to design and implement web-based applications. Additional course fee is required.

CSIS 310 Data Structures

3 hours

CSIS 321 Software Engineering

3 hours

An introduction to the formal processes and industry-standard tools used in producing quality software. The entire life cycle of software development is presented and utilized. Students work in teams to specify, design, implement, test, release, and maintain a non-trivial software project using a modern software development methodology. Additional course fee required. Prerequisite: CSIS 202 Introduction to Computer Science II.

CSIS 330 Human-Computer Interactions (HCI)

3 hours

An introduction to the principles and methods used to design effective interfaces for users. A basic precept of human-computer interactions (HCI) is that users should be enabled to focus on achieving their goals, rather than forced to deal with the intricacies of complex software and features. The course provides an overview of human perception and cognition with respect to hardware and software interfaces, and emphasizes a human-centered design approach to crafting goal-oriented interfaces based on detailed personae development, comprehensive user stories, storyboarding, design sketches, and low- and high-fidelity functional prototypes. Students will apply principles learned in the course to design, construct, and evaluate various types of interfaces. The course provides a balance of theoretical and applied knowledge in an oft-neglected aspect of software development, giving students experience not typically provided by other courses in computer science. Additional course fee is required. Prerequisite: CSIS 201 Introduction to Computer Science I.

CSIS 340 Database Systems

3 hours

A study of the organization of database systems for information storage, retrieval, performance, and security. Examples of hierarchic, network, and relational-based systems are presented. Additional course fee is required. Prerequisite: CSIS 310 Data Structures.

CSIS 344 Introduction to Data Science

3 hours

An introduction to foundational concepts in data science, including: information retrieval and storage, preprocessing, visualization, exploratory data analysis, applied machine learning, research methods, and experimental design. Students will develop solutions to computational problems spanning a variety of disciplines using state-of-the-art scientific programming tools and techniques, with an emphasis on the interpretation and presentation of experimental results. Additional course fee required. Prerequisite: CSIS 201 Introduction to Computer Science I or by instructor permission.

CSIS 360 Computer Architecture and Assembly Language

3 hours

An introduction to digital computer hardware architecture and organization. Topics include digital logic, processor design, instruction sets, and system architecture. Programs written in assembly language will be used to gain hands-on experience with the underlying system architecture. Additional course fee is required. Prerequisite: CSIS 310 Data Structures.

CSIS 370 Object-Oriented Analysis and Design

3 hours

A study of the fundamental concepts of object

and incident handling. Upon completion, students should be able to plan effective information security defenses, backup systems, and disaster recovery procedures. The course requires a lab component that provides practical experience working with current technologies for defense. Additional course fee is required. Prerequisites: CSIS 413 Ethical Hacking and CSIS 450 Network Administration.

discipline as well as in the selected area of study. Prerequisite: Upper-division computer science majors and by permission.

CSIS 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

ECON Course Descriptions

ECON 150 Radical Economics: From Sabbath to Socialism

3 hours

Influential thinkers from Moses to Marx have sought to understand and overcome the problem of scarcity in surprising and radical ways. In this class students will learn about ways in which individuals and groups have used these ideas to shape the economy around them. Students will explore the work of secular and Christian thinkers as they seek to understand how to flourish as consumers, workers, and citizens in the modern world.

ECON 200 Principles of Economics

3 hours

This course is an introduction to the fundamental principles of economics, and their application at the micro and macro level. In the microeconomic portion of the course the behavior of individuals, households, and firms will be explored. The macroeconomic portion of the course will focus on economy-wide conditions, such as gross domestic product, unemployment, and recessions. Throughout the course the ways in which the

ECON 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

ECON 311 Intermediate Macroeconomics

3 hours

The course studies the economy as a whole by examining the national income account, monetary policy and its aggregates such as money supply, price level, and interest rates, and fiscal policy and its aggregates such as real income, consumption, and investment. It covers topics presented in ECON 200 in a more advanced manner. The course will analyze the economy in the long run when prices are flexible, in the very long run with a special emphasis on capital accumulation, and in the short run when prices are sticky. It also discusses the microeconomics behind macroeconomics by analyzing the aggregate consumption function in more detail. Prerequisites: ECON 200 Principles of Economics and MATH 190 Pre-Calculus or higher.

ECON 340 Public Economics

3 hours

An overview of the economic role and impact of government, including topics in public finance, fiscal policy, monetary policy, and the banking system, and the economics of regulation. Prerequisite: ECON 200 Principles of Economics.

ECON 370 International Economic Development

3 hours

This course introduces students to causes and consequences of 'the wealth of nations.' Students will learn theories of economic growth and poverty alleviation. Topics to be covered include: globalization, education, international trade, holistic conceptions of development, and the role of institutions. (ECON 370 and SOCI 370 are identical courses.) Prerequisite: ECON 200 Principles of Economics.

ECON 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Offered in May Term. Students must meet eligibility requirements.) Additional course fee is required.

ECON 410 Econometrics

3 hours

This course deals with the application of statistical techniques to the analysis of economic data. Economists, financial analysts and others rely on econometric methods to estimate relationships and forecast employment, income and other trends. This course emphasizes hands-on application of econometric techniques to a variety of publicly available data. Considerable attention will be paid to the nature and sources of economic data and the application of econometric methods to common questions of

EDUC Course Descriptions

EDUC 250 Teaching as a Profession

2 hours

This is a one-semester introductory course on the teaching profession for those planning to enroll in an MAT program or considering teaching as a profession. Students will expand their understandings of the field of education and the role of teachers through class topics and experiences. They will also participate in a 10-hour classroom field experience. The George Fox University MAT program application process and requirements will be discussed. (This course is not part of the undergraduate elementary education major.) Prerequisite: junior or senior status

EDUC 260 Teaching, Schooling and Learning

4 hours

Course is an overview of history and diverse social issues in education and an exploration of teaching as a career. Serves as an introduction to the teacher education program at George Fox University. Survey of learning theories and possible applications in the elementary classroom are explored. Required for elementary teaching majors and music education majors. Includes 10 hours of clinical practice. Prerequisite: Declared undergraduate elementary education major.

EDUC 270 Intercultural Communication in the ESOL/Bilingual Context

2 hours

Examines the diverse and dynamic role of culture in the ESOL student's language development and academic achievement. The course also emphasizes the application of this knowledge for instruction and the involvement of community and its resources for maximizing ESOL students' academic achievement.

EDUC 275 Field Experience

1-2 hours

An elective field placement individually designed with approval of the instructor. Does not substitute for required field assignments; 40 hours fieldwork per credit is required. Pass/No Pass.

EDUC 285 Selected Topics

1-3 hours

A seminar dealing with various topics as announced that represent current faculty interests and competencies.

EDUC 295 Individualized Study

.5-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

EDUC 346 The Inclusive Classroom in a Diverse Society

4 hours

Effective educators recognize and embrace diversity as an asset in the classroom. This course will examine the diversity of cultures, languages, experiences, and knowledge that our st

EDUC 376 Student Teaching I for Middle-Level Authorization

1 hour

A laboratory experience consisting of general and specific tasks, managing and instructing pupils and assisting teaching in the classroom. Prerequisites: EDUC 353 Trends and Issues in Middle-Level Education and EDUC 375 Practicum I.

EDUC 381 Classroom Management

2 hours

Clearly, individual classroom teachers can have a major impact on student achievement. Of the three major roles of the classroom teacher – making choices about instructional strategies, designing classroom curriculum, and employing classroom management techniques – classroom management is arguably the foundation.

EDUC 461 Applied English Linguistics

4 hours

In this course, we will examine the nature of language, as well as research and examine language teaching strategies specific to the English Language Development classroom. Students will investigate and identify the underlying structure of language and its component systems through interactive, semester-long projects with second-language learners. The course examines the fundamental elements, processes and patterns of oral and written language for the teacher of English to speakers of other languages. Topics include phonetics, phonology, pragmatics, morphology, orthography and writing conventions, syntax, semantics, and discourse analysis. English is the primary focus of the course, with reference to other languages commonly spoken by students in Oregon classrooms. Additionally, students will develop a repertoire of best practices and scaffolds that support language development through the Language Development Specialist lens. Prerequisite: Successful admission into the undergraduate elementary education major.

to federal and state policies; and will be prepared to implement fair and realistic accommodations/assessments in the mainstream classroom. Prerequisite: Successful admission into the undergraduate elementary education major.

EDUC 485 Selected Topics

1-3 hours

A seminar dealing with various topics as announced that represent current faculty interests and competencies.

EDUC 490 Senior Seminar

2 hours

This course assists teacher candidates to synthesize their foundation, methods and content background during the full time clinical experience, including content to prepare

ENGB Course Descriptions

ENGB 250 Biomaterials

3 hours

performance characteristics, biocompatibility testing, and long-term biological response (tissue formation / fibrosis). Relevant design considerations will be discussed, including

of biomedical devices and sensors. These include both external and implanted devices. Students will apply what they have learned to a design project culminating in a prototype presentation. Additional course fee is required. Prerequisite: ENGB 350 Biosignal Analysis.

ENGB 420 Biomechanics

3 hours

From a biomechanical perspective, the healthy human skeleton is an optimal structure

ENGB 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

ENGC Course Descriptions

ENGC 210 Site Development w/ AutoCAD and Civil 3D

2 hours

Introduction to civil design for transportation, municipal, and private development projects. Creation of digital topographic maps using survey data of existing terrain is emphasized. For transportation systems the geometric layout of highways, streets, and intersections is covered using current AASHTO and ODOT standards. For private and municipal projects, site plans include vehicle access, parking, and pedestrian access in accordance with ADA requirements and Oregon state codes. Storm water drainage and sanitary sewer pipe systems are designed in accordance with local or state standards. The development of grading plans for on-site construction activities is emphasized. This course introduces students to drafting and design using AutoCAD and Civil3D software. Additional course fee is required. Prerequisites: ENGR 151 Engineering Principles and MATH 201 Calculus I.

ENGC 220 Engineering Surveying

2 hours

Basic principles of land surveying and surveying equipment. Concepts include calculating position on spherical and plane surfaces. Principles of vertical and horizontal measurements in engineering and construction projects. One lecture and one three-hour laboratory per week. Additional course fee is required. Prerequisite: MATH 190 Precalculus Mathematics

ENGC 285 Special Topic

1-31 hours

An introductory seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty.

ENGC 295 Individualized Student

ENGC 430 Reinforced Concrete Design

3 hours

Fundamental principles of reinforced concrete design in accordance with the ACI Building Code. Topics include concrete materials, beams in bending, shear, and torsion, development, anchorage and splicing, serviceability, columns, slabs, frames, and footings. Additional course fee is required. Prerequisites: ENGC 330 Structural Analysis and Design.

ENGC 450 Construction Management and Professional Practice

2 hours

Principles and practice of construction engineering and project management. Development of cost estimates and project schedules. Basic construction methods and fundamental construction terminology. Overview of civil engineering professional practice including career paths, ethics and professionalism, project planning, dispute resolution, and effective decision making. Two lectures and one two-hour laboratory per week. Additional course fee is required. Prerequisites: Senior standing or consent of instructor.

ENGC 460 Design of Steel Structures

3 hours

Basic principles of structural steel design and analysis. Topics include axial members, beams, bolted and welded connections, composite beams, and structural systems. Emphasis will be on the LRFD Method and AISC Code. Additional course fee is required. Prerequisites: ENGC 330 Structural Analysis and Design.

ENGC 475 Field Experience

1-3 hours

Supervised experience in the discipline including internships and practica required for professional programs. This advanced experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Pass/No Pass. Prerequisite: instructor's permission.

ENGC 485 Selected Topics

1-3 hours

An advanced seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty. Additional course fee required.

ENGC 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

ENGE Course Descriptions

ENGE 220 Digital Logic Design

4 hours

ENGE 285 Special Topic

1-3 hours

An introductory seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty. Additional course fee required.

ENGE 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the re-3 (u)-3 (tsid)-3P0ha(troa)-5 (cu)-in

ENGE 330 Electrical Signals and Networks

4 hours

Fundamental concepts of continuous-time and discrete-time signals and systems are covered. Topics covered include linear time-invariant systems, the convolution integral and impulse response; Fourier series and frequency domain analysis; Fourier and Laplace techniques; principles of sampling and modulation; theoretical and practical aspects of electrical networks; loop and nodal analysis of multi-port networks; admittance, impedance, and transmission parameters; and matrix solutions. Additional course fee is required. Prerequisites: ENGE 250 Electrical Circuit Analysis and MATH 301 Calculus III.

ENGE 350 Electrical Network Analysis

3 hours

Theoretical and practical aspects of electrical networks. Loop and nodal analysis of multi-port networks. Admittance, impedance, and transmission parameters; matrix solutions. Butterworth, Chebyshev, and other useful network response functions; network theorems. Synthesis of passive and active networks. Additional course fee is required. Prerequisite: ENGE 250 Electrical Circuit Analysis.

ENGE 360 Electromagnetic Fields and Waves

3 hours

Theoretical study of static and dynamic electric and magnetic fields. Gauss' law and the static electric field; boundary value problems in electrostatics. Effects of dielectric and magnetic media properties. Magnetostatics; Faraday's law and applications. Maxwell's equations for time-varying fields; wave propagation; Poynting's theorem. Numerical methods and computer simulation tools in electromagnetics are introduced. Additional course fee is required. Prerequisites: ENGE 250 Electrical Circuit Analysis and MATH 301 Calculus III.

ENGE 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serveral em(se)-8 61 317.58l 12 792 reW*nBT/TT2 12 Tf72.024 255.41

ENGE 420 Embedded System Design

3 hours

This course teaches students how to design and manufacture microcontroller-based

Transform (FFT), digital filtering using the FFT, analog-to-digital and digital-to-analog conversion, effects of quantization and finite-word-length arithmetic. Additional course fee is required. Prerequisite: ENGE 312 Applications of Electronic Devices.

ENGE 485 Selected Topics

1-3 hours

An advanced seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty. Additional course fee required.

ENGE 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of spec

ENGM Course Descriptions

ENGM 211 Statics

3 hours

Static force and moment vectors, resultants. The free-body diagram is used extensively to understand the equilibrium of a whole physical system through isolation of each component, particle, or body. Applications to simple trusses, frames, and machines. Distributed loads. Internal forces in beams. Properties of areas, second moments. Laws of friction. Additional course fee is required. Corequisite: MATH 301 Calculus III. Prerequisites: ENGR 152 Engineering Principles II and PHYS 211 General Physics w/ Calculus I.

ENGM 212 Dynamics

3 hours

This course considers the mathematical description of particles and rigid bodies in motion under the action of forces, moments and couples. Students learn how to describe the geometry of motion (kinematics) and then move into two and three-dimensional kinetic analysis. Applications using computer software are included. Additional course fee is required. Prerequisite: ENGM 211 Statics

ENGM 220 Materials and Processes in Manufacturing

3 hours

Mechanical and metallurgical fundamentals of cutting operations, metal forming by deformation, material fabrication, and nontraditional processing. Manufacturing systems, concepts in production, green design, and design for manufacturability (DFM). Additional course fee is required. Corequisite: ENGB 250 Biomaterials or ENGM 250 Principles of Materials Science.

ENGM 250 Principles of Materials Science

3 hours

Course concerns the science underlying the behavior of engineering materials, including the relation between atomic structure and mechanical, electrical, and magnetic properties in metals, ceramics, polymers, composite materials, and semiconductors. Phase diagrams, heat treatment, and corrosion mechanisms are also presented. Laboratory exercises are included to enhance course theory and to provide hands-on experience with materials measurement apparatus and analysis techniques. Two lectures and one laboratory per week. Additional course fee is required. Prerequisites: CHEM 211 General Chemistry I and ENGR 152 Engineering Principles II.

ENGM 275 Field Experience

1-3 hours

Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Pass/No Pass. Prerequisite: instructor's permission.

ENGM 285 Special Topics

2-4 hours

Occasional special courses chosen to fit the interests and needs of engineering students and faculty. Additional course fee is required.

ENGM 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

ENGM 311 Engineering Thermodynamics

3 hours

Classical treatment of thermodynamics emphasizing the first and second laws and their application to closed and open (control volume) systems undergoing steady, unsteady, and cyclic processes. Introduction to vapor power systems. Tabular and graphical thermodynamic property data are used in analysis. (n.u)-3 (l)12 (in-3 (n)6 (a)6d-(in1 (d)-3 (y)10 (n)-3 (a)6

motion using both integral and differential control volume analysis; incompressible inviscid flow, dimensional analysis and similitude; pipes, ducts, and open channel flow; and boundary-layer concepts and their application to lift and drag. Additional course fee is required. Prerequisites: ENGM 212 Dynamics, ENGM 311 Engineering Thermodynamics and MATH 311 Differential Equations w/ Linear Algebra.

ENGM 350 Machine Dynamics and Vibrations

3 hours

Kinematic and dynamic analysis of basic mechanisms with an introduction to kinematic synthesis. Fundamentals of vibration theory and their application to lumped parameter systems. Both single- and multi-degree of freedom systems having steady-state and transient responses are considered. Concepts of machine dynamics and design are supplemented with mathematical, graphical, and computer techniques and analysis. Applications using dynamic analysis software are included. Additional course fee is required. Prerequisites: ENGM 212 Dynamics and MATH 311 Differential Equations with Linear Algebra.

ENGM 360 Computer-

ENGM 400 Design of Machine Elements

ENGR Course Descriptions

ENGR 151 Engineering Principles I

3 hours

Introduction to the concepts and methods of engineering problem solving and design. Topics include the following: analysis and design methodologies, structured computer programming, basic principles of engineering graphics, the visualization and modeling of real-world systems, and an introduction to the history and ethics of the engineering profession. Computer-aided-design (CAD) tools, solid modeling and simulation software, and mathematics software applications are presented. Students work on numerous team design projects, communicating their results through oral and written reports. Meets twice weekly in a lecture/lab environment. Additional course fee is

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FINC Course Descriptions

FINC 260 Business Finance

3 hours

An introduction to the finance function of a business entity. Specific topics to be studied include capital budgeting, cost of capital determination, sources of financing, leverage and its effect on the profits and risk of business, and managing the asset mix and capital structure of a business. Prerequisites: ACCT 271 Principles of Financial

making capital budgeting decisions, portfolio theory and investment modeling, and financial derivatives. Prerequisite: FINC 300 Intermediate Financial Management.

FINC 475 Field Experience

1-6 hours

Supervised experiences in businesses, nonprofit organizations, and public agencies. Pass/No Pass.

FINC 485 Selected Topics in Finance

1-4 hours

Occasional special courses chosen to fit the interests and needs of students and faculty.

FINC 490 Seminar in Finance

3 hours

This seminar will focus on current issues and developments in the field of finance. Prerequisites: FINC 300 Intermediate Financial Management and senior standing.

FINC 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

FINP Course Descriptions

FINP 250 Personal Financial Planning for Professionals

3 hours

In this course, we will cover Topics 1 - 21 of the CFP Board Principal Knowledge Topics. Areas of focus will include: the financial planning process, the client/planner relationship, communication and counseling, personal financial statements, cash flow management and financing strategies, time value of money, economic concepts, financial institution regulation, consumer laws, and CFP Board's Code of Ethics, Rules of Conduct, Practice Standards and Disciplinary Procedures. Prerequisite: BUSN 120 Personal Finance

FINP 310 Insurance Planning and Risk Management

3 hours

In this course, we will cover Topics 22 - 32 of the CFP Board Principal Knowledge Topics. Areas of focus will include: principles of risk and insurance, risk exposure,

FINP 470 Retirement Planning

3 hours

In this course, we will cover Topics 52 - 62 of the CFP Board Principal Knowledge Topics. Areas of focus will include: retirement needs analysis, Social Security,

GEED Course Descriptions

GEED 130 First Year Seminar

1 hour

Members of the entire entering freshman class select a small seminar-style topical course for the first ten weeks of their first semester, meeting weekly with an advisor and a returning student peer advisor. Selected topics and issues introduce students comfortably to the academic and social life of the university community. Required of all first-time freshmen. Pass/Fail.

GEED 170 Freshman Honors Seminar

1 hour

Members of the entering freshman class who are invited to apply for honors at admission, and whose applications are accepted, take this seminar in the middle five weeks of fall semester. Students are introduced to the interdisciplinary pursuit of knowledge at the university level, examining a current public issue from a wide variety of disciplinary perspectives, using creative class activities and assignments. Students who earn an excellent rating are eligible to continue in the University Scholars program. Pass/No Pass. Prerequisite: admission as an incoming freshman to the University Scholars program.

GEED 271 Honors Colloquium

1 hour

Investigation of a variety of issues and subjects from a broad interdisciplinary perspective, through readings, discussions, creative activities, excursions, and written projects. Typically team-taught by faculty from different disciplines, over the course of a year the student uses the methods and frames of reference of nearly every discipline in the liberal arts curriculum to learn about several engaging topics. Class activities are designed to prepare students to do interdisciplinary University Scholars projects during their junior year. Pass/No Pass. Prerequisite: admission to the University Scholars program and at least sophomore status.

GEED 272 Honors Colloquium

1 hour

Investigation of a variety of issues and subjects from a broad interdisciplinary perspective, through readings, discussions, creative activities, excursions, and written projects. Typically team-taught by faculty from different disciplines, over the course of a year the student uses the methods and frames of reference of nearly every discipline in the liberal arts curriculum to learn about several engaging topics. Class activities are designed to prepare students to do interdisciplinary University Scholars projects during their junior year. Pass/No Pass. Prerequisite: GEED 271 Honors Colloquium I, admission to the University Scholars program, and at least sophomore status.

GEED 275 Field Experience

1-3 hours

and/or a departmental instructor overseeing, designing, and evaluating (n)-3 (in[t]-5 (ruct)-hsi]TJETQ 61

under the supervision of a senior peer mentor, publicly presents the project results, and submits the project to the undergraduate academic journal. Prerequisites: GEED 271 Honors Colloquium I, GEED 272 Honors Colloquium II, and permission of the USP director.

GEED 372 University Scholars Projects

1 hour

In conjunction with an upper-division course of the student's choosing, the student proposes a significant interdisciplinary research project. Once approved by the professor of the home course and the USP director, the student completes the project under the supervision of a senior peer mentor, publicly presents the project results, and submits the project to the undergraduate academic journal. Prerequisites: GEED 371 University Scholars Projects I, and permission of the USP director.

GEED 375 Cultural e375 GEMC Q P AMCIEpBT/TBT/7.999 (y)2enBT/ce.83 679.54 T

GEED 472 Undergraduate Academic Journal II

1 hour

Service on the editorial committee, or as a senior editor, of the Undergraduate Academic Journal. Pass/No Pass. Prerequisites: GEED 471 Undergraduate Undergraduate Academic Journal I and permission of the USP director.

GEED 475 Field Experience

1-3 hours

Supervised experience in the discipline including internships and practica required for professional programs. This advanced experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Pass/No Pass. Prerequisite: instructor's permission.

GEED 485 Selected Topics

1-3 hours

A variety of topics may be offered to meet the special needs and interests of students, faculty, or visiting professors.

GEED 490 Liberal Arts and Critical Issues

3 hours

An advanced liberal arts course integrating the varied strands of general education in a rich capstone integrative common experience. Students will be challenged to develop coherence in a Christian worldview, deepen their understanding of how we know truth about the world around us and our moral duty in it, practice taking an interdisciplinary approach to basic problems of human existence, and develop as potential Christ-like leaders in public issues. Specific topics to be explored vary from semester to semester.

GEED 495 Individualized study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

GSCI Course Descriptions

GSCI 130 Fundamentals Of Geology

3 hours

A systematic study of planet earth. The nature and origin of common minerals, rocks, and geologic structures. Topics will include geology of the earth's crust, plate tectonics, the geology of Oregon, ground water contamination, and geologic hazards such as volcanoes, earthquakes, erosion, landslides, and flooding. This course meets general education requirements and requires no previous knowledge of geology. Two lectures, one two-hour laboratory per week, and two day-long field trips.

GSCI 170 Science and Faith

4 hours

This lab science course introduces the empirical study of the natural world, and explores the ways in which the patterns and processes of creation reveal and reflect the nature of the Creator. Unit 1 (a) - 3 (i) (re) (e) - 3 (in) - 3 (tro) - 2 (d) 6 (u) - 3 (sttro) - 2 (d) (sli) 4 (m) -

HHPA Course Descriptions

HHPA 109 Ballroom Dancing

1 hour

Instruction in basic to intermediate steps and etiquette in ballroom dance including 6 count and 8 count swing, fox-trot, waltz, and tango.

HHPA 120 Lifelong Fitness

2 hours

Students in this course will learn to think critically about their personal health and wellness in the context of Christian commitment. They will learn scientific principles of aerobic conditioning and weight training. Popular lifetime fitness activities will be introduced. Special emphasis will be placed on developing and maintaining lifestyle habits that optimize well-being. (May not be repeated for credit.)

HHPA 145 Intercollegiate Athletics

1 hour

Credits may be earned by student athletes for participation in Intercollegiate Athletics while at George Fox University. The student athlete may earn one credit per sport per year for team participation for a maximum of 4 credits per sport up to a total of eight credits (for the multi-sport athlete) over the student athlete's career. For sports that overlap semesters (basketball, golf, swimming, tennis, etc.) student athletes can earn .5 credits per semester for a maximum of 4 credits per sport. Once past the add/drop date student athletes cannot petition to add the credit. Students receive Pass/No Pass for participation.

HHPA 185 Selected Topics

1 hour

A seminar dealing with various topics, as announced, that represent current faculty interests and competencies.

HHPA 285 Selected Topics

1 hour

A seminar dealing with various topics, as announced, that represent current faculty interests and competencies.

HHPA 345 Intercollegiate Athletics

1 hour

Credits may be earned by student athletes for participation in Intercollegiate Athletics while at George Fox University. The student athlete may earn one credit per sport per year for team participation for a maximum of 4 credits per sport up to a total of eight credits (for the multi-sport athlete) over the student athlete's career. For sports that overlap semesters (basketball, golf, swimming, tennis, etc.) student athletes can earn .5 credits per semester for a maximum of 4 credits per sport. Once past the add/drop date student athletes cannot petition to add the credit. Students receive Pass/No Pass for participation.

HHPA 385 Selected Topics

1 hour

A seminar dealing with various topics, as announced, that represent current faculty interests and competencies.

HHPA 485 Selected Topics

1 hour

A seminar dealing with various topics, as announced, that represent current faculty interests and competencies.

HHPA 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

HHPE Course Descriptions

HHPE 200 History and Principles of Physical Education

2 hours

A survey of the history and development of physical education and athletics in America. The course will also emphasize fundamental principles of physical education and sport.

HHPE 201 Fall Sports in Physical Education

2 hours

This course provides learning experiences that will lead to the development of basic skills in Physical Education activities and sports. In addition to skill acquisition, the course will focus on how to plan and implement the stages of skill development in games through the use of extending, refining, and applying tasks. An emphasis will be placed on the use of the game stages and movement framework as a guide for designing a variety of sport game experiences for students in grades K-12.

HHPE 202 Spring Sports in Physical Education

2 hours

This course provides learning experiences that will lead to the development of basic skills in Physical Education activities and sports. In addition to skill acquisition, the course will focus on how to plan and implement the stages of skill development in games through the use of extending, refining, and applying tasks. An emphasis will be placed on the use of the game stages and movement framework as a guide for designing a variety of sport game experiences for students in grades K-12.

HHPE 210 Introduction to Exercise Science

2 hours

The Introduction to Exercise Science course will help students gain an understanding of the underlying principles, theories, and scientific methods used in exercise science and kinesiology. Additionally, it will provide an overview of the anatomy and physiology of the musculoskeletal, cardiovascular, and respiratory system and how these systems are used during exercise. Finally, this course will help students identify career paths one may take as an exercise science major at George Fox University.

HHPE 228 Principles of Conditioning

2 hours

Instruction in concepts related to developing and maintaining physical fitness and movement skills.

HHPE 275 Field Experience

1-6 hours

Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Pass/No Pass. Prerequisite: instructor's permission.

HHPE 285 Selected Topics

2-3 hours

A seminar dealing with various topics, as announced, that represent current faculty interests and competencies.

HHPE 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

HHPE 300 Coaching Theory and Practice

2 hours

The development of a philosophy of coaching. Emphasizes the psychological, sociological, and technical aspects of athletic participation.

HHPE 301 Sports Psychology

2 hours

This course is designed to enhance the understanding of how personality, self-esteem, goal setting and behavior can influence performance and performance preparation. It is also designed to provide future teachers/coaches with coping skills and observational techniques which will serve them well in coaching as well as in managerial settings.

HHPE 360 Organization and Administration of Sport and Physical Education

2 hours

Instruction in the planning and implementation of health, physical education and athletics programs. Course content will include curriculum design, budget formation, facility design, and coordination. Professional conduct and ethics will be stressed.

HHPE 366 General Medical Conditions in Athletic Training

2 hours

Examines the knowledge, skills, and values that the entry-level certified athletic trainer must possess to recognize, treat, and refer, when appropriate, the general medical conditions and disabilities of athletes and others involved in physical activity. Students will be introduced and exposed to various health care providers.

HHPE 380 Experiential Recreational Leadership

3 hours

A study of theory and practice of experiential leadership in adventure and recreation education/programming. Leadership styles, techniques, methods, and practices will be the core subjects taught in this highly experiential class involving an outdoor lab component. Additional course fee required.

HHPE 384 Pharmacology in Athletic Training

1 hour

An emphasis on the knowledge, skills, and values required of an athletic trainer on pharmacologic applications, including indications, contraindications, precautions, interactions, and governing regulations relevant to the treatment of injuries and illnesses of the physically active. Prerequisites: BIOL 221 Human Anatomy and Physiology I and BIOL 222 Human Anatomy and Physiology II.

HHPE 390 Care and Prevention of Athletic Injuries

3 hours

An introductory survey of athletic training. Emphasis will be on terminology, injury prevention, evaluation, treatment, and emergency care procedures. Common taping techniques also will be presented. Additional course fee is required.

HHPE 394 Biomechanics

3 hours

Application of human anatomy and physical laws to the explanation of movement activities. Special emphasis is given to detailed analysis of various sports activities. Prerequisites: BIOL 221 Human Anatomy and Physiology I and BIOL 222 Human Anatomy and Physiology II.

HHPE 400 Health Promotion and Management

3 hours

Addresses practical applications of health promotion theories. Presents examples of planning, implementation, and evaluation of health promotion and management programs in a variety of settings as guides for the development of health promotion and disease prevention programs.

HHPE 401 Physical Examination of the Lower Extremities

4 hours

In-depth study of the lower extremities including skills of injury evaluation, physical examination and differential diagnosis. One 1-hour lab per week. Prerequisite: HHPE 390 Care and Prevention of Athletic Injuries.

HHPE 402 Physical Exam of the Spine and Upper Extremities

4 hours

In-depth study of the spine and upper extremities including skill development in injury evaluation, physical examination and differential diagnosis. One 1-hour lab per week. Prerequisite: HHPE 390 Care and Prevention of Athletic Injuries.

HHPE 404 Medical Terminology

3 hours

This course is intended to introduce students to the language of medicine and prepare them for future careers in the health sciences. Students will develop an understanding for recognizing, building, and applying medical terminology to the human body. A systems-

HHPE 475 HHP Field Experience

3-6 hours

3-6 hours. A supervised experience in the discipline, including internships and practica required for professional programs. This experience must have an on-site supervisor and a departmental instructor overseeing, designing and evaluating the content of the course. Pass/No Pass. Prerequisite: instructor's permission.

HHPE 480 Fundamentals of Exercise and Fitness Testing

2 hours

Emphasis is given to methods of evaluation in programs of physical education. Testing procedures, standard tests, physical examinations, and evaluation activities are discussed.

HHPE 485 Selected Topics

2-3 hours

A seminar dealing with various topics, as announced, that represent current faculty interests and competencies.

HHPE 490 Senior Research Project

3 hours

This course builds an understanding of the theories, methods and models used in Exercise Science research and provides the required knowledge regarding how to apply these research practices to develop a novel research question and design and implement a research study as part of their capstone project.

HHPE 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

HIST 250 Colonial Vestiges & Liberal Hopes: Latin America

3 hours

Latin American countries from colonial times to the present, with an emphasis on the conditions that have led to the crises of recent years.

HIST 285 Selected Topics

3 hours

Occasional special courses scheduled to fit the interests of students and faculty and the needs of a shifting society. A course in presidential elections is offered in presidential-election years.

HIST 290 Doing History and Politics

3 hours

This course examines research, writing, and presentation skills as well as diving deeper into the foundational approaches to knowledge in history and politics. In addition, this class will explore career preparation and opportunities open to students in these fields.

HIST 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

HIST 330 Myth & Reality in the American West

3 hours

Examines the relationship of the American West to the rest of the nation through its exploration, settlement, and development. Special attention is given to the Pacific Northwest and to the Native American experience.

HIST 331 England to 1688

3 hours

The growth of the English nation from Roman times to the Glorious Revolution, with special attention given to constitutional and religious development.

HIST 332 England from 1688

3 hours

England in the modern age, emphasizing the response of its institutions to its rapidly changing role in the European and world communities.

HIST 340 History of the Middle East

3 hours

Explores the political, economic, social, and religious developments in the Middle East from the ancient to the modern era, with emphasis on the latter period.

HIST 343 History of Southern Africa

3 hours

A study of the history of southern Africa from about 1500 to the present with particular attention to the native groups of the region, Dutch colonization and British imperialism, and relations between diverse ethnic groups in the last two centuries.

HIST 360 Modern Russia

3 hours

A study of 20th- and 21st-century Russia and other former Soviet republics, with emphasis on their current significance in the world and the factors in their history that brought the Revolution of 1917 and the collapse of the Soviet Union.

HIST 380 Race and Slavery in America

3 hours

Explores the development of race-based slavery in the American colonies, slavery and abolitionism in the nineteenth century, and Black resistance to racism and pursuit for racial justice.

HIST 393 Making History Matter: Introduction to Public History

3 hours

This course will introduce students to the various fields within public history, the ethical and methodological standards, and give students the opportunity to work on a public history project.

HIST 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. (Students must meet eligibility requirements.) Additional course fee is required.

HIST 401 Christianity: Ancient Rome to the Reformations

3 hours

The development of Christianity from its appearance within the Greco-Roman world through the period of the Reformations.

HIST 402 Christianity: 1600 to Present

3 hours

Christianity's development from the period of the Reformations through its global spread during the modern era, observing its historical context and relationship to the surrounding cultures.

HIST 410 All Roads Lead to Rome

3 hours

A survey of Republican and Imperial Rome from the 6th century BCE through the collapse of the Roman Empire in the West in the fifth century A.D. Political, economic, and social developments are stressed, including the rise of Christianity and the early church.

HIST 419 Castles & Cathedrals: Europe 1050-1300

3 hours

A survey of Europe and the Middle East in the High Middle Ages. Special attention is given to the important political, economic, and religious developments of this period.

HIST 422 Europe: 1890-Present

3 hours

Europe in the 20th and 21st centuries, with emphasis on the upheavals of the two world wars and the status of the European states today.

HIST 456 Classics of American History

3 hours

This course is a seminar that allows students to study some of the great works of American history. In addition to mastering the historical knowledge the books provide, students will develop an advanced understanding of both the social and political climate within which the books were written, and the historiographical traditions that informed the interpretations.

HIST 458 Tea & Taxes: America, 1754-1825

3 hours

Studies the world of the founders. Emphasis is placed on the ideological, social, and political milieu that gave birth to the American Revolution and Constitution. The course also considers the radical changes in American society the revolution set in motion.

HIST 459 The State(s) of the Union: America, 1825-1898

3 hours

Examines the causes of the Civil War. In addition, slavery, Christianity, the westward movement, the struggle for power in Congress, Abraham Lincoln, the rise of Northern industrialism, and Southern society are all studied in their own right and in relation to the conflict some historians call "the crossroads of our being."

HIST 475 Field Experience

2-10 hours

Supervised experiences in museums, historical societies, and government agencies. Pass/No Pass. Prerequisites: upper-division history majors, and by permission.

HLTH Course Descriptions

HLTH 210 Drug Education

2 hours

Issues concerned with the use, misuse, and abuse of selected pharmacological agents. Social, psychological, physical, and moral implications are considered. Particular consideration is given to ergogenic aids in athletics.

HLTH 223 Sociology of Families

3 hours

A study of marriage and the family from a sociological perspective, including historical, cross-cultural, and economic backgrounds. A Christian faith perspective will emphasize the worth of people, the importance of the family as a place of nurture, and the gift of marriage. (SOCI 223 and HLTH 223 are identical)

HLTH 230 First Aid and Safety

1 hour

Instruction in first aid and safety and leading to certification in first aid and cardiopulmonary resuscitation (CPR). Additional course fee is required.

HLTH 240 Stress Management

3 hours

A study of causes, symptoms, and results of stress. Introduces practical techniques to alleviate stress, promote relaxation, and encourage a healthy lifestyle.

HLTH 285 Selected Topics

1-3 hours

A seminar dealing with various topics as announced that represent current faculty interests and competencies.

HLTH 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

HLTH 300 Nutrition

3 hours

A study of nutrients present in food and their relation to the nutritive needs of the human body. Emphasis on the young adult, along with discussion of contemporary nutrition-related topics of national and global concern. Computer-assisted dietary analysis included.

HLTH 320 Contemporary Health Issues

3 hours

A study of our nation's current health problems and concerns. Emphasis on health consumerism and current trends, diseases, the sanctity of life, and fitness. Goal is to develop an educated view on current health issues.

HLTH 475 Field Experience

1-3 hours

HNRS Course Descriptions

HNRS 100 Introduction to the Great Books

2 hours

A Socratic seminar introducing some of the greatest works in Western political thought, literature, history, and religion, from ancient Greece to postmodern America.

HNRS 450 The Twentieth Century

6 hours

A Socratic seminar on great texts from the 20th century, with an emphasis on major intellectual and political movements of this century in the realms of philosophy, theology, literature, and social science. Areas of focus include totalitarianism, existentialism, feminism, postcolonialism, and Christian responses to postmodernity. Additional course fee required.

HNRS 490 Honors Thesis

INTD Course Descriptions

INTD 131 CADD I

3 hours

This course is an introduction to computer-aided design and drafting using Autodesk AutoCAD and Revit softwares. Students will learn digital drafting software effectively to create computer-generated plans for interior spaces while reviewing Life Safety, ANSI, ADA and regional building codes related to their projects. Also included in this course, students will learn digital rendering through programs like Enscape and Sketchup alongside drafting mark-up softwares like Bluebeam Revu. Additional course fee is required.

INTD 200 Interior Foundations

3 hours

This is the first studio in a sequential series of interior courses in which students apply their skills, knowledge and understanding of the design process to living environments. Emphasis is placed on the interrelationship of design elements and principles, spatial organization and sequencing, and conceptual problem solving in three-dimensional space. Open to all students. Additional course fee is required.

INTD 212 Materials, Resources, and Lighting

3 hours

Study of materials used in the built environment with emphasis on the interior. Students develop knowledge of material characteristic, selection, application, installation methods, and industry regulations. Lighting design plans will also be covered. Students produce product specifications following Master Specification standards. Additional course fee is required. Prerequisite: INTD 200 Interior Foundations.

INTD 220 Architectural Graphics

3 hours

This class studies how to represent design ideas to viewers - learning how to clearly communicate space, form, and human experience within the built environment. Students will further develop skills rendering perspective-based drawings, as well as honing presentation skills in both oral and graphic presentations. Additional course fee is required. Prerequisite: INTD 331 CADD II.

INTD 285 Selected Topics

3 hours

A variety of topics may be offered that reflect the interests of faculty, visiting professors, and students.

INTD 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

INTD 300 Space Planning and Programming

3 hours

This course builds on concepts and theories introduced in Interior Foundations and guides students through the complexities of the space planning process addressing both function and aesthetics. Students will complete a series of assignments increasing in size and difficulty designed to develop space planning skills. Additional course fee is required. Prerequisite: INTD 200 Interior Foundations.

INTD 311 Detailing Interiors

3 hours

This course will study methods and materials for interior construction. Students will create details and specify materials for interior components, including walls, floors, ceilings, glazing, millwork and cabinetry. Additional course fee is required. Prerequisites: INTD 300 Space Planning and Programming and INTD 331 CADD II.

INTD 320 Informed Interior: Systems and Codes

3 hours

This course examines the construction systems, codes and regulations for the built

INTD 412 Commercial Design Studio

3 hours

INTL Course Descriptions

INTL 200 Cultural Geography and Global Relations

3 hours

A study of the world's cultural regions developed through the t

INTL 330 Politics of the Developing World

3 hours

This course covers the main issues faced by developing countries in Africa, the Middle East, Latin America, and Asia. Special attention is given to economic development and the impact of globalization on these nations. (PSCI 330 and INTL 330 are identical courses)

INTL 375 Cultural Immersion

8 hours

Supervised experiences in a non-American culture.

JOUR Course Descriptions

JOUR 200 Persuasive Communication

3 hours

A presentation of key principles of persuasion as they are reflected in typical organizational communication contexts. Focus on developing a planning sequence that will function as a practical guide for designing, executing, and evaluating communication events. Students will be expected to develop a "real world" communication event, e.g., publicity campaign, speech, newsletter. Prerequisite: COMM 111 Communication in Society or equivalent.

JOUR 210 Practical Grammar and Editing

3 hours

This course helps those who want to understand and to be able to explain to others what can be done to make writing correct, clear, and precise. Focuses on constructing, editing, and correcting sentences and paragraphs. This is not a remedial course.

JOUR 230 Introduction to Journalism

3 hours

A course designed to provide fundamental knowledge and experience in reporting, writing, and editing news for the print media. Prerequisite: WRIT 111 Caring for Words, enrollment in the Honors Program, or instructor permission.

JOUR 240 Introduction to Public Relations

3 hours

A course designed to introduce and develop a clear concept of public relations as a communication profession. Topics to be covered include the function of public relations in both public and private enterprises; the process of planning and implementing a public relations communication campaign; techniques for communicating with various publics; and the laws and ethics

JOUR 310 Professional Writing

3 hours

This course explores trends in media convergence, focusing as well on the ways reporters, editors, and designers create stories for the web. Particular emphasis will be on web-based story design, the coordination of text and art, and the creation of stories for a variety of new media outlets. Prerequisite: WRIT 111 Caring for Words, enrollment in the Honors Program, or instructor permission.

JOUR 330 Magazine and Feature Writing

3 hours

A workshop approach to writing feature articles and other shorter nonfiction forms for periodicals. Student-produced material is submitted to various publications as part of course expectations. Prerequisite: WRIT 111 Caring for Words, enrollment in the Honors Program, or instructor permission.

JOUR 470 Journalism II

3 hours

Students hone journalistic skills in areas such as interviewing techniques, cultivating sources, investigative reporting, and editing and layout. Prerequisite: JOUR/WRIT 230 Introduction to Journalism or instructor's permission.

JOUR 475 Field Experience

1-3 hours

Experience in supervised field situations, generally off campus, involving extensive communication activity. Admission to course and amount of credit determined by the faculty supervisor. Pass/No Pass.

JOUR 480 Senior Capstone: Ethical and Spiritual Dimensions of Communication

3 hours

Designed to integrate skills and concepts from communication course work with ethical and spiritual principles through readings, written assignments, and assessment instruments. Students will complete portfolios that will include work samples and department exit exams along with a sta

LANG Course Descriptions

LANG 110 Latin I

3 hours

This course is offered through the High School Concurrent Enrollment Program. Course descriptions are determined by the teaching High School.

LANG 120 Latin II

3 hours

This course is offered through the High School Concurrent Enrollment Program. Course descriptions are determined by the teaching High School.

LANG 150 Latin

4 hours

Focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Caesar's Gallic War. Students cultivate their understanding of classics through preparing and translating readings and considering themes in the context of ancient literature as they explore concepts like literary techniques, Roman values, war and empire, leadership, views of non-Romans, history and memory, and human beings and the gods. This course is offered through High

LANG 343 Second Language Acquisition

3 hours

This course familiarizes students with linguistic, psychological, cognitive, and socio-cultural aspects of second (or additional) language acquisition and related language acquisition theories. Students reflect on their own language learning and acquisition experiences in light of these theories and consider implications for the teaching and learning of additional languages. Offered every other year.

LANG 350 Issues in Second Language Acquisition

3 hours

An introduction to the theory and practice of teaching English (or any language) to non-native speakers. Topics include principles of language teaching, communicative and interactive approaches, teaching methods and techniques for improving different language skills, lesson planning, materials selection and adaptation, testing, cultural issues, teaching English as Christian witness, and working with English-as-a-second-language students in a mainstream class. Students relate theory to practice in a school- or community-based practicum.

LANG 475 Field Experience

1-12 hours

Experience in supervised field situations, generally off campus, involving extensive communication activity. Admission to course and amount of credit determined by the faculty supervisor. Pass/No Pass.

LANG 485 Selecteuage studagxp hours

LEAD 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

LEAD 360 Student Leader Development I

1 hour

Provides a common core of leadership knowledge and skill for students in formal roles and programs on campus (i. e. student government, spiritual life, Act VI scholars, residence life). Focus on the development of effective and innovative leaders through self-understanding, skill development, relational competence and service. Possible topics include community building and group dynamics, emergency response, identifying individual strengths, diversity, decision-making, dealing with conflict and setting leadership priorities. Pass/No Pass.

LEAD 370 Student Leader Development II

1 hour

Provides a common core of leadership knowledge and skill for students in formal roles and programs on campus (i. e. student government, spiritual life, Act VI scholars, residence life). Focus on the development of effective and innovative leaders through self-understanding, skill development, relational competence and service. Possible topics include community building and group dynamics, emergency response, identifying individual strengths, diversity, decision-making, dealing with conflict and setting leadership priorities. Fall Semester. Pass/No Pass. Prerequisite: LEAD 360

include leading a church youth group, directing a social-concern project, managing the campus radio station, or serving as a member of student government. Pass/No Pass.

LEAD 485 Selected Topics

1-3 hours

An advanced seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty. Pass/No Pass.

LEAD 491 Leadership Seminar I

1 hour

Integrative seminar linking leadership practicum, course work, and readings. Topics

LITR Course Descriptions

LITR 100 Introduction to Literature

3 hours

Explores the major genres, themes, and elements of literature. This course is offered through High School Concurrent Enrollment Early College Program.

LITR 111 Faith and Story

3 hours

How do stories redeem the past and shape the future? What stories might make sense of your past and shape your future? "Faith and Story" introduces students to literature as a method of human inquiry, with particular attention to the importance of carefully reading texts from multiple genres, periods, cultures and voices, examining narrative and form through a Christian lens, and cultivating the virtues of imagination and empathy. Topics and texts vary by section.

LITR 200 Studies in Literature

3 hours

Introduces important concepts in the study of literature. Students will learn techniques in close reading, and will read, discuss, and produce written analyses of a variety of literary texts in order to better understand historical, political, cultural, and formalistic aspects of literary works.

LITR 220 Great American Writers

3 hours

LITR 242 World Literature II

3 hours

Considers works written in Africa, the Middle East, Asia, Oceania, Europe, and the Americas during the medieval and early modern periods. Students examine culturally

LITR 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

LITR 335 Advanced Studies in American Literature

3 hours

An advanced study of selected authors and topics in American Literature. May be repeated with permission of instructor. Prerequisite: Students must have completed any two of the following literature sequence courses: LITR 241, LITR 242, LITR 356, LITR 357, LITR 381, LITR 382.

LITR 350 Literary Criticism

3 hours

Introduces students to various schools of literary criticism. Students will practice using different critical approaches to writing about literature. Recommended for juniors and seniors. Prerequisites: WRIT 200 Understanding Literature and 6 hours of literature courses or instructor's permission.

LITR 356 American Literature I

3 hours

A selective look at early American literature, from 1607 to 1890. Examines themes, movements, and writers who influenced and were influenced by the growth of the nation. Prerequisite: LITR 111 Faith and Story, any 100 or 200 level LITR course or equivalent, enrollment in the Honors Program, or instructor permission.

LITR 357 American Literature II

3 hours

A selective look at the literature of the United States, from 1890 to the present. Particular attention is given to the masterworks of Naturalism and Modernism, especially to those that have proven influential in contemporary literature. Prerequisite: LITR 111 Faith and Story, any 100 or 200 level LITR course or equivalent, enrollment in the Honors Program, or instructor permission.

LITR 365 Advanced Studies in British Literature

3 hours

An advanced study of selected authors and topics in British Literature. May be repeated with permission of instructor. Prerequisite: Students must have completed any two of the following literature sequence courses: LITR 241, LITR 242, LITR 356, LITR 357, LITR 381, LITR 382.

LITR 379 Shakespeare

3 hours

A consideration of the life and works of the poet/playwright and the sociopolitical history of the Renaissance. The course examines the sonnets and a selection of the plays from each genre: comedy, tragedy, history, and tragicomedy. Prerequisites: LITR 111 Faith and Story, any 100 or 200 level LITR course or equivalent, enrollment in the Honors Program, or instructor permission.

LITR 380 Gender Theory

3 hours

This course is designed expose students to the ways that gender theory, including feminism, womanism, anti-sexism, and masculinism, has developed over the years, and how that theory is applied to literature.

LITR 381 British Literature I

3 hours

A selective look at the literature of the British Isles, from the earliest texts through 1660. Particular attention is given to the Anglo-Saxon, Medieval, and Renaissance periods.

LITR 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

MAND Course Descriptions

MATH Course Descriptions

MATH 095 Math Skills

1-3 hours

Individually designed mathematical training to meet the needs and goals of any individual student. The extent of this training will be determined through a testing process. Topics covered include basic math, elementary algebra, and intermediate algebra. This course does not fulfill general education requirements. This course is pre-college level and carries no credit toward degree requirements.

MATH 201 Calculus I

4 hours

The class is a study of limits limits of functions, applications of derivatives, and an introduction to integration. Prerequisite: MATH 190 Precalculus Mathematics or equivalent.

MATH 202 Calculus II

4 hours

A study of differential and integral calculus for functions of one variable. Additional topics include polar coordinates, infinite series, and parametric equations. Prerequisite: MATH 201 Calculus I.

hypothesis testing, linear regression and correlation. Prerequisite: MATH 202 Calculus II or equivalent.

MATH 331 Mathematical Probability and Statistics

3 hours

A study of sample spaces, combinatorial methods, discrete and continuous distributions, moment-generating functions, the central limit theorem, and connecting these to statistical methods (estimators, confidence intervals, tests of statistical hypotheses, and correlation analyses). Prerequisites: MATH 290 Introduction to Proofs and MATH 330 Applied Statistics.

MATH 332 Mathematical Statistics

3 hours

A study of statistical methods - including estimators, confidence intervals, tests of statistical hypotheses, and correlation analyses - from a theoretical point of view, including applications. Prerequisite: MATH 331 Mathematical Probability and Statistics.

MATH 340 Number Theory

3 hours

An introduction to the basic properties of whole numbers, including such topics as

MGMT Course Descriptions

MGMT 200 Leadership and Character

3 hours

This course is focused on the character of leadership. Opportunities to understand

comprised of internal and external resources which are often distributed geographically, students will become knowledgeable and skillful at recognizing and overcoming the challenges of leading distributed teams. In short, this course will provide a sense of confidence with planning and oversight throughout all phases of a project's life cycle.

MGMT 350 Human Resource Management

3 hours

This course explores the role and function of HR Management in organizations. Focus for the course will surround human resource management, compliance, selection, compensation, etc. Prerequisites: MGMT 260 Principles of Management

MGMT 400 Business Development and Sales

3 hours

In this class, the emphasis is placed on the integration and relationships of sales in the various areas of business and our everyday relationships. Students learn how to recognize the influence of sales and engage in the sales process. The process, procedures, and best practices of business to business sales will be taught in order to empower students to successfully sell throughout their career, regardless of their chosen career path. Particular emphasis will be placed upon the integration of Christian faith, practice, and ethics in sales. Focus will also be placed upon building and stewarding healthy relationships in regard to sales. This course will explore where and why sales permeate business, how to engage and practice the sales cycle, and how to have a successful career in business to business sales through the utilization of best practices and Christian faith.

MGMT 450 Operations Management

3 hours

This course examines the basic principles of managing the production and distribution of goods and services. The course provides frameworks and tools to target and implement improvements in business processes. Prerequisites: MGMT 260 Principles of Management and college level statistics course 200 level or higher. Students who've taken PSYC 240 or SOCI 340 must also complete MATH 150 or higher, or have a SAT math score of 620 or higher or have an ACT score of 28 or higher.

MGMT 475 Field Experience

1-6 hours

Supervised experiences in businesses, nonprofit organizations, and public agencies.

MGMT 480 Organizational

3 hours

This course examines the complex and dynamic interactions of people and organizations in society. Particular focus will be on organizational theory, human perception, motivation, group dynamics, power, conflict, culture, leadership, organizational development, and managing change. Prerequisite: MGMT 260 Principles of Management.

MGMT 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student

MKTG Course Descriptions

MKTG 260 Principles of Marketing

3 hours

Study of the marketing concept, consumer demand and behavior, and marketing functions of the firm. The objective is to understand the development of marketing channels, products, prices, and promotion strategies. Prerequisite or Co-requisite of BUSN 110 Introduction to Business

MKTG 275 Field Experience

1-3 hours

Supervised experiences in marketing, businesses, nonprofit organizations and public agencies. Pass/No Pass.

MKTG 285 Selected Topics

1 hour

Occasional special courses chosen to fit the interests and needs of students and faculty.

MKTG 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

MKTG 300 Consumer Behavior: Know Your Customer

3 hours

We will take a look at how customers shop, buy and use products and services to satisfy their needs and wants. This class highlights physiological and psychological content that promotes consumer behavior understanding, such as perception, learning, language, internal and external motivations, emotions. Creating personas is an outcome of consumer behavior knowledge, allowing you to instinctively know your customer and create personalized marketing campaigns that hit the target each time. Prerequisite: MKTG 260 Principles of Marketing.

MKTG 340 Global Marketing

3 hours

This course will expose the student to marketing strategies and activities that enable organizations to be competitive in the global economy and market. This course will enable the student to understand how to target global markets and how to manage

needs, formulating research questions, designing the appropriate methodologies, collecting and analyzing qualitative and quantitative data, and reporting the findings.

MKTG 490 Strategic Marketing: Formulating Concrete Results

3 hours

We will bring together all of what has been learned in earlier marketing courses and introduce marketing decision making and planning frameworks. With a global perspective and supporting case studies, we use practical application to create innovative market-needed strategies, analyze situations, identify differentiation and positioning, evaluate the competition, and learn how to take a broad view of every function involved in building a strong business that will succeed in the market. The goal for this course is to help you become a strategic marketer, giving you the tools you need to create, build support for and execute marketing plans that will build strong and sustainable businesses. Prerequisites: MKTG 300 Consumer Behavior, MKTG 420 Marketing Communications and senior standing.

MKTG 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

MUSA Course Descriptions

MUSA 105BR Applied Brass

.5-1 hours

Instruction on trumpet, French horn, trombone, baritone, and tuba. Technical studies include tone production, scales, and arpeggios with various articulation. Works from the standard solo and orchestral repertoire are studied. Additional course fee is required.

MUSA 105GT Applied Guitar

.5-1 hours

Study of playing techniques, with emphasis on chordal knowledge and basic strums. Solos and ensemble pieces will be included for each student at his or her performance level. Additional course fee is required.

MUSA 105I Elective or Secondary Instrumental Lesson

.5-1 hours

Private study on any instrument, including piano, brass, strings, woodwinds, percussion, and guitar. Classical, jazz, pop, and other genres can be studied, at the discretion of the teacher and student. May count towards degree requirements for some music majors and minor, if taken on a secondary instrument. Additional fee applies.

MUSA 105JZ Applied Jazz

.5-1 hours

A study of improvisational methods through task-oriented performance of selected jazz repertoire. The goal of this class is to introduce concepts and practice methods used by jazz artists to gain improvisation skills and to apply them to your own practice and performance over selected jazz repertoire. Additional course fee is required.

MUSA 105OR Applied Organ

.5-1 hours

Basic study of pedal and manual techniques. Standard works from the Baroque, Classic, Romantic, and Modern periods. Additional course fee is required.

MUSA 105PN Applied Piano

.5-1 hours

Technical exercises, scales, and arpeggios in various rhythms; études of varying difficulty, such as those by Duvernoy, Burgmuller, Heller, Czerny, and Clementi. Repertoire from the historical periods are studied, including selected contemporary composers. A select group of concerti are also studied. Additional course fee is required.

MUSA 105PR Applied Percussion

.5-1 hours

Instruction on snare drum, tympani, the mallet instruments, and drum set. An in-depth study of all the percussion instruments used in the wind ensemble and orchestra. Additional course fee is required.

MUSA 105ST Applied Strings

.5-1 hours

Instruction on violin, viola, cello, and string bass. Basic fundamentals, posture, bow, and arm techniques, shifting, and vibrato. Included are scale and arpeggio studies and works from the standard solo and orchestral repertoire. Additional course fee is required.

MUSA 105V Elective or Secondary Vocal Lesson

.5-1 hours

Applied study of voice in a one-on-one private lesson format. Classical, jazz, pop, and other genres can be studied, at the discretion of the teacher and student. May count towards degree requirements for some music majors and minor, if taken as a secondary area. Additional fee applies.

MUSA 105WW Applied Woodwinds

.5-1 hours

Instruction on flute, clarinet, oboe, saxophone, and bassoon. Tone production, scales, and arpeggios in various articulations. Includes technical studies and works from the standard solo and orchestral repertoire. Additional course fee is required.

MUSA 115 Master Chorus

0-1 Hour

Master chorus is composed of members of the community and open to all university students, faculty, staff, and alumni singers. This chorus performs

MUSA 135A Chamber Singers

0-1 hours

This small ensemble sings flexible repertoire ranging from Renaissance madrigals and motets through contemporary a cappella and vocal jazz settings. Prerequisite: audition and concurrent enrollment in Concert Choir or Chorale.

MUSA 135B Chorale

0-2 hours

A chorus of men's and/or women's voices using a variety of sacred and secular literature that is appropriate to members' skill level. Students learn proper tone production and sight-reading skills and experience rehearsal techniques that will prepare them for Concert Choir and/or singing beyond graduation. Prerequisite: instructor's permission at the beginning of each semester.

MUSA 135H Handbell Ringers

0-1 hours

This musical ensemble shares its music with community agencies, churches, and university audiences. Limited to 11 ringers. Prerequisite: audition/interview.

MUSA 135J Vocal Jazz Ensemble

0-1 hours

A vocal ensemble and rhythm section specializing in the preparation, study, and performance of vocal jazz. Performances are usually for university events and some off-campus concerts. Vocalists will learn to improvise and sing with style and tone appropriate to the idiom. Rhythm section players will learn how to effectively accompany, improvise, and play as a trio. Prerequisite: audition, instructor's permission, and concurrently enrolled in major ensembles.

MUSA 145B Symphonic Band

0-2 hours

The Symphonic Band is open to students of all majors, and presents multiple concerts a semester. Traditional band pieces, chamber wind music, modern wind ensemble music, and pops are all included in the ensemble's diverse repertoire.

MUSA 145D Drumline & Percussion Ensemble

0-1 hours

This ensemble will rehearse in a variety of formats, including drumline, mallet ensemble, and percussion ensemble, depending on the interest and needs of students. Student leaders will assist in running the Drumline and supporting Football games and other campus events. Open to students of all majors.

MUSA 145J Jazz Ensemble

0-1 hours

The Jazz Ensemble is open to students of all majors and performs a variety of jazz and contemporary styles. Performances are usually for school events and some off-campus concerts. Corequisite: members who are music majors must also be enrolled in the Symphonic Band.

MUSA 145K Keyboard Ensemble

0-1 hours

Open to any piano student, regardless of major. The repertoire includes all styles,

MUSA 305PN Applied Piano

.5-1 hours

Technical exercises, scales, and arpeggios in various rhythms; Études of varying difficulty, such as those by Duvernoy, Burgmuller, Heller, Czerny, and Clementi. Repertoire from the historical periods are studied, including selected contemporary composers. A select group of concerti are also studied. Additional course fee is required.

MUSA 305PR Applied Percussion

.5-1 hours

Instruction on snare drum, tympani, the mallet instruments, and drum set. An in-depth study of all the percussion instruments used in the wind ensemble and orchestra. Additional course fee is required.

MUSA 305ST Applied Strings

.5-1 hours

prepare and present scenes from complete works of traditional and contemporary operatic literature culminates in a semi-staged public performance.

MUSA 325T Music Theatre

.5-1 hours

Membership is open to all students interested in the production aspects of theatre. This organization offers one major presentation each spring. Works and c.

MUSA 345D Drumline & Percussion Ensemble

0-1 hours

This ensemble will rehearse in a variety of formats, including drumline, mallet ensemble, and percussion ensemble, depending on the interest and needs of students. Student leaders will assist in running the Drumline and supporting Football games and other campus events. Open to students of all majors.

MUSA 345J Jazz Ensemble

0-1 hours

The Jazz Ensemble is open to students of all majors and performs a variety of jazz and contemporary styles. Performances are usually for school events and some off-campus concerts. Corequisite: members who are music majors must also be enrolled in the Symphonic Band.

MUSA 345K Keyboard Ensemble

0-1 hours

Open to any piano student, regardless of major. The repertoire includes all styles, with emphasis on pieces composed for multiple keyboards. Participants share in performance opportunities. For music majors who are not vocal students or do not play band or orchestral instruments, the course will satisfy the "major ensemble" requirement. Prerequisite: audition or instructor's permission.

MUSA 355 Symphony Orchestra

0-2 hours

The symphony orchestra performs music by the master composers of the Baroque, Classical, Romantic, and Modern eras. Concertos featuring student soloists are part of the annual repertoire. Community and faculty musicians combine with university students to form this ensemble. Performances include fall and spring concerts, and include collaborative concerts with university choirs. Strings have an additional rehearsal, indicated as the "orchestra lab".

MUSA 365 Chamber Music

0-1 hours

A variety of small chamber groups organized to meet the interests of instrumental and vocal music students who desire to perform literature for the chamber ensemble. Small chamber groups will be organized by experience and performance ability. Combinations can include, but are not limited to: string quartet, brass quartet, woodwind quintet, percussion ensemble, and piano trio.

MUSA 365W Worship Ensemble

0-2 hours

An ensemble to give students practical experience in how to prepare and lead worship in various settings. Students will practice different styles of worship music and other components used in Christian worship services, and will actively lead worship in Chapel and other services. A diverse approach to worship music will be presented.

MUSA 405I Applied Instrumental Lesson & Studio

.5-1 hours

Applied lessons for music majors and minors. Private study on any instruments, including piano, brass, woodwinds, percussion and guitar. Classical, jazz, pop, and other genres are studied, at the discretion of the teacher and student. Studio Class

participation, individual lessons, Students in Recital performances and attendance, juries, and concert attendance are all required as a part of this course. Additional fee applies.

MUSA 405V Applied Vocal Lesson & Studio

.5-1 hours

Applied lessons for music majors and minors. Study of proper voice production, with emphasis on posture, breathing, and resonance. Repertoires of classical, contemporary, and musical theater traditions are encountered, at the discretion of the teacher and student. Studio Class participation, individual lessons, Students in R3 (cipa)4 (tio)6 (n)dTf

MUSI Course Descriptions

MUSI 100 Music Fundamentals

2 hours

This course provides a fundamental understanding of music by considering the basics of musical construction, with examples drawn from the history of music. A study of musical notation, interval recognition, elements of pitch and rhythm, scale and chord construction, essential concepts in harmony, and basic musical forms. The student will be able to experience these fundamental concepts at the piano. No musical or keyboard experience is necessary. This is a general education course for non-music majors.

MUSI 121 Theory I

3 hours

A course designed to help the student systematically acquire basic information and interrelated skills that will be of value in future musical endeavors as performer, teacher, or composer, in all genres of music. Students will study music notation, interval recognition, elements of pitch and rhythm, scale and chord construction and beginning concepts in harmony. Corequisite: MUSI 131 Sight Singing and Ear Training I.

MUSI 122 Theory II

3 hours

This course is a continuation of Theory 1. Students will use the skills acquired in Theory I to begin writing and analyzing original music alongside existing music in all styles. Four-part writing and original compositions, alongside theoretical and formal analysis, will become part of the student's skill set throughout this course. Corequisite: MUSI 132 Sight Singing and Ear Training II. Prerequisite: MUSI 121 Theory I.

MUSI 125 Voice Class

1 hour

May be repeated for credit. This course is intended to improve and strengthen the voice as a solo instrument. The ability to read music is helpful although not necessary. Attendance and class participation coupled with a minimum of four 15- to 30-minute individual practice sessions each week will enable consistent growth and increased strength. Students will sing individually to the group using exercises and songs worked on in class. The group format and class size provide an excellent built-in performance opportunity.

MUSI 130 Music in World Cultures

2 hours

An introductory thematic study of the roles of music in a variety of world cultures, with emphasis on listening to, viewing, and understanding a broad selection of musical styles mostly outside the Western classical tradition.

MUSI 131 Sight Singing and Ear Training I

1 hour

A lab experience designed to develop proficiency in singing prepared melodies, melodies at sight, rhythmic patterns, and in taking basic melodic dictation. Corequisite: MUSI 121 Theory I.

MUSI 132 Sight Singing and Ear Training II

1 hour

A lab experience designed to develop proficiency in singing prepared melodies, melodies at sight, rhythmic patterns, and in taking basic melodic dictation. Corequisite: MUSI 122 Theory II.

MUSI 135 Class Piano

1 hour

May be repeated for credit. Open to majors and non-majors. This class will include Elementary- to intermediate-level class instruction in piano. This class is open to any student regardless of previous experience and does not require an additional course fee. Students working to complete the required piano proficiency skills may choose to study applied piano.

MUSI 150 Keyboard Accompaniment

1 hour

This course provides "on-the-job" training and special assignments for students who are pursuing keyboard skills (jazz, pop, and contemporary) and special assignments for students who are pursuing keyboard skills (jazz, pop, and contemporary) accompanying. A wide range of repertoire is studied, from accompanying classical solo artists to accompanying choirs (both classical and gospel), small ensembles, and congregational singing.

MUSI 180 Introduction to Music Tec

MUSI 210 Keyboard Lit

2 hours

Through a variety of keyboard music (harpsichord, piano, organ, and synthesizer), students will acquire an understanding of diverse keyboard approaches from the Baroque through contemporary styles. Recommended for those especially interested in keyboard music.

MUSI 221 Theory III

4 hours

A continuation of Theory II. Includes chromatic harmonies, remote modulations, 20th-century compositional developments, and a detailed study of the structural and formal components of music. Creative work is required. Prerequisite: MUSI 122 Theory II.

MUSI 225 Composition

1 hour

Individual lessons in composition. Initial inquiry into organization of sound resources, developing techniques for working with musical materials, and composition in small forms. May be repeated for credit. Prerequisites: MUSI 122 Theory II and MUSI 132 Sight Singing and Ear Training II, or instructor's permission.

MUSI 233 Songwriting and Producing

3 hours

Students will learn basic techniques of songwriting, including lyrics and song structure. Students will write their own songs, which they will then produce and record. Prerequisite: CINE 243 Introduction to Audio or MUSI 180 Introduction to Music Technology or THEA 130 Stagecraft or by instructor's permission.

MUSI 240 Body Mapping and Movement for Mu

MUSI 275 Field Experience

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music literature emphasizing the change in musical styles during the different historical periods. Prerequisite: MUSI 311 Music History I.

MUSI 320 Form And Analysis

2 hours

Detailed study of the structural components of music, including the motive, phrase, and period. Application to principal contrapuntal and homophonic forms of the Classic, Romantic, and Modern periods. Prerequisites: MUSI 221 Theory III and MUSI 222 Theory IV.

MUSI 330 Music In World Cultures

3 hours

An introductory study of the music of a variety of world cultures, with emphasis on listening to, viewing, and understanding a broad selection of classical and folk musical styles from outside the Western classical tradition. In addition, concepts related to ethnodoxology, the study of music within the global Church, will be explored.

MUSI 340 Creating, Planning, and Leading Worship

3 hours

The purpose of this course is to teach students how to plan, prepare and execute worship in various settings. Students will be exposed to different styles of worship services and different components and ordinances used in Christian worship services. We will also explore different technologies used in planning and leading worship. An internship or service project is included as a requirement of this course.

MUSI 350 Music Theatre Performance

3 hours

An introduction to the acting, dance, and vocal techniques required for music theatre performance. Through in-depth scene study, vocal training, dance, and in-class performances, the student will be introduced to the various artistic challenges inherent in music theatre since its inception. This course requires additional outside-of-class time for rehearsals and performance of selected material. Additional course fee is required. (MUSI 350 and THEA 350 are identical courses.) Prerequisites: THEA 100 Acting I: Fundamentals and MUSA 105 VC Applied Voice or MUSI 125T Music Theatre or MUSI 325T Music Theatre.

MUSI 380 Keyboard Improvisation and Service Playing

2 hours

A practical course for pianists and organists seeking to discover creative approaches in programming and leading the congregation in inspirational worship and celebration.

MUSI 400 Music and Christian Faith

3 hours

A Capstone music course designed to explore the integration of music and the Christian faith, including a study of worship & historical approaches to musical worship. In this class students will also research and define their vocational and/or m3 (ia4 (e)-3 t5ery-3 ()8 (thn&)-3

MUSI 410 Elementary Music Methods

3 hours

Students will be introduced to the foundations of elementary music education including the National Standards and current teaching methodologies. Student observation and participation will provide the basis of an understanding of teaching music at the elementary level. Prerequisites: MUSI 121 Theory I and MUSI 122 Theory II.

MUSI 411 Middle Level and High School Music Methods

3 hours

Students will investigate the many special teaching demands of music education at the secondary level. Vocal and instrumental music ensembles will be studied to determine the special requirements of these performance groups. Music courses at the secondary level will be examined to determine their individual teaching methodologies. Prerequisites: MUSI 121 Theory I and MUSI 122 Theory II.

MUSI 425 Composition

1.5 hours

Individual lessons in composition. Continuing work in composition including (but not limited to) composition in larger forms, digital media, multi-movement forms, exploration of style resources. Prerequisites: MUSI 225 Composition I and admission to upper-division study, or instructor's permission.

MUSI 430 Instrumentation and Orchestration

2 hours

A study of the instruments of the orchestra and band, including their ranges,

MUSI 481 Degree Reciprocity () 3.996 (R) 4.003 (eci)-2.001(03 () 3.996 (ali)-2/001(03 (P) 8

NURS Course Descriptions

NURS 220 Nutrition Essentials

3 hours

This introductory course provides an overview of the fundamental concepts of human nutrition. Subject matter includes descriptions, functions, and sources of nutrients, digestion and absorption, and effects of deficiencies and toxicities. Wellness-based concepts such as dietary guidelines, energy balance and weight control, and the role of nutrition in health and disease are also explored. Prerequisite: BIOL 221 Human Anatomy and Physiology I.

NURS 275 Field Experience

1-3 hours

Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Prerequisite: instructor's permission.

NURS 285 Selected Topics

1-3 hours

An introductory seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty.

NURS 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

NURS 302 Nursing Care of Adults with Complex Conditions

7 hours

This course presents clinical decision-making and clinical judgment strategies for the care of adults with acute and complex conditions. Building on NURS 301: Nursing Care of Adults with Acute Conditions, the nursing process is used to analyze and intervene in alterations to the health of the individual and family. The clinical practicum provides an opportunity to work with clients in the acute care and complex settings such as the emergency department, intermediate care, and critical care settings. Additional course fee is required. Prerequisite: NURS 301 Nursing Care of Adults with Acute Conditions.

NURS 311 Pathophysiology

3 hours

This course focuses on conceptual understanding of pathophysiology and associated clinical manifestations of disease, with an emphasis on effective and ineffective adaptation to internal and external environments. This course will explore alterations to the human body at cellular, organ, and systemic levels within the framework of concepts of health and illness. Discussions and applied materials will be directed primarily toward nursing students but may also be useful to others wishing to explore healthcare-

related fields. Prerequisites: Semester I standing in the Nursing Program or instructor permission for non

NURS 360 Evidence-based Nursing Practice

3 hours

This course is designed to teach evidence-based practice (EBP) skills facilitating continuous quality improvement in nursing practice. Focus is placed on the cyclical

vulnerable populations, and the nurse's role in responding to and creating healthy workplace environments. Prerequisite: Semester III standing in the Nursing Program.

NURS 411 Mental Health Nursing

5 hours

Exploration of psychiatric nursing principles of mental health promotion and illness prevention; of evidence-based treatment modalities; of hospital and community treatment options; and of nursing principles applied to specific psychiatric clinical disorders. Additional course fee is required. Prerequisites: Senior status and NURS 302 Nursing Care of Adults with Complex Conditions.

NURS 421 Nursing Care of the Childbearing Family

5 hours

This course builds on the concepts of previous nursing courses with emphasis on utilizing the Nursing Process in dealing with women's health focusing on the childbearing years, antepartum, intrapartum, postpartum, and the health of newborns. Students will explore the concepts of health promotion, disease prevention, and alterations in health related to women in these phases and the newborn infant. Emphasis is on the whole person care of the client and the family. Management and planning of the Nursing Process will include concepts from a variety of culturally diverse settings to include nursing in the community. Additional course fee is required. Prerequisite: NURS 302 Nursing Care of Adults with Complex Conditions or by permission of instructor.

NURS 430 Population Health Nursing

6 hours

factors on nursing practice will be examined. Prerequisite: Semester IV standing in the Nursing Program.

NURS 452 Gerontological Nursing

2 hours

Exploration of the field of nursing that focuses on care of the older adult with chronic conditions. Includes unique healthcare needs of seniors, nursing approaches to managing these needs, ethical and legal issues that impact senior care, and exploration of the richness and wisdom of life experience shared by these members of society and families. Prerequisite: Senior standing in nursing program or by instructor permission.

NURS 475 Field Experience

1-6 hours

Supervised experience in the discipline including internships and practica required for professional programs. This advanced experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Pass/No Pass. Prerequisite: instructor's permission.

NURS 481 ECG Interpretation

1 hour

This course will review cardiovascular anatomy and physiology and basic electrophysiology. Students will understand wave-forms, intervals, segments, and complexes. Through cardiac rhythm strip analysis, recognition of sinus, atrial, ventricular arrhythmias, and AV heart blocks will be emphasized. Prerequisites: BIOL 221 Human Anatomy & Physiology I, BIOL 222 Human Anatomy & Physiology II, NURS 311 Pathophysiology, NURS 312 Pharmacology, NURS 301 Nursing Care of Adults with Acute Conditions, or instructor permission.

NURS 483 International Medical Missions

1 hour

This hybrid course will be learning about various aspects of Healthcare in economically disadvantaged countries. This will include studying tropical diseases not commonly seen in the United States as well as discussing general aspects of medical missions, both short-term and long-term. We will examine health issues of impoverished and underserved areas and evaluate interventions, resources, and programs for disease prevention and health promotion there. Cultural awareness and cultural humility will be an important concept throughout our discussions. This course would be beneficial for any student interested in medical missions or serving in an economically disadvantaged country in the future.

NURS 484 Advanced Pharmacology

1 hour

NURS 485 Selected Topics

1-3 hours

An advanced seminar offered on an occasional basis addressing a current topic in the field that is of special interest to students and current faculty.

NURS 490 Nursing Capstone

5 hours

Students in this course will demonstrate successful completion of all College of Nursing program outcomes while working with multiple clients or populations. Students synthesize didactic and clinical learning, fully integrating the clinical judgment model, Baccalaureate Essentials, Scope and Standards of Practice, Nursing Code of Ethics, and Quality and Safety in Nursing Education Competencies into nursing practice across the healthcare continuum. This course prepares the student for successful transition into the professional nurse role. Additional course fee is required. Prerequisite: Semester IV standing in the Nursing Program.

NURS 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

PHYS 295 Individualized Study

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PSCI Course Descriptions

PSCI 150 Introduction to Political Science

3 hours

An introduction to the study of the use of political processes to decide public policy

be counted toward major requirements, and of these no more than three hours may be upper-

PSCI 475 Field Experience

1-3 hours

Supervised experiences in varied political agencies. A maximum of three hours of credit can be gained through one internship. No more than six hours of internship credit will be counted toward major requirements, and of these no more than three hours may be upper-level credit. Pass/No Pass.

PSCI 485 Selected Topics

1-3 hours

A seminar dealing with various topics as announced that represent current faculty interests and competencies.

PSCI 490 Senior Seminar

3 hours

This capstone course requires majors to think in a sophisticated manner about the relationship between their Christian faith and politics. In addition, students will complete a major project that requires them to draw together skills and information they have learned in lower-level courses.

PSCI 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

PSYC 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

PSYC 310 Lifespan Development

3 hours

A study of physical, intellectual, personality, social, and moral development from infancy to old age. Will not count as part of the psychology major. Students who take PSYC 310 are not eligible to also take PSYC 311, PSYC 314 or PSYC 312 for credit Prerequisite: PSYC 150 General Psychology.

PSYC 311 Child Development

3 hours

A study of physical, intellectual, personality, social, and moral development from the prenatal period through adolescence. Students who take PSYC 310 Lifespan Development are not eligible to also take PSYC 311 for credit. Prerequisite: PSYC 150 General Psychology.

PSYC 312 Adult Development

3 hours

A study of physical, intellectual, personality, social, and moral development from young adulthood to old age. StudTf397.03 6023792 ro6Q/P 4Mo0 Td[(P792 reW*(S)-2 (tu)-5 (dTf397.03 6023

based approach which emphasizes the strengths and resources individuals bring to a particular situation. The course is designed to explore the concepts, research, techniques, and exercises to enhance optimism, decrease stressors, and increase well-being. Prerequisite: PSYC 150 General Psychology.

PSYC 350 Social Psychology

3 hours

A study of the social and psychological processes of human interaction. Major topics to be covered include conformity, aggression, self-justification, persuasion, prejudice, attraction, and interpersonal communication. Prerequisite: PSYC 150 General Psychology.

PSYC 353 Culture and Psychology

3 hours

This course will cover the nature of c*nBT/TT-3 ((o)4 (f)-11 (cs(o)-3 (u)-3 g(5-3 (tu)-5 (ra)-3AM6 (jor.s6

PSYC 391 Research Methods

3 hours

An introduction to methods of psychological research. Explores essential topics for experimental research including research design, reliability, validity, and research ethics. Students also learn how to critically assess research literature, assimilate information from a variety of sources, and interpret data. In addition, students learn how to prepare manuscripts in APA format and to prepare professional research presentations. Prerequisites: PSYC 150 General Psychology and PSYC 240 Statistical Procedures.

PSYC 392 Advanced Research Methods

3 hours

Students will explore research design, analyses, and computer applications in the areas of cognition, learning, sensation and perception, and development using a variety of hands-on methods. Prerequisites: PSYC 240 Statistical Procedures and PSYC 391 Research Methods.

PSYC 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. Additional course fee is required.

PSYC 400 Psychological Testing

3 hours

Students will develop skills in understanding and critically evaluating educational and psychological tests (measures of ability, achievement, personality, and vocational interest). Also, modern principles of "psychometrics" - data-based analysis of test items, scores, and interpretations - will be emphasized, particularly the reliability and validity of items and tests.

PSYC 422 Child Psychopathology

3 hours

A study of the nature, causation and treatment of the major psychiatric and behavioral disorders among children and adolescents. Prerequisite: PSYC 150 General Psychology. Recommended: PSYC 220 Biological Psychology.

PSYC 430 Addictions

3 hours

Examines the complex interaction of psychological and sociological forces involved in substance abuse and addictions. Etiology, treatment options, and efficacy of treatments are reviewed. Prerequisite: PSYC 150 General Psychology.

PSYC 485 Selected Topics

1-3 hours

A course dealing with various topics, as announced, that represent current faculty interests and competencies and student interest. Prerequisite: PSYC 150 General Psychology.

PSYC 490 Senior Seminar

1 hour

This is a capstone course for the major focusing on the integration of Christianity and psychology and the application of psychological principles and findings in every day settings. Required for all psychology majors. Additional course fee is required. Prerequisite: Senior status.

PSYC 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

SOCI Course Descriptions

SOCI 150 Principles of Sociology

3 hours

SOCI 333 Juvenile Delinquency

3 hours

A study of the causes and nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs. Prerequisite: SOCI 150 Principles of Sociology or instructor's permission.

SOCI 339 Restorative Justice

3 hours

This course will cover the theological and historical backgrounds of alternative systems of justice, and the criminological principles undergirding a variety of restorative justice programs, particularly community policing, problem-solving courts and community corrections, and will apply an international comparative component as well as a study the programs' effectiveness. Prerequisite: SOCI 150 Principles of Sociology or instructor permission.

SOCI 340 Statistical Procedures

3 hours

Applied statistics for the social and behavioral sciences. Emphasis is placed on statistical logic and decision making. Recommended for the sophomore or junior year. Required for social work majors. (Identical to SWRK 340) Prerequisites: SOCI 150 Principles of Sociology and high school algebra.

SOCI 363 Social Inequality

3 hours

Examines the nature, causes, and consequences of inequality in society. An understanding of how social resources are distributed, and the resulting distribution of life chances, is central to understanding the fundamental bases of social order and social organization. This course takes a sociological approach to the study of inequality in which we argue that inequality is a characteristic of societies, not individuals.

SOCI 366 Social Change

3 hours

Explores socio-historic contexts, sources, and patterns related to social change, such as globalization, social movements, technological innovation, economic and political forces. Gives attention to understanding the role of individuals and groups in social change; moving toward a reflective, informed way of thinking and living as thoughtful Christians committed to justice.

SOCI 370 International Economic Development

3 hours

This course introduces students to causes and consequences of 'the wealth of nations.' Students will learn theories of economic growth and poverty alleviation. Topics to be covered include: globalization, education, international trade, holistic conceptions of development, and the role of institutions. (ECON 370 and SOCI 370 are identical courses.) Prerequisite: ECON 200 Principles of Economics.

SOCI 373 Social Theory

3 hours

A critical study of major social philosophers from Comte to the present. Required for sociology minors. Prerequisite: SOCI 150 Principles of Sociology or THEO 250 Introduction to Philosophy.

SOCI 380 Race and Ethnicity

3 hours

A study of the historical and socioeconomic factors experienced and lived by people of differing racial and ethnic backgrounds in the United States. Specific attention is placed on the social construction of race, social attitudes and past and present racial issues.

Prerequisite: SOCI 150 Principles of Sociology or instructor's permission.

SOCI 390 Research Methods

3 hours

An overview of quantitative and qualitative research methods in the social sciences.

Students will design a research project. Prerequisites: SOCI 150 Principles of Sociology and SOCI 340 Statistical Procedures or PSYC 240 Statistical Procedures.

SOCI 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings followed by travel to various locations throughout the world. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. Additional course fee is required.

SOCI 475 Field Experience

3-6 hours

Supervised experiences in private and public social agencies. Students may opt for 3 hours of SOCI 475 Field Experience as part of their minor. Pass/No Pass. Prerequisites: upper-division minors and by permission.

SOCI 485 Selected Topics

1-3 hours

A special-interest course that addresses current topics in the field of sociology. Course offerings depend on current faculty competencies and student interest. Previous offerings have included a Christian response to the contemporary family, criminal justice, cross-cultural education, death and dying, Native American cultures, sociology of religion, sociology of adolescence, and sociology of literature. Prerequisites: SOCI 150 Principles of Sociology and upper-division majors.

SOCI 495 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

Hispanic populations in the United States. Prerequisite: One year of Spanish study prior to college, minimum score of 100 on Spanish placement exam, or SPAN 101.

SPAN 275 Field Experience

1-10 hours

Supervised experience in a situation demanding extensive use of Spanish. Admission and credit hours determined by instructor. Pass/No Pass.

SPAN 285 Selected Topics

2-4 hours

Occasional special courses chosen to fit the needs and interests of students and faculty.

SPAN 295 Individualized Study

1-4 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is required.

SPAN 301 Intermediate/Advanced Spanish

4 hours

A thorough review of Spanish to develop intermediate high proficiency, as defined by ACTFL. Activities include reading authentic texts, writing in a variety of styles, and developing strategies for communication. Three class sessions and one laboratory per week. Prerequisite: SPAN 202 Intermediate Spanish II or placement by exam.

SPAN 302 Advanced Spanish

4 hours

A thorough review of Spanish to develop intermediate high proficiency, as defined by ACTFL. Activities include reading authentic texts, writing in a variety of styles, and developing strategies for communication. Three class sessions and one laboratory per week. Prerequisite: SPAN 301 Intermediate/Advanced Spanish or placement by exam.

SPAN 303 Spanish for Heritage Speakers

4 hours

This course examines the Latino populations of the U.S. and develops academic Spanish for those who learned Spanish outside of a formal school setting. Taught in Spanish. Prerequisite: Placement by testing or instructor permission.

SPAN 340 Spanish Culture and Civilization

3 hours

A one-semester introduction to the cultures and civilizations of the Iberian Peninsula. Students continue to develop skills toward advanced proficiency as defined by ACTFL. Activities to include reading authentic texts and listening to and interacting with native speakers of Spanish. Areas of study may include history, art, music, the role of religion, governmental systems and gender differences. Taught in Spanish. Prerequisite SPAN 302 or instructor's permission.

SPAN 350 Latin American Culture and Civilization

3 hours

An introduction to the cultures and civilizations of Latin America. Students continue to

SWRK Course Descriptions

SWRK 180 Introduction to Social Work

3 hours

This course serves as an introduction to the philosophy, historical development and current practices of the social work profession. Specifically, the knowledge base, values, skills, practices, settings, educational and career opportunities of the profession will be examined. Emphasis is placed on developing awareness of the scope of the profession using a scientific, analytic approach to service delivery and evaluation; relating generalist social work practice to social welfare systems; economic and social justice; and work with diverse, oppressed and at-risk populations. This course includes community service opportunities and/or social service agency tours. This course is required for those majoring in social work and must be taken prior to entrance into the major.

SWRK 210 Intro to Criminal Justice

3 hours

This course will provide students with an introduction and synopsis of the system of criminal justice operated in the United States today. The course will provide an overview of the philosophy of criminal law, theories of deviance and of the nature and extent of crime in America. The theory, structure, and operation of each of the principle components of the Criminal Justice System (i.e., law enforcement, courts, and corrections) will be examined in detail.

SWRK 275 Field Experience

1-3 hours

Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Prerequisite: instructor's permission.

SWRK 285 Selected Topics

1-3 hours

A special-interest class offered on a onetime basis addressing a subject in the field that is of general interest to the university community. Prerequisite: by permission.

SWRK 290 Diversity Issues in Social Work

3 hours

This course introduces students to issues of diversity and difference in preparation for culturally competent social work practice. Students will learn about vulnerable and marginalized groups and the environmental systems which impact them. Special attention is given to issues of intersectionality, bias, discrimination, power and privilege, and oppression. Students will explore their own personal identity and how their views, beliefs, values and behaviors may support or hinder future social work practice with diverse populations. Prerequisites: Declared social work major, social welfare minor, or permission of the instructor.

SWRK 295 Individualized Study

1-3 hours

Individualized study or supervised research in an area of special interest to the student which is outside the regular offerings of the major. Additional course fee (per credit) is

SWRK 391 Social Work Practice I

3 hours

A study of generalist social work practice with individuals. Micro-level theory, skills and interviewing techniques are applied to generalist social work. The course will cover theory and techniques of person-centered case management that are specifically applicable to work with individuals. Furthermore, this course assists the students in necessary self-exploration as it relates to future ethical social work practice. A prerequisite for Field Experience/Practicum I (SWRK 475). Required for majors and open to declared social work majors only. Prerequisites: PSYC 150 General Psychology, SOCI 150 Principles of Sociology, SWRK 180 Introduction to Social Work, and formal admission into the social work program.

SWRK 392 Social Work Practice II

3 hours

A study of mezzo-level generalist social work practice with families and groups. Attention is given to a systems framework of generalist social work practice, with a particular focus upon assessment and development of appropriate intervention strategies. A prerequisite for SWRK 476 Field Experience/Practicum II. Required for majors. Prerequisite: SWRK 391 Social Work Practice I and declared social work majors only.

SWRK 393 Social Work Practice III

3 hours

An overview of generalist social work methods practiced with organizations and communities. Attention is given to assessment, planning, implementation, and evaluation of macro-level systems. A prerequisite for SWRK 477 Field Experience/Practicum III. Required for majors. This class is open to declared social work majors only. Prerequisite: SWRK 392 Social Work Practice II.

SWRK 399 Cross-Cultural Experience

3 hours

This course offers in-depth discipline specific cross-cultural study designed to enhance the intercultural emphasis of various academic majors. The course includes class meetings in the spring followed by travel to various locations throughout the world in May. Students will use core disciplinary knowledge to serve, learn and interact with other cultures. Offered at the discretion of the department. Upper division students, by permission. Additional course fee is required.

SWRK 400 Child Welfare

3 hours

Basic principles of child welfare, with emphasis upon the services for families and children needing various types of support. Focus is on developing a knowledge and understanding of child welfare and supportive services. Prerequisites: PSYC 150 General Psychology or SOCI 150 Principles of Sociology and at least sophomore level status or instructor permission.

how these factors influence interaction with social/physical environments, and how the older person is, in turn, affected by these interactions. Social work perspectives, values and interventions with this population will be emphasized. Prerequisites: PSYC 150 General Psychology or SOCI 150 Principles of Sociology and at least sophomore level status or instructor permission.

SWRK 476 Field Education I

6 hours

The first course in the field instruction provides a beginning level of supervised field experience in a social service agency where students begin applying generalist practice skills of working with individuals, families, groups, organizations, and communities. Students integrate and apply concepts from social work practice courses focused on professionalism, ethics, policy, research, diversity, human rights and justice, and the generalist social work perspective. Additionally, students attend a one-hour seminar each week that addresses the integration of classroom concepts and experiences at the agency. (225 practicum hours in the agency) Prerequisites: SWRK 391 Social Work Practice I, SWRK 392 Social Work Practice II; declared social work majors only.

SWRK 477 Field Education II

6 hours

The second course in the field instruction continues professionally supervised generalist social work practice in approved community agencies. Students integrate and apply concepts from social work practice courses focused on professionalism, ethics, policy, research, diversity, human rights and justice, and the generalist social work perspective. Additionally, students attend a one-hour seminar each week that addresses the integration of classroom concepts and experiences at the agency.

THEA Course Descriptions

THEA 105 Mainstage Theatre Practicum

0-6 hours

The practical application of theatrical disciplines (acting, directing, design, technical &

HEA 130 Stagecraft

3 hours

Do you ever wonder what happens backstage during a theatre production or concert? Come learn the magic of how scenery is built, colors are mixed, and lights move. Through a series of hands-on projects, this course is designed to introduce students to the diverse skills, equipment, and professional practices used in staging theatre productions. Learn to set up a sound system and light a stage. Explore scenic materials, hardware, rigging, and construction techniques. Learn how to correctly coil cables and ropes, tie knots, fold drapes, and safely use all the tools in a typical scene shop. The course culminates with teams participating in Tech Olympics. Additional course fee is required.

THEA 135 Design Practicum

1-3 hours

The practical application of design techniques in connection with university theatre main stage productions. Open to any student taking part in a university theatre production. May be repeated for credit. Prerequisite: instructor's permission.

THEA 145 Management Practicum

1-3 hours

The practical application of theatre and stage management techniques in connection with university theatre main stage productions. Open to any student taking part in a university theatre production. May be repeated for credit. Prerequisite: instructor's permission.

THEA 155 Directing Practicum

1-3 hours

The practical application of directing techniques in connection with university theatre productions. Open to any student taking part in a university theatre production. May be repeated for credit. Prerequisite: instructor's permission.

THEA 160 Improvisational Theatre Workshop

2 hours

Focus on development of improvisational skills through structured and directed psychological, physical, and social exercises. May be repeated once for credit.

THEA 300 Acting III: Contemporary Scene Study

3 hours

A study of the acting and philosophical challenges that face contemporary actors in the professional world of theatre. Through in-depth scene study, structural analysis, in-class presentations, and outside research the student is exposed to the theatre community's

THEA 340 Theatre as Ministry

3 hours

A consideration of theatre skills as tools for meeting human needs in essentially nontheatrical environments. Focus on drama as a service medium rather than as strictly an entertainment vehicle.

THEA 345 Management Practicum

1-3 hours

The practical application of theatre and stage management techniques in connection with university theatre main stage productions. Open to any student taking part in a university theatre production. May be repeated for credit. Prerequisite: Instructor's permission.

THEA 350 Music Theatre Performance

3 hours

An introduction to the acting, dance, and vocal techniques required for music theatre performance. Through in-depth scene study, vocal training, dance, and in-class performances, the student will be introduced to the various artistic challenges inherent in music theatre since its inception. This course requires additional outside-of-class time for rehearsals and performance of selected material. Additional course fee is required. (MUSI 350 and THEA 350 are identical courses.) Prerequisites: THEA 100 Acting I: Fundamentals and MUSA 105 VC Applied Voice or MUSI 125T Music Theatre or MUSI 325T Music Theatre.

THEA 355 Directing Practicum

rehearsal and performance of selected material. Prerequisite: THEA 205 Acting Studio or instructor's permission.

THEA 380 Costume Design

3 hours

A study of the elements and principles of costume design for the theatre. Students will develop skills in play analysis for costuming, basic rendering skills, and period research. The class will include an introduction to the various media used in communicating a costume design concept. Additional course fee is required. Prerequisite: THEA 130 Stagecraft or instructor's permission.

THEA 390 Playwriting

3 hours

This course is designed to introduce basic playwriting, in particular elements of the playwright's craft: dramatic action, plot, characterization and theatricality. The course functions as a playwriting workshop withr's is10 (il)4 (l incr-3 (te-3 (4o)-3 (n)8 (tin)-3 (g)4 (te)x3 (v)10 (e

THEA 475 Field Experience

1-10 hours

Offered summers only. Supervised experience with off-campus professional, community, church, or camp theatre productions or drama programs. The experience may include acting, directing, technical production, design, publicity, management, therapy, or any combination thereof. Pass/No Pass. Prerequisite: Instructor's permission.

THEA 485 Selected Topics

3 hours

Characteristically offered as part of May Term. Special courses offered occasionally to meet the needs and interests of students, professors, and visiting professors, specifically including technical theatre.

THEA 490 Senior Theatre Seminar

1 hour

The Senior Theatre Seminar is a one credit fall course that is designed to help our students develop key entrepreneurial skills as individual theatre artists to help them transition from their undergraduate careers to the professional world of theatre. The class culminates in a GFU Senior Theatre Showcase in which senior theatre majors showcase their talent for Portland artistic directors and casting directors. (permission number required)

THEA 495 Individualized Study

THEO Course Descriptions

THEO 100 Bible Survey

3 hours

This course provides an overview of the history, literature, and themes of the Christian Bible. The 6-credit-hour sequence of THEO 101-

THEO 301 New Testament

3 hours

Using selected books and portions, the New Testament will be studied with attention given to historic contexts, major religious themes, and literary forms of the Bible.

THEO 302 Theology II

3 hours

In this second part of a two-part sequence, students continue their journey into the breadth and depth of Christian theology, studying what Christians have believed and practiced. Emphasis is placed on major themes, figures, texts, and on students connecting t ()JTJETQq0 0 612 792 reW*nBT/mCn thd (n)-3 (d)-3 116 Q/r9f(e)2B10 (,)6 (f)-11 (ig)8 (u

Logic involves a study of Aristotelian forms of deductive reasoning, including the syllogism, inductive reasoning, fallacies, and some aspect of symbolic logic, including Venn diagrams and truth tables. Its goal is to facilitate sound thinking that is both

THEO 391 Theological Praxis I: Foundation of Self

3 hours

An exploration of an individual's call to ministry and a study of present praxis in Christian ministry, with emphasis on spiritual formation and community building. This is the first of four semesters. Additional course fee is required. Requires department approval. Prerequisite: Sophomore standing or above.

THEO 392 Theological Praxis II: Christian Community

3 hours

A study of the faith life of the Christian community, expressed through Scripture, traditions, theology and church history, as it relates to Christian theological praxis. This is the second of four semesters. Additional course fee is required. Prerequisite: THEO 391 Theological Praxis I: Foundations of Self.

THEO 400 Speaking as Ministry

3 hours

A practical course providing methods and introductory techniques for preparation and delivery of Christian speaking as ministry. A variety of message construction types will be studied, and students will have opportunity to speak and receive student and instructor evaluation. This course will cover sermon preparation and delivery, devotional and inspirational speaking, extemporaneous sharing, and broader aspects of communicating Christian truth.

THEO 410 World Religions

3 hours

A comparative study between Christianity and other prominent religions of the world, such as Buddhism, Islam, Hinduism, and contemporary kinds of alternative religion.

THEO 415 Advanced Bible and Theology

1-3 hours

Theology and Biblical Studies are vibrant and dynamic fields of study, with profound implications not only for communities of faith but also for the study of politics, literary studies, philosophy, history, and popular culture. This advanced course will focus on contemporary issues relevant to the research interests and specialties of George Fox University faculty in theology and Bible and will offer an opportunity for students and faculty to collaborate in the dual process of research and personal transformation. Specific topics rotate, and the course can be taken more than once with different topics. Prerequisite: THEO 301 New Testament and THEO 302 Theology II, or by instructor permission.

THEO 425 Theological Languages II

4 hours

In this course students will study languages relevant to their biblical and theological study (options include ancient languages such as Hebrew, Greek, Latin, or inscriptions, as well as modern languages such as German, French, Spanish, etc.). Basics of vocabulary and grammar and special aspects of the language will be covered in the first semester, while the second semester moves more heavily into reading primary sources. Prerequisite: THEO 325 Theological Languages I.

THEO 430 Spirituality and the Intellectual Life

3 hours

This course seeks to overcome the opposition between spirituality and the intellectual life. We will examine ways in which spirituality can deepen and undergird the intellectual life, as well as finding ways that a reflective, deep thinking life can nurture and strengthen one's spirituality. We will not only examine these relationships abstractly, but will attempt to put into practice patterns of integrating mind and spirit.

THEO 435 Advanced Philosophy, Theology, and Ethics

3 hours

Theology and Philosophy are vibrant and dynamic fields of study, with profound implications not only for communities of faith but also for the study of politics, literary studies, philosophy, history, and popular culture. This advanced course will focus on contemporary issues relevant to the research interests and specialties of George Fox University faculty in theology and philosophy and will offer an opportunity for students and faculty to collaborate in the dual process of research and personal transformation. G(n)sonteon fac

THEO 485 Selected Topics

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WRIT Course Descriptions

WRIT 100 English Skills

3 hours

A course to develop collegiate-level learning and written communication skills, focusing on reading speed and comprehension, vocabulary development, and a review of the standards of sentence structure, punctuation, grammar, and usage. Prerequisite: By placement only.

WRIT 103 Individualized English Skills

1-2 hours

WRIT 240 Technical Writing

3 hours

Introduces students to the principles and procedure of technical writing; attention to analyzing audience and purpose, organizing information, designing graphic aids, and writing such specialized forms as abstracts, instructions, and proposals. Prerequisite: WRIT 111 Caring for Words, enrollment in the Honors Program, or instructor permission.

WRIT 250 Creative Nonfiction

3 hours

A workshop approach to writing creative nonfiction. Introduces students to the many voices, styles, and structures of the creative essay. Prerequisite: WRIT 111 Caring for Words, enrollment in the Honors Program, or instructor permission.

WRIT 275 Field Experience

1 hour

Supervised experience in the discipline including internships and practica required for professional programs. This introductory experience must have an on-site supervisor and/or a departmental instructor overseeing, designing, and evaluating the content of the course. Prerequisite: instructor's permission.

WRIT 285 Selected Topics

3 hours

Occasional special courses created to fit the needs and interests of faculty, visiting professors, and students.

WRIT 290 Professional Seminar

1 hour

This course examines career options for English majors. Goal setting, professional development, and marketing skills are emphasized. Required of all English majors. Prerequisite: English major with sophomore standing.

WRIT 310 Professional Writing

3 hours

This course explores trends in media convergence, focusing as well on the ways reporters, editors, and designers create stories for the web. Particular emphasis will be on web-based story design, the coordination of text and art, and the creation of stories for a variety of new media outlets. Prerequisite: WRIT 111 Caring for Words, enrollment in the Honors Program, or instructor permission.

WRIT 330 Magazine and Feature Writing

3 hours

A workshop approach to writing feature articles and other shorter nonfiction forms for periodicals. Student-produced material is submitted to various publications as part of course expectations. Prerequisite: WRIT 111 Caring for Words, eU6ty9r-(tu)4 (d)-3 n 192.74 Td otor

WRIT 350 Composition Theory

3 hours

This course provides an introduction to writing theory. Students will explore different approaches to writing theory, and will apply what they have learned about composition and rhetoric to their own written work.

professional programs. This introductory experience must have an on

Undergraduate Admissions

The Office of Undergraduate Admissions, located on the second floor of the Stevens Center, serves students planning to enroll in traditional undergraduate programs on the Newberg campus. Degree completion admissions, located in the Portland Center, assists students seeking enrollment in the adult undergraduate degree-completion programs. Admissions counselors are available on both the Portland Center and Newberg campus to assist students.

Policies and Procedures

- Basis of Undergraduate Admission

 - Freshmen

 - Transfer Students

 - International Students

 - Readmission of Former Students

 - Advanced Placement

 - High School Nongraduates

 - Special Students - Early College

 - Special Students - Conventional

 - Special Students - Adults 62 and older

 - Special Students - Alumni Audit

Basis of Undergraduate Admission

Admission Procedures for Freshmen

In order to provide a solid foundation for college-level work, it is recommended that the applicant present the equivalent of 16 academic units from an approved high school. The following units are suggested: English, 4; social studies, 2; science, 2; and mathematics, 3.

Approximately 90 percent of the freshman class enroll with an A or B high-school grade average. The Admissions Committee may offer provisional admission to students with lower high school grades or low entrance examination scores.

Procedures

1. Apply online and visit our admissions page for information and application requirements.
2. Complete the Application for Admission. A \$40 application fee will be due at the time of a submitted online application (if after the Early Action Deadline, Nov. 1). The postmark deadlines are: Nov. 1 for Early Action, Jan. 15 for Priority Deadline, and Nov. 1 for spring semester.
3. Request an official transcript of academic credit from the secondary school last attended.
4. Have one recommendation form completed and sent to the admissions office.
5. Submit entrance examination scores. The Scholastic Aptitude Test (SAT) [George Fox code is 4325] or American College Test (ACT) [George Fox code is 3462] will be accepted. The writing portion of the ACT is not required. Tests should be taken in your junior year or early in your senior year. Contact your high school principal or counselor for information concerning these tests. Soon after the admission file is completed, the applicant is notified of the Admissions Committee's decision. Updates to test scores will be considered until Feb. 1.
6. If applying for financial aid, a Free Application for Federal Student Aid (FAFSA) must be submitted online at fafsa.ed.gov as soon after Oct. 1 as possible. The George Fox code for FAFSA is 003194. Forms may be obtained from high school counseling offices or by writing to Student Financial Services at George Fox University. After students have been accepted for admission, they are considered

Admission Procedures and Policies for Transfer Students

1. Apply online and visit our admissions page for admissions and application requirements.
2. Complete the Application for Admission. A \$40 application fee will be due at the

Readmission of Former Students

To apply for readmission after a withdrawal from the university, a student should submit an Application for Readmission to the Office of Undergraduate Admissions. By May 1, a \$300 enrollment deposit must be submitted by each readmitted student. Until May 1, it is refundable. The spring semester enrollment deposit deadline is Dec. 1 and is not refundable after that date. Generally, readmitted students must meet any new or revised graduation requirements as listed in the catalog at the time of readmission.

Students who drop out to attend another program risk acceptance of that credit on return unless such has been approved by the registrar prior to leaving.

Advanced Placement

Past learning and present ability may recommend that course work begin at an advanced level. This may involve granting of credit or waiving certain prerequisites or university requirements. See General Education Requirements and Course Challenge Programs for more information.

International Students

High School Nongraduates

A student who does not hold a high school diploma may be admitted on the basis of the General Educational Development (GED) test as follows:

A GED received after December 2013 requires a standard score of at least 145 on each of the four subject examinations, with a total score of 660 or higher

A GED received between January 2002 and December 2013 requires a standard score of at least 480 on each of the five subject examinations, with an average battery score of 530 or higher.

A high-school or two-year-college counseling center can supply testing details.

Special Students - Conventional

Purpose

The conventional special student program is for high school graduates who do not intend to enter a degree/certificate program, **OR** those who plan to enter a degree/certificate program at a later time, but would like to take classes before being formally admitted to a degree/certificate program. Enrollment is at the discretion of George Fox University.

Eligibility Requirements

- Students must meet the undergraduate academic standing requirements.

Fees

- Special Students are not eligible to participate in institutional financial aid programs.
- Tuition is billed at current per credit rates for each program. See the Student Accounts page for specific pricing.
- Students must pay all applicable special course and lab fees.
- Additional fees may apply based on program. See the Student Accounts page for more information.
- All registered students must complete Vehicle Registration through MyGeorgeFox, even if a vehicle will not be used on campus. Parking permit fees may apply. Please contact Campus Public Safety for more information.
- Employees of the university should refer to the Office of People and Culture for information on tuition remission requirements, deadlines and applications.

What do I need to know?

1. Undergraduate (100-499 level) and graduate (500-799) courses may be taken for

6. Regular admission is required to enter a degree/certificate program. Please contact the Office of Admissions for more information. Special student enrollment does not guarantee subsequent admission to any degree/certificate program.
7. A maximum of 24 credits taken as a Special Student may transfer to a degree/certificate program. Audited courses will not apply to a degree/certificate program.

Application Procedure

1. Search the Class Schedule to find a listing of available courses.
2. Browse the Catalog for course descriptions.
3. Complete the online application, which is **due** in the registrar's office before 5pm on Friday of the first week of the semester. See specific semester dates on the academic calendar. A special student registration application must be completed **each semester** you intend to enroll. List the class you would like to take, including the course section (example: ECON 201 C Principles of Microeconomics).
4. All courses require professor and department permission to be registered. The registrar's office will contact the department for you once your application has been received.
5. Enrollment is allowed on a **space-available basis** only. **Your registration will be processed on the first day of the semester.** On the first day of class, the student should contact the registrar's office to determine if space is available for the course. If the space is available, the student will be admitted to the class and charged course and lab fees as applicable.

Questions?

If you have questions, please contact the registrar's office at 503-554-2218 or by email at registrar@georgefox.edu.

Special Students - Early College

Purpose

The Early College Special Student program is available to qualified U.S. domestic high school juniors and seniors. This permits study in undergraduate courses at George Fox University while a student completes a high school program. Enrollment is at the discretion of George Fox University.

Eligibility Requirements

- An applicant must have completed the sophomore year of high school.
- An applicant who graduated from high school more than six months ago is not eligible.
- Students must meet the undergraduate academic standing requirements.

Fees

- Special Students are not eligible to participate in institutional financial aid programs.
- Traditional Undergraduate Courses:
 - # Fall and Spring semester courses (in-person or online): \$50/credit
 - # Summer Online Session courses: \$499/credit.
- Students must pay all applicable special course and lab fees.
- Additional fees may apply for students registered for 5 or more credits. See the Student Accounts page for more information.
- All registered students must complete Vehicle Registration through MyGeorgeFox, even if a vehicle will not be used on campus. Parking permit fees may apply. Please contact Campus Public Safety for more information.
- Employees of the university should refer to the Office of People and Culture for information on tuition remission requirements, deadlines and applications.

What do I need to know?

1. Special Students are limited to one class each fall and spring semester.
2. Special Students are limited to three classes in the Summer Online session during summer semesters.
3. A maximum of 24 credits can be accrued as a Special Student.
4. Any course prerequisites must be met in order to be registered for the requested class.
5. Courses in the following programs do not allow special student registration:
 - Art and Design (ARTS, ARTD, INTD).
 - Programs requiring admission to the major.
6. Regular admission is required to enter a degree/certificate program. Please contact the Office of Admissions for more information. Special student enrollment does not guarantee subsequent admission to any degree/certificate program. At the point of admission to a degree program, students will be required to pay the regular tuition rate.

7. A maximum of 24 credits taken as a Special Student may transfer to a degree program.

Application Procedure

Search the Class Schedule to find a listing of available courses.

Browse the Catalog for course descriptions.

Complete the online application, which is **due** in the registrar's office before 5pm on Friday of the first week of the semester. See specific semester dates on the academic calendar. A special student registration application must be completed **each semester** you intend to enroll. List the class you would like to take, including the course section (example: ECON 201 C Principles of Microeconomics).

All courses require professor and department permission to be registered. The registrar's office will contact the department for you once your application has been received.

Enrollment is allowed on a **space-available basis** only. **Your registration will be %**

Special Students - Adults 62 and Older

Purpose

Any person **62 years of age or older** may be eligible to enroll in undergraduate courses for personal enrichment and lifelong learning. Enrollment is at the discretion of George Fox University.

Eligibility Requirements

- Students must be age 62 or older on the date the requested course begins.
- Students must meet the undergraduate academic standing requirements.

Fees

- Special Students are not eligible to participate in institutional financial aid programs.
- Traditional Undergraduate Courses:
 - # Fall and Spring semester courses: \$50/credit.
 - # Summer Online Session courses: \$499/credit.
- Degree Completion Courses: \$50/credit.
- Students must pay all applicable special course and lab fees.
- Additional fees may apply for students registered for 5 or more credits. See the Student Accounts page for more information.
- All registered students must complete Vehicle Registration through MyGeorgeFox, even if a vehicle will not be used on campus. Parking permit fees may apply. Please contact Campus Public Safety for more information.
- Employees of the university should refer to the Office of People and Culture for information on tuition remission requirements, deadlines and applications.

What do I need to know?

1. Special Students are limited to one class each fall and spring semester.
2. Special Students are limited to three classes in the Summer Online session during summer semesters.
3. A maximum of 24 credits can be accrued as a Special Student.
4. Any course prerequisites must be met in order to be registered for the requested class.
5. Courses in the following programs do not allow special student registration:
 - Art and Design (ARTS, ARTD, INTD).
 - Programs requiring admission to the major.
6. Regular admission is required to enter a degree/certificate program. Please contact the Office of Admissions for more information. Special student enrollment does not guarantee subsequent admission to any degree/certificate program. At the point of admission to a degree program, students will be required to pay the regular tuition rate.
7. A maximum of 24 credits taken as a Special Student may transfer to a degree program.

Application Procedure

1. Search the Class Schedule to find a listing of available courses.
2. Browse the Catalog for course descriptions.
3. Complete the online application, which is **due** in the registrar's office before 5pm on Friday of the first week of the semester. See specific semester dates on the academic calendar. A special student registration application must be completed **each semester** you intend to enroll. List the class you would like to take, including the course section (example: ECON 201 C Principles of Microeconomics).
4. All courses require professor and department permission to be registered. The registrar's office will contact the department for you once your application has been received.
5. Enrollment is allowed on a **space-available basis** only. **Your registration will be processed on the first day of the semester.** On the first day of class, the student should contact the registrar's office to determine if space is available for the course. If the space is available, the student will be admitted to the class and charged course and lab fees as applicable.

Questions?

If you have questions, please contact the registrar's office at 503-554-2218 or by email at registrar@georgefox.edu.

Special Students - Alumni Audit

Purpose

Alumni who have **earned a degree** from George Fox University have the opportunity to audit some undergraduate or graduate courses at a special rate. This program provides graduated George Fox alumni the opportunity to investigate courses on a limited basis and to continue lifelong learning at their alma mater. Enrollment is at the discretion of the University.

Eligibility Requirements

- Students must have an earned degree from George Fox University.
- Students currently enrolled in another program at George Fox University are not eligible to use the alumni audit benefit.
- Students must meet academic standing requirements.

Fees

- Special Students are not eligible to participate in institutional financial aid programs.
- Traditional Undergraduate Courses:
 - # Fall and Spring semester courses: \$50/credit
 - # Summer Online Session courses: \$499/credit
- Degree Completion Courses: \$50/credit
- Graduate Courses: \$50/credit
- Students must pay all applicable special course and lab fees.
- Additional fees may apply based on program. See the Student Accounts page for more information.
- All registered students must complete Vehicle Registration through MyGeorgeFox, even if a vehicle will not be used on campus. Parking permit fees may apply. Please contact Campus Public Safety for more information.
- Employees of the university should refer to the Office of People and Culture for information on tuition remission requirements, deadlines and applications.

What do I need to know?

1. Special Students are limited to one class each fall and spring semester.
2. Special Students are limited to three classes in the Summer Online session during summer semesters.
3. Any course prerequisites must be met in order to be registered for the requested class.
4. Courses in the following programs do not allow special student registration:
 - Undergraduate
 - # Art and Design (ARTS, ARTD, INTD)
 - # Programs requiring admission to the major
 - Graduate
 - # Master of Arts in Teaching (MAT)
 - # Master of Business Administration (MBA)

- # Doctor of Physical Therapy (DPT)
 - # Doctor of Ministry (DMin)
 - # Programs using the cohort model
5. Regular admission is required to enter a degree/certificate program. Please contact the Office of Admissions for more information. Special student enrollment does not guarantee subsequent admission to any degree/certificate program. At the point of admission to a degree/certificate program, students will be required to pay the regular tuition rate.
 6. Audited courses **will not apply** to the requirements of a degree/certificate program.

Application Procedure

1. Search the Class Schedule to find a listing of available courses.
2. Browse the Catalog for course descriptions.
3. Complete the online application, which is **due** in the registrar's office before 5pm on Friday of the first week of the semester. See specific semester dates on the academic calendar. A special student registration application must be completed **each semester** you intend to enroll. List the class you would like to take, including the course section (example: ECON 201 C Principles of Microeconomics).
4. All courses require professor and department permission to be registered. The registrar's office will contact the department for you once your application has been received.
5. Enrollment is allowed on a **space-available basis** only. **Your registration will be processed on the first day of the semester.** On the first day of class, the student should contact the registrar's office to determine if space is available for the course. If the space is available, the student will be admitted to the class and charged course and lab fees as applicable.

Questions?

If you have questions regarding this program please contact the Office of the Registrar (503-554-2218 or registrar@georgefox.edu).

Academic Opportunities

George Fox University offers the following opportunities that support the mission of the traditional undergraduate program at the university:

- Academic Success Program
- Consortium Visitor Program
- Grand Challenge Scholars Program
- Honors Program
- Juniors Abroad
- Semesters Off Campus

Academic Success Program

A limited number of carefully selected students who do not meet regular admission standards are welcomed to the George Fox University Academic Success Program (ASP) each fall. Admitted provisionally to the university, ASP students attend an afternoon orientation before other students arrive. Under the individualized guidance of the ASP director and faculty advisors, they register for fall courses. Tutorial assistance and other aids are available, as needed. Total hours are limited to 16 for fall semester. An academic standing of Provisional Admission will appear on ASP students' official and unofficial transcripts upon admission but will be removed from the transcript after the completion of one semester.

Consortium Visitor Program

The Christian College Consortium Exchange sponsors a student visitors program intended as an enrichment to those disciplines where personnel and courses may be somewhat limited. Normally this one-semester experience should be part of the junior year or the first semester of the senior year. Application forms and a descriptive brochure are available from the registrar.

The other 12 members of the Christian College Consortium are:

- Asbury University (Wilmore, KY)
- Bethel University (St. Paul, MN)
- Gordon College (Wenham, MA)
- Greenville University (Greenville, IL)
- Houghton College (Houghton, NY)
- Malone University (Canton, OH)
- Messiah University (Grantham, PA)
- Seattle Pacific University (Seattle, WA)
- Taylor University (Upland, IN)
- Trinity International University (Deerfield, IL)
- Westmont College (Santa Barbara, CA)
- Wheaton College (Wheaton, IL)

Although spending a semester at another Christian institution can be very beneficial, there are budgetary limits on the number of students that can be approved for off-campus, semester-long programs. Students should not

Grand Challenges Scholars Program

The National Academy of Engineering (NAE) Grand Challenges for Engineering program was created in 2008 as an aspirational vision of what engineering needs to deliver to all people on the planet in the 21st century. With 14 goals in total -

Juniors Abroad

In order to enrich the intercultural and international awareness of our campus community, George Fox University offers a transportation-subsidized overseas course of approximately three weeks to any junior student who has fulfilled the following requirements. These tours occur during the annual May Term. Detailed information about eligibility and specific study tours is available from the director of Juniors Abroad.

Objectives

The student who successfully participates in Juniors Abroad will:

11. The university reserves the right to withdraw from this program and commitment prior to fall registration in any year. Students already registered under the program are guaranteed the study-tour.
12. In the event of an international monetary, military, or other crisis, the university reserves the right to cancel or postpone a study-tour or to make substitute arrangements.
13. The university does not obligate itself to alternative remuneration to students who cannot go, who decide not to go, or who are ineligible to go on a Juniors Abroad study-tour.

Semesters Off Campus

Introduction

Students enrolled at George Fox University may enrich their learning experience and in some cases fulfill important requirements for their major or minor by participating in one of the approved programs listed below. For those approved to participate, the cost is similar to staying on campus. Complete information about the programs and the application processes is available in the Center for Study Abroad website.

Eligibility

Student must have sophomore standing, including 31 semester hours completed, at the time of application for a semester off campus. Exceptions may be made if necessary for completion of a student's major requirements.

Student must be enrolled at George Fox for a full academic year prior to participation in a semester off campus. Exceptions may be made if necessary for completion of a student's major requirements.

Student must be in good standing with Student Life.

Student must be current with student financial accounts.

Student must have a minimum cumulative GPA of 3.00 to apply for a semester off campus. Exceptions will be granted to students in good academic standing if a semester off campus is required for completion of the student's major or minor requirements. Students applying to the Scholars' Semester in Oxford must have a minimum cumulative GPA of 3.5.

GPA will be one of the factors considered by the committee that selects George Fox students to participate in the Semesters Off Campus programs.

Application Process

Meet with your academic advisor to determine the impact on completing the major and other graduation requirements.

Obtain the application form from the Center for Study Abroad or the George Fox website.

Submit the form and its required attachments (faculty recommendation, transcript request, essay on your interest in the program) as well as the required signatures from various offices on campus to the registrar's office. The materials are due at the end of the first week of classes in the spring semester.

Selection Process

After the deadline, the Off Campus Selection Committee meets to review the applications and accepts or rejects them, based on the requirements listed above. The director of global studies then notifies the applicants of their acceptance or rejection.

Semesters Off Campus: Course Disciplines

The following course disciplines are used by George Fox University to record coursework completed by students at approved programs:

Course Prefix	Semester Off-Campus Program
CONS	Christian College Consortium Exchange Program
XAMS	American Studies Program (Washington, D.C.)
XCMC	Contemporary Music Center (Nashville, TN)
XFSD	Semester in Dijon, France CIEF
XHGU	Handong Global University, South Korea
XJPN	East Asia Institute, Japan
XLAF	Los Angeles Film Studies Center
XLLE	

XVSK
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Veritas in Seoul, South Korea
Veritas in Sevilla, Spain

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