



**ART REQUIREMENTS**

AR 1103 Design I .....	3 hours
AR 1123 Drawing I.....	3 hours
AR 1113 Design II.....	3 hours
AR 1133 Drawing II .....	3 hours
AR 2113 Introduction to Ceramics .....	3 hours
AR 2223 Introduction to Painting.....	3 hours
AR 2313 Introduction to Printmaking .....	3 hours
AR 4213 Art History Pre-20 <sup>th</sup> Century .....	3 hours
AR 4223 Art History Modern .....	3 hours
Choose two of the following.....	6 hours
AR 3113 Advanced Ceramics	
AR 3223 Advanced Painting	
AR 3313 Advanced Printmaking	
Upper Level Art Electives .....	9-12 hours
<b>TOTAL</b>	<b>42-45 Hours</b>

**DEGREE REQUIREMENTS FOR BSE IN ART P-12****General Education Requirements**

(See Baccalaureate Degree General Education Requirements) .....	54/55 hours
<b>Specialization</b> (See below).....	39 hours
<b>Professional</b> (See below) .....	34 hours

**TOTAL** **127/128 Hours**

**SPECIALIZATION**

AR 1103 Design I .....	3 hours
AR 1123 Drawing I.....	3 hours
AR 1113 Design II.....	3 hours
AR 1133 Drawing II .....	3 hours
AR 2113 Introduction to Ceramics .....	3 hours
AR 2223 Introduction to Painting.....	3 hours
AR 2313 Introduction to Printmaking .....	3 hours
AR 4213 Art History Pre-20 <sup>th</sup> Century .....	3 hours
AR 4223 Art History Modern .....	3 hours
AR 4113 Art Education I .....	3 Hours
AR 4123 Art Education II.....	3 Hours
Choose two of the following.....	6 hours
AR 3113 Advanced Ceramics	
AR 3223 Advanced Painting	
AR 3313 Advanced Printmaking	
<b>TOTAL</b>	<b>39 Hours</b>

**PROFESSIONAL**

ED 2203 Introduction to Teaching .....	3 hours
ED 2253 Introduction to the Exceptional Child .....	3 hours
PY 3113 Child Development and Learning Process.....	3 hours
PY 3123 Adolescent Development and Learning Process .....	3 hours
ED 4113 A Study of the School.....	3 hours
ED 4133 Measurement and Evaluation .....	3 hours
ED 4538 Directed Student Teaching: Art P-12 .....	8 hours
ED 4538 Directed Student Teaching: Art P-12 .....	8 hours

<b>TOTAL</b>	<b>34 Hours</b>
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**MINOR IN ART**

AR 1103 Design I .....	3 hours
AR 1123 Drawing I.....	3 hours
AR 1113 Design II.....	3 hours
AR 1133 Drawing II .....	3 hours
Choose three of the following:.....	9 hours
AR 2113 Introduction to Ceramics	
AR 2223 Introduction to Painting	
AR 2313 Introduction to Printmaking	
AR 4223 Art History Modern	

<b>TOTAL</b>	<b>21 Hours</b>
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*Each Art Minor is required to enroll in AR 2143 Art Appreciation as a humanities elective.*

**ART COURSE DESCRIPTIONS****AR 1103 Design I**

Two-dimensional studio problems in the use of the elements of art and principles of design and their interrelationships. **Fall**

**AR 1113 Design II**

Three-dimensional studio problems in the use of the elements of art and principles of design, with emphasis on technical and conceptual development. Prerequisite: AR 1103 Design I. **Spring.**

**AR 1123 Drawing I**

An introductory course in drawing technique and media. Principles of line, form, value, and perspective in object, landscape, and figure drawing. **Fall.**

**AR 1133 Drawing II**

Development of skills concerning objective and subjective representation and the ability to communicate visually through a variety of media. Emphasis is on refinement of technique and personal expression. Prerequisite: AR 1123 Drawing I. **Spring.**

**AR 2113 Introduction to Ceramics**

Introduction to ceramic materials and techniques, handbuilt and wheel-thrown forms, glazing, and firing. Prerequisite (Art Majors/Minors): AR 1113 Design II and AR 1133 Drawing II. Open to Non-Majors. Studio fee. **Spring.**

**AR 2143 Art Appreciation**

Introduction to visual art for all students regardless of major or background, designed to develop effective criteria for criticism and for the appreciation of artistic expression. **Fall, Spring.**

**AR 2223 Introduction to Painting**

Fundamentals in painting materials and techniques, including varied supports and media. Work from still life, landscape, and figure. Prerequisite (Art Majors/Minors): AR 1113 Design II and AR 1133 Drawing II. Open to Non-Majors. **Fall.**

**AR 2313 Introduction to Printmaking**

Designed to introduce the student to fundamental techniques, principles, and concepts used in the art of printmaking. Prerequisite (Art Majors/Minors): AR 1113 Design II and AR 1133 Drawing II. Open to Non-Majors. Studio Fee. **Spring.**

**AR 3113 Advanced Ceramics**

Further exploration of the ceramic form with emphasis on technical refinement and individual expression. May be repeated for credit. Prerequisite: AR 2112 Introduction to Ceramics. Studio fee. **Fall, Spring.**

**AR 3223 Advanced Painting**

Further development in painting techniques with emphasis on individual selection of content and media. May be repeated for credit. Prerequisite: AR 2223 Introduction to Painting. **Fall, Spring.**

**AR 3313 Advanced Printmaking**

Exploration of further possibilities in the printmaking process with emphasis on technical refinement and individual expression. May be repeated for credit. Prerequisite: AR 2313 Introduction to Printmaking. Studio fee. **Fall, Spring.**

**AR 4113 Art Education I**

Prepares students to teach children the fundamentals of art. Emphasis on integrating concepts from Discipline-Based Art Education with studio methods and techniques. Prerequisite: AR 2143 Art Appreciation. **Fall.**

**AR 4123 Art Education II**

Curriculum development for teachers of art in the secondary school, integrating concepts of Discipline-Based Art Education with studio methods. Prerequisite: AR 2143 Art Appreciation. **Spring.**

**AR 4213 Art History Pre-20<sup>th</sup> Century**

A study of the great originative styles and developments in Western art from the Paleolithic period to the *fin de siecle* of 19<sup>th</sup> century Europe. **Fall, even years.**

**AR 4223 Art History Modern**

A study of artists, styles, influences, and development of American and European art of the 20<sup>th</sup> century. **Fall, odd years.**

## DEPARTMENT OF BUSINESS

### Business Administration, Computer Information Science, Finance

#### *Division of Professional Studies*

*Summer DeProw, Chair*

*Steve Corder, Sloan Professor of Business*

*Grant Deprow*

*Heather Parson*

*Joy Ring*

The Department of Business offers a Bachelor of Science in Business with a choice of majors in Business Administration, Business Administration with an emphasis in Computer Information Science (CIS), or Finance. In addition to the bachelors degree, students may seek a minor in Business Administration or Computer Information Science. The Department of Business also offers instruction in data processing, economics, accounting and marketing.

### FOUNDATION FOR ALL BUSINESS MAJORS

The business degree programs require students to take a prescribed set (42 hours) of foundation courses. Students earning a business degree must take MT 1133 College Algebra, or a higher level mathematics course, and Macroeconomics to satisfy the General Education Social Science requirement. For CIS and Finance majors, Survey of Calculus or Calculus I must be taken to satisfy the Natural Science General Education Requirement.\*

#### **General Education Requirement**

*(See Baccalaureate Degree General Education Requirement) .....53/54 hours*

#### **Business Foundation Courses -[42 hours]**

BA 2243 Principles of Accounting I.....	3 hours
BA 2253 Principles of Accounting II .....	3 hours
BA 2313 Business Statistics .....	3 hours
BA 3213 Principles of Marketing.....	3 hours
BA 3223 Organizational Management .....	3 hours
BA 3283 Business Law.....	3 hours
BA 3323 Business Communication Skills.....	3 hours
BA 3423 Operations Management.....	3 hours
BA 4333 Business Ethics.....	3 hours
BA 4913 Business Policy.....	3 hours
CS 2113 Management Information Systems .....	3 hours
DP 2253 Microcomputer Applications I.....	3 hours
EC 2273 Principles of Macroeconomics*.....	3 hours
EC 2283 Principles of Microeconomics .....	3 hours
FN3293 Fundamentals of Financial Management .....	3 hours

**Total Foundation Hours .....42 hours**

*\*Macroeconomics must be taken as a Social Science Requirement in the General Education Requirement. For CIS and Finance majors, Survey of Calculus or Calculus I must be taken as a Natural Science Requirement*

## BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

When majoring in Business Administration, students will be exposed to a broad-based curriculum that focuses on producing strong generalists in business. The Business Administration major includes 42 hours of foundation classes and 9-12 business elective classes.

Options for business electives include human resource management, real estate, advanced software applications, international business, investments, managerial accounting, taxation, promotion, small business management, consumer finance, money and banking, and computer networking.

The remaining 18-21 hour requirement allows Business Administration majors to complete a minor in another area of study. (It is not required that a student selects a specific minor.)

## BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION DEGREE REQUIREMENTS

<b>General Education Requirements</b> .....	<b>53\54 hours</b>
<i>(See Baccalaureate Degree General Education Requirements)*</i>	
<b>Business Foundation</b> (See page 63) .....	<b>42 hours</b>
<i>(See Foundation for All Business Majors)</i>	
<b>Upper Level Business Electives</b> .....	<b>9/12 hours</b>
<b>General Electives (can be taken outside the Division of Business)</b> .....	<b>18/21 hours</b>
<b>TOTAL REQUIRED HOURS</b> .....	<b>125/126 hours</b>

*Note: Any student considering a graduate degree in business is strongly urged to take a course in calculus. This course is generally a prerequisite to graduate business study, and may be used as an upper-level business or general elective.*

*\*Macroeconomics must be taken as a Social Science Requirement in the General Education Requirement.*

## BUSINESS ADMINISTRATION MINOR REQUIREMENTS (18 Hours)\*

BA 2243 Principles of Accounting I  
 BA 2253 Principles of Accounting II or BA 2323 Business Statistics  
 BA 3323 Business Communication Skills  
 BA 3223 Organizational Management  
 EC 2273 Macroeconomics  
 Upper level Business Administration or Finance elective

*\*Note: Any student wanting to complete the minor is strongly urged to discuss the requirements with the department chair. Accommodation will be given to students with course scheduling conflicts.*

## COMPUTER INFORMATION SCIENCE

The CIS program provides students with the technical skills for employment as systems analysts, software engineers, network administrators, and related professions.

The CIS program combines the business foundation classes, computer science programming languages, and system management theories to develop the necessary computer skills required for today's job market.

Current programming languages are taught, and the following required classes are offered: database management, operating systems, networking, web based design and development, and information resource management. Twenty-one hours of CIS courses are required and six hours of electives are also required.

## CIS DEGREE REQUIREMENTS

<b>General Education Requirements</b> .....	<b>53/54 hours</b>
<i>(See Baccalaureate Degree General Education Requirements)* **</i>	
<b>Business Foundation Hours</b> (See page 63) .....	<b>42 hours</b>
<i>(See Foundation for All Business Majors)</i>	
<b>Computer Information Science - [21 Hours]</b>	
CS 2133 Database Management .....	3 hours
CS 2213 Programming Language I.....	3 hours
CS 3213 Programming Language II .....	3 hours
CS 3313 Systems Analysis and Design .....	3 hours
CS 4243 Operating Systems .....	3 hours
CS 3343 Networking I .....	3 hours
CS 4113 Web Based Design and Management .....	3 hours
<b>Electives (can be taken outside Department of Business)</b> .....	<b>6 hours</b>
<b>TOTAL REQUIRED HOURS</b> .....	<b>122/123 hours</b>

*\*Students with a significant math background may elect to omit taking MT 1133 and move directly to MT 2153 or MT 2214. See advisor or department chair for details.*

*\*\*Macroeconomics must be taken as a Social Science Requirement in the General Education Requirement. For CIS and Finance majors, Survey of Calculus or Calculus I must be taken as a Natural Science Requirement.*

## CIS MINOR REQUIREMENTS [18 HOURS]

CS 2113 Management Information Science  
 CS 2213 Programming Language I  
 CS 3313 Systems Analysis and Design  
 CS 3343 Networking I  
 CS 4113 Web Based Design and Management  
 CIS Elective

## FINANCE

The Finance program emphasizes the relationship between economics, accounting, and financial decision-making. Finance graduates enter careers in corporate finance, investments, banking, real estate, and insurance. The finance program also promotes the development of entrepreneurial skills.

Students will study theories and practice skills that prepare them to become better financial stewards in their careers and personal lives. In addition to the business foundation classes, 15 hours of required courses include capital management, investments, working capital management, institutions and markets, and advanced accounting concepts. Six hours of finance electives are also required, and may be taken from subjects including small business management, international business, managerial accounting, taxation, personal finance, or real estate.

## **FINANCE DEGREE REQUIREMENTS**

<b>General Education Requirements</b> .....	<b>53/54 hours</b>
<i>(See Baccalaureate Degree General Education Requirements)* **</i>	
<b>Business Foundation Hours</b> (See page 63) .....	<b>42 hours</b>
<i>(See Foundation for All Business Majors)</i>	
<b>Finance</b>	
BA 3523 Intermediate Accounting .....	3 hours
EC 4113 Money and Banking.....	3 hours
FN 4303 Principles of Investments.....	3 hours
<b>Finance Electives [Select 12 hours from the following]</b> .....	<b>12 hours</b>
BA 3123 Consumer Finance	
BA 3513 Managerial Accounting	
BA 4123 Principles of Taxation	
BA 4343 Survey of International Business	
BA 4353 Small Business Management	
FN 3263 Principles of Real Estate	
FN 4113 Capital Management	
FN 4213 Working Capital Management	
FN 4613 Internship	
<b>General Electives (can be taken outside the Department of Business)</b> .....	<b>6 hours</b>
<b>TOTAL HOURS REQUIRED</b> .....	<b>122/123 hours</b>

*\*Students with a significant math background may elect to omit taking MT 1133 and move directly to MT 2153 or MT 2214. See advisor or department chair for details.*

*\*\*Macroeconomics must be taken as a Social Science Requirement in the General Education Requirement. For CIS and Finance majors, Survey of Calculus or Calculus I must be taken as a Natural Science Requirement.*

## **BUSINESS ADMINISTRATION COURSE DESCRIPTIONS**

### **BA 2243 Principles of Accounting I**

Introduction to Accounting theory and practice in the analysis of business transactions and recording of business data. **Fall.**

### **BA 2253 Principles of Accounting II**

Continuation of BA 2243 emphasizing the partnership and corporate forms of the business entity. Prerequisite: BA 2243. **Spring.**

**BA 2313 Business Statistics**

Introduces quantitative interpretation of data for business purposes. Includes descriptive statistics, probability theory, hypothesis testing, chi-square, and linear regression. Prerequisite: MT 1133 or higher. **Fall.**

**BA 3123 Consumer Finance**

A study of economic factors influencing consumer welfare such as banking, debt management, taxation, insurance, investments, and retirement plans. **Fall.**

**BA 3213 Principles of Marketing**

A study of the system of activities that constitute marketing: Product or service development, pricing, promotion and distribution. Emphasis is placed on the principles, policies, and strategies utilized to satisfy the needs and wants of customers. **Spring.**

**BA 3223 Organizational Behavior and Management**

Introduction to the managerial process. Topics focused on include the philosophy of management, planning, decision making, organization structure, group behavior, leadership, motivation, control, business ethics, and current management issues. **Fall.**

**BA 3233 Human Resource Management**

Study of recruitment, selection, employment, training and evaluation of human resources. Emphasizes human side of organization, personnel efficiency and productivity, individual and group labor relations. Prerequisite: BA 3223 or permission of professor. **Spring, even years.**

**BA 3283 Business Law**

Introduction to the fundamental principles of law as it applies to business. Topics include court systems, litigation, and alternative dispute resolution; constitutional and administrative law; tort law and, product liability; contract law and, agency law; business organizations; and government regulation of businesses including antitrust law, employment law, and securities regulation. **Spring.**

**BA 3323 Business Communication Skills**

Emphasize proper usage of the English language in the context of business. Preparation of business presentations, memos, letters, short reports, and resumes in a clear, concise, and correct manner. Prerequisite: EN 1123. **Spring.**

**BA 3423 Operations Management**

Study of "input-output" transformation process in public and private organizations. Planning and controlling the operational elements of this transformation process including work standards, scheduling, materials management and quality control. Prerequisite: BA 2313. **Fall.**

**BA 3513 Managerial Accounting**

Surveys cost accounting principles and methods used for planning, budgeting, and control. Introduces the use of accounting information for management decision making. Prerequisite: BA 2253. **On demand.**

**BA 3523 Intermediate Accounting**

An intensive review of the accounting process and financial statements. Topics covered include cash flow evaluations, time value concepts, working capital analysis, inventory valuation, and operational assets. Prerequisite: BA 2253. **On demand.**

**BA 4123 Principles of Taxation**

Introduction to federal income taxation and its theory and role in a modern industrialized society. Emphasis on business and investment income and deductions, property transactions, and other topics related to personal income taxation. Prerequisite: BA 2243. **On demand.**

**BA 4313 Promotion**

Surveys theories and practices in advertising and promotion. Includes a study of the inputs required to present a company and its products to prospective customers. Prerequisite: BA 3213. **Fall, odd years.**

**BA 4333 Business Ethics**

Develops decision-making criteria for Christian ethical concerns and their application to the major issues of ethical conduct in business. **Fall.**

**BA 4343 Survey of International Business**

An overview of international business practices that encompasses the functional areas of management, marketing, and finance. Economic theory and history of international trade will also be discussed. Prerequisite: EC 2273 or permission from professor. **Spring, odd years.**

**BA 4353 Small Business Management**

A study of the organization and operation of a small business with emphasis on entrepreneurial qualifications, capital requirements, promotional strategies and sources of assistance. Prerequisites: BA 2253 and BA 3223. **Fall, even years.**

**BA 4513 Individual Study**

Study in specific area of student interest. Progress is closely supervised by a faculty member.

**BA 4613 Business Internship**

Provides practical job experience in an industry or other business establishment of special vocational interest to the student. Students will be assigned to work with a regional employer and supervised by an experienced professional to gain real world training. Prerequisites: Junior or senior standing and permission from department chair. **Fall, Spring, Summer.**

**BA 4913 Business Policy**

Capstone course which integrates the various areas of business administration. Examines organizational mission, objectives, and policies. Teaching methodology includes case studies and strategic management studies. Prerequisites: Completion of ninety (90) hours of course work including BA 3213, 3223, 3283, 3293, 4333. **Spring.**

## CIS COURSE DESCRIPTIONS

### **CS 2113 Management Information Systems**

Study of the indispensable role of information systems in business operations, management decision-making and the strategic success of organizations. Goal is to help students become managerial end-users who can propose and participate developing information system solutions to business problems. **Spring.**

### **CS 2133 Database Management**

This course introduces the fundamental concepts and implementation of the relational database system. The student will be exposed to SQL methodology and Entity-Relationship models. **Spring.**

### **CS 2213 Programming Language I**

A study of programming logic, data structures, and program analysis. Topics will include screen development, report processing, data representation, debugging, and file processing. **Fall.**

### **CS 3113 Help Desk and User Support**

An exploration of the dimensions of the user support function in an organization, including response, user education, desk-top technology and tracking technologies. Prerequisite DP 2253 Microcomputer Applications I. **On demand.**

### **CS 3213 Programming Language II**

Second course in programming, emphasis on data abstraction. Introduction to abstract data types, linked lists, stacks, queues and binary tree. Searching and sorting techniques. **Spring, odd years.**

### **CS 3313 Systems Analysis and Design**

Covers the basic techniques used in the analysis, design, and implementation of computer based information systems. Provides an understanding of the systems study, project evaluation, planning, and systems design. Prerequisite: Competency in a programming language or permission from professor. **Fall, odd years.**

### **CS 3343 Networking I**

Design, construction, and maintenance of local and wide area networks. Topics include using Internet and intranet clients, servers and languages to support electronic commerce, organizational communication, team collaboration, and business education. Prerequisite: Management Information Systems. **Fall, even years.**

### **CS 4113 Web Based Design and Development**

Deals with the basic design principles of building a web page; includes complete site design, scripting languages, dynamic HTML, CGI, ASP, and similar type file creation. Also, design pages for multiple browser environments. Prerequisite: Competency in programming language. **Spring, odd years.**

**CS 4213 Networking II**

Advanced networking concepts in LAN management. Topics include: time synchronization, backup/recovery, global management, and design of local area network. Prerequisite: Networking I. **On demand.**

**CS 4223 Information Resource Management**

Examines management information technology in the modern business environment. Emphasis is placed on planning for, organizing, directing and controlling information technology to meet organizational information needs. **Fall, odd years.**

**CS 4233 Information Technology Seminar**

Intensive investigation of selected developments in computer information science and systems hardware, software, and organization having current impact on computer information science and systems design and application. Offering an extension of lower-level CIS courses through individual student research of advanced topics. Topical selection made with each course offering. Prerequisite: Programming Language I, and Systems Analysis and Design. **On demand.**

**CS 4243 Operating Systems**

Operating system design and implementation. Topics include process control and synchronization, memory management, processor scheduling, file systems, and security. Course projects implement parts of an operating system. **Spring, even years.**

**CS 4263 IT Internship**

Provides practical information technology experience in a CIS setting. Students will be assigned to work with an outside organization by the Internship Director to gain real-world training. Prerequisite: Permission from the department chair. **On demand.**

**DATA PROCESSING COURSE DESCRIPTIONS****DP 1013 Word Processing**

This course will begin with the fundamentals of mastering the computer keyboard by touch and will end with the production of documents using current word processing software. Topics covered will include memos, papers, letters, flyers, etc. **Fall, Spring.**

**DP 2253 Microcomputer Applications I**

Topics include the use of microcomputers within both a business and a personal context, including purchasing a computer, installing software, and using a computer for personal decision support. Assignments reinforce the application of computers to home and business functions; applications include Windows operating system, intermediate-level word processing, spreadsheet and database usage, electronic presentations and the Internet. **Fall, Spring.**

**DP 3113 Microcomputer Applications II**

A computer applications course providing the tools necessary for manipulating, sharing, and presenting data to support business decision making and entrepreneurship. Topical coverage

includes multiple applications linking, presentation graphics, data analysis, beginning web page design, and interoffice communications. Prerequisite: DP 2153. **Spring, even years.**

### **DP 3123 Special Problems in Data Processing**

Individual problems in data processing arranged in consultation with the instructor. **On demand.**

## **ECONOMICS COURSE DESCRIPTIONS**

### **EC 2273 Principles of Macroeconomics**

An introduction to the analysis of the aggregate economy. Emphasizes inflation, unemployment, economic fluctuations, and international trade and finance. The fiscal role of the government and the Federal Reserve System is examined from the perspective of their combined effects on the economy. **Fall.**

### **EC 2283 Principles in Microeconomics**

An introduction to microeconomic theory. Emphasizes supply and demand relationships, market structure, product and factor pricing, distribution and public finance. Develops the interrelatedness of business and economics. **Spring.**

### **EC 4113 Money and Banking**

Surveys monetary policy in theory and practice. Discusses the history of the financial intermediary. Emphasizes the role of the Federal Reserve System in controlling the money supply. Prerequisite: EC 2273, EC 2283, FN 3293, and MT 2153 or MT 2214. **Spring, even years.**

## **FINANCE COURSE DESCRIPTIONS**

### **FN 3263 Principles of Real Estate**

Study of deeds, titles, liens, leases, real estate markets, advertising, appraisals, regulatory environment, taxes and assessments, and the real estate cycle. **On demand.**

### **FN 3293 Fundamentals of Financial Management**

An introduction to financial analysis, planning, and control. Includes the study of financial statements, cash flows, working capital and budgeting. Prerequisite: BA 2253, BA 2313, and EC 2273 or EC 2283. **Fall.**

### **FN 4113 Capital Management**

Analysis of the management aspects relating to the inflows and outflows of permanent capital in business enterprises. Examines the management of long-term assets, long-term credit, equity and internal financing. Prerequisite: FN 3293. **On demand.**

### **FN 4213 Working Capital Management**

A short-term financial management course that focuses on cash management. The study of cash management includes material on financial institutions, payments systems, forecasting, short-term investments, borrowing, collection systems, bank products, electronic commerce, financial risk management, and international cash management. Prerequisite: FN 3293. **On demand.**

**FN 4303 Principles of Investments**

Surveys investment risk and return principles. Develops portfolio policies for individual and institutional investors. Explains role of the investment markets and the participants within those markets. Prerequisite: FN 3293. **Spring, odd years.**

**FN 4613 Internship**

Provides practical job experience in the financial service industry. Students will be assigned to work with a regional firm, and supervised by an experienced professional to gain real world training. Prerequisites: Junior or senior standing and permission from department chair. **On demand.**

## DEPARTMENT OF CHRISTIAN MINISTRIES

**Biblical Studies, Religious Education, Youth Ministry, Ancient Languages,  
Missions, Philosophy**

### *Division of Arts and Sciences*

*Ken Gore, H. E. Williams Professor of Religion, Chair*

*Robert Foster*

*Walter Norvell*

Using the Departmental outcomes of *Orthodoxy (right doctrine)*, *Orthopraxy (right practice)* and *Orthopathy (right passion)*, courses in this department are designed to introduce the student to the historical, cultural, and social world of the Bible, to equip the student with the necessary skills to understand the message of the Bible, to introduce the student to critical philosophical and theological issues, and to enable the student to engage in competent expressions of Christian Ministry.

All students, regardless of degree, are required to take courses in Biblical Studies for graduation (*see Baccalaureate Degree General Education Requirements*). Transfer students may present acceptable equivalent courses.

Christian Ministries students must have at least 45 hours of upper-level credit within their approved degree plan. Before graduation, all Christian Ministries Degree recipients must complete the departmental exit interview. Full details will be given to the student during the student's final semester.

The department offers the baccalaureate degree in Christian Ministries as well as minors in Christian Ministries, Religious Education, Bible, Youth Ministry, and Missions.

## BACHELOR OF ARTS DEGREE IN CHRISTIAN MINISTRIES

The Christian Ministries program is designed to meet the varied needs of churches and of those who serve them as pastors, educational directors, and youth directors. It is built around a core of solid courses in general education, Bible study, theology, and practical studies which address the knowledge and skills essential to an effective ministry in the church. The program is flexible enough to offer various possibilities for specialization, with degree plans that prepare students for further educational preparation at a seminary or in graduate school, or that equip a student for a variety of ministries in the local church.

## BACHELOR OF ARTS IN CHRISTIAN MINISTRIES DEGREE REQUIREMENTS

### **General Education Requirement**

*(See Baccalaureate Degree General Education Requirement)* .....53/55 hours

### **Christian Ministry Core Requirements**

(All Christian Ministry majors at Williams Baptist College, regardless of specialization, are required to take Christian Ministry Core Requirements.)

RL 2113 Introduction to Christian Ministry .....3 hours

RL 2143 Biblical Interpretation for Preaching and Teaching.....3 hours

Either RL 2153 Evangelism

or PH 2253 Philosophy .....	3 hours
Either RE 2113 Introduction to Religious Education	
or RE 3153 Church Administration .....	3 hours
Either RL 3153 Church History, RL 3163 Baptist History,	
or RL 3123 Christian Doctrine .....	3 hours
RL 4003 Supervised Ministry .....	3 hours
<b>Total</b>	<b>18 hours</b>

## DEGREE SPECIALIZATIONS

The Christian Ministries degree program core requirements provide students with the opportunity to become equipped for a broad range of ministerial vocations. Williams provides students with the opportunity to prepare for a number of possible avenues for future ministry. Students may choose from one of five areas of specialization, depending on their future educational and ministerial goals.

### BACHELOR OF ARTS IN CHRISTIAN MINISTRIES: BIBLICAL-THEOLOGICAL STUDIES

This degree specialization provides for the broadest range of future educational and ministerial opportunities. This program serves to prepare for future study in seminary or graduate school and equips those who are preparing for pastoral ministry but are not planning on attending seminary. It also prepares for a broad set of possible ministerial vocations and is thus appropriate for students who feel called of God to serve as ministers, but are not yet certain as to the specific type of ministry. This degree is designed to prepare students to enter Christian ministry immediately upon graduation or to serve as a seminary preparation degree.

#### General Education Requirement

*See Baccalaureate Degree General Education Requirement* .....53/55 hours

#### Christian Ministries Core Requirements

*See Christian Ministry Core Requirements.* ..... 18 hours

#### Biblical-Theological Studies - [15 hours]

Upper Level Biblical Studies

[One Old Testament; one New Testament] .....6 hours

Upper Level Theology or Ministry Studies .....6 hours

Upper Level Biblical, Theology, or Ministry Studies.....3 hours

**Minor** ..... 18 hours

**General Electives**.....20 hours

**Total**      **124/126 hours**

## **BACHELOR OF ARTS IN CHRISTIAN MINISTRIES: BIBLICAL-LINGUISTIC STUDIES**

While any of Williams Christian Ministry degree plans prepares the student for entry into Seminary, some Seminary programs emphasize studies in New Testament Greek and urge students to take basic elementary Greek at the college level. The Biblical-Linguistic degree specialization is designed for those who are planning to enter a seminary for a master's degree training for ministry that includes a study of the biblical languages. This degree specialization is also appropriate for the student who plans to enter into pastoral ministry immediately upon graduation but seeks some familiarity with biblical languages.

### **General Education Requirement**

*See Baccalaureate Degree General Education Requirement* .....53/55 hours

### **Christian Ministries Core Requirements**

*See Christian Ministry Core Requirements* ..... 18 hours

### **Biblical-Linguistic Specialization - [21 hours]**

Upper Level Biblical Studies

[One Old Testament; one New Testament] .....6 hours

Upper Level Theology or Ministry Studies .....3 hours

New Testament Greek.....6 hours

Biblical Hebrew or Intermediate Greek .....6 hours

**Minor** ..... 18 hours

**General Electives**..... 14 hours

**Total**      124/126 hours

## **BACHELOR OF ARTS IN CHRISTIAN MINISTRIES: YOUTH MINISTRY**

This degree specialization is designed for those students who are confident that God has called them into youth ministry. While all specializations prepare students for ministry, this degree program includes courses specifically targeting youth ministry.

### **General Education Requirement**

*See Baccalaureate Degree General Education Requirement* .....53/55 hours

### **Christian Ministry Core Requirements**

*See Christian Ministry Core Requirements* ..... 18 hours

### **Youth Ministry Specialization - [18 hours]**

Upper Level Biblical Studies

[One Old Testament; one New Testament] .....6 hours

Upper Level Theology or Ministry Studies .....3 hours

RE 4113 Introduction to Youth Ministry .....3 hours

RE 3113 Faith Development.....3 hours

Psychology .....3 hours

(Select from PY 3123, PY 3253, PY 3233)

**Minor**..... 18 hours

<b>General Electives</b> .....	17 hours
<b>Total</b>	<b>124/126 hours</b>

### **BACHELOR OF ARTS IN CHRISTIAN MINISTRIES: RELIGIOUS EDUCATION**

This degree specialization is designed for those students who are confident that God has called them into the educational ministry. While all religion degrees prepare students for ministry, this degree program includes courses specifically targeting educational ministry.

#### **General Education Requirement**

*See Baccalaureate Degree General Education Requirement* .....53/55 hours

#### **Christian Ministry Core Requirements**

*See Christian Ministry Core Requirements* ..... 18 hours

#### **Religious Education Specialization - [18 hours]**

Upper Level Biblical Studies

[One Old Testament; one New Testament] .....6 hours

Upper Level Theology or Ministry Studies .....3 hours

Religious Education .....6 hours

Psychology .....3 hours

(Select from PY 3113, PY 3123, PY 3253, PY 3243 or PY 3233)

**Minor** ..... 18 hours

**General Electives**..... 17 hours

<b>Total</b>	<b>124/126 hours</b>
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### **BACHELOR OF ARTS IN CHRISTIAN MINISTRIES: CHRISTIAN MISSIONS**

This degree specialization is designed for those students who are confident that God has called them into Christian missions. While all specializations prepare students for ministry, this degree program includes courses specifically targeting Christian missions.

#### **General Education Requirement**

*See Baccalaureate Degree General Education Requirement* .....53/55 hours

#### **Christian Ministry Core Requirements**

*See Christian Ministry Core Requirements* ..... 18 hours

#### **Christian Missions Specialization - [19 hours]**

Upper level Biblical Studies

[One Old Testament; one New Testament] .....6 hours

Upper level Theology or Ministry Studies.....3 hours

RL 3313 Missiology .....3 hours

RL 2001-3 Missions Practicum .....4 hours

(See course description)

Psychology/Sociology.....	3 hours	
(Select from PY 3123, PY 3223, PY 3243, SC 3323, or SC 4113)		
<b>Minor</b> .....	18 hours	
<b>General Electives</b> .....	16 hours	
		<b>Total     124/126 hours</b>

### MINORS IN CHRISTIAN MINISTRIES

Because God's calling reaches beyond the scope of traditional church staff positions, some students may wish to pursue other academic majors yet have some Christian Ministries foundation in their curriculum. For these students, the Department of Christian Ministries offers a choice of five minors.

#### Minor in Christian Ministries

RL 2113 Introduction to Christian Ministry .....	3 hours	
RL 2143 Biblical Interpretation .....	3 hours	
Biblical Studies (other than RL 1113 or RL 1123).....	3 hours	
Biblical, Theological, Ministry, or Religious Education Studies .....	9 hours	
		<b>Total     18 hours</b>

#### Minor in Religious Education

RE 2133 Introduction to Religious Education .....	3 hours	
RL 2113 Introduction to Christian Ministry .....	3 hours	
RL 2143 Biblical Interpretation .....	3 hours	
Religious Education courses .....	9 hours	
		<b>Total     18 hours</b>

#### Minor in Bible

RL 2113 Introduction to Christian Ministry .....	3 hours	
RL 2143 Biblical Interpretation .....	3 hours	
Biblical Studies (other than RL 1113 or RL 1123).....	3 hours	
Theological Studies.....	9 hours	
		<b>Total     18 hours</b>

#### Minor in Youth Ministry

RE 1133 Principles of Church Recreation <i>or</i>		
RE 2133 Introduction to Religious Education <i>or</i>		
RL 2153 Evangelism.....	3 hours	
RL 2113 Introduction to Christian Ministry .....	3 hours	
RL 2143 Biblical Interpretation .....	3 hours	
RE 3133 Faith Development.....	3 hours	
RE 4113 Introduction to Youth Ministry.....	3 hours	
RE 3163 Principles of Christian Teaching <i>or</i>		
RL 3243 Sermon Preparation and Delivery .....	3 hours	
		<b>Total     18 hours</b>

**Minor in Missions**

RL 2113 Introduction to Christian Ministry .....	3 hours
RL 2143 Biblical Interpretation .....	3 hours
RE 2133 Introduction to Religious Education <i>or</i>	
RL 2153 Evangelism.....	3 hours
RE 3163 Principles pf Christian Teaching <i>or</i>	
RL 3243 Sermon Preparation and Delivery.....	3 hours
RL 3313 Missiology .....	3 hours
RL 2001-3 Summer Missions Practicum.....	3 hours
<b>Total</b>	<b>18 hours</b>

**ASSOCIATE IN ARTS: THEOLOGY**

The Associate in Arts in Theology degree program, instituted in the fall of 1980, is designed for the needs of the more mature student who by reason of age and responsibilities needs a course of study more immediately relevant to the needs of the church field. The program consists of a total of 66 semester hours with a heavy concentration in religious studies ranging from a Biblical and doctrinal content to practical and administrative concerns.

This program is not intended as a substitute for a bachelor's degree or seminary training but provides a viable option for certain students. Since this is a terminal degree and as such is not transferable, those anticipating entering a bachelor's degree program are advised to consider another program.

The various courses in this program are open to all, but students should note that some of these courses may not readily apply to a baccalaureate degree.

**General Requirements – [18 Hours]**

EN 1113-1123 English Composition I and II .....	6 hours
HT 1113 or 1123 Western Civilization.....	3 hours
HT 2233 or 2243 U.S. History.....	3 hours
PY 3233 Introduction to Counseling Psychology.....	3 hours
SC 3283 Marriage and the Family .....	3 hours

**Religion Requirements - Group I - [18 Hours]**

RL 1113 Bible History and Interpretation .....	3 hours
RL 1123 Bible History and Interpretation .....	3 hours
RL 2113 Ministerial Orientation.....	3 hours
RL 2143 Biblical Interpretation for Preaching and Teaching.....	3 hours
RL 3123 Christian Doctrine or RL 3153 Church History.....	3 hours
PH 3253 Ethics .....	3 hours

**Religion Requirements - Group II - [24 Hours]**

RL 2133 Intro Religious Education .....	3 hours
RL 2153 Evangelism.....	3 hours
RL 3113 Music and Worship.....	3 hours
RL 3243 Sermon Preparation and Delivery <i>or</i>	
RL 3163 Principles of Christian Teaching.....	3 hours

Old Testament Biblical Studies .....	6 hours
New Testament Biblical Studies.....	6 hours
<b>General Electives</b> .....	6 hours
<b>Total</b>	<b>66 hours</b>

## BIBLICAL STUDIES COURSE DESCRIPTIONS

### **RL 1113 Bible History and Interpretation-Old Testament**

A narrative study of the historical background and literature of the Old Testament. The material is presented with the clear intention of enabling the student to make moral and spiritual application. **Fall, Spring.**

### **RL 1123 Bible History and Interpretation-New Testament**

A narrative study of the historical background and literature of the New Testament, including the Intertestamental Period, the life of Christ, and the early church. The material is presented with the clear intention of enabling the student to make moral and spiritual application. **Fall, Spring.**

### **RL 3143 Old Testament Studies: The Writing Prophets**

An exegetical and theological study of the times, life, and thought of the writing prophets, with a detailed exegesis of selected passages or books. Prerequisite: RL 1113 or consent of the instructor. **On demand; Summer.**

### **RL 3253 New Testament Studies: Life of Christ**

A study of the life, ministry, and teaching of Jesus, including an examination of contemporary critical issues. Prerequisite: RL 1123 or consent of the instructor. **Spring, odd years.**

### **RL 3263 New Testament Studies: The Pauline Epistles**

A historical and theological study of the life, ministry and letters of Paul, including a detailed exegesis of selected passages. Prerequisite: RL 1123 or consent of the instructor. **Spring, even years.**

### **RL 3273 New Testament Studies: Selected Books**

A historical and theological study of one subdivision of the New Testament, such as the Synoptic Gospels, the General Epistles, or the Revelation, including a detailed exegesis of selected passages. Prerequisite: RL 1123 or consent of the instructor. **On demand.**

### **RL 3283 Old Testament Studies: Selected Books**

A historical and theological study of one subdivision of the Old Testament such as the Monarchical period, the Wisdom Books, or the post-exilic period, including a detailed exegesis of selected passages. Prerequisite: RL 1113 or the consent of the instructor. **On demand.**

### **RL 4113 Old Testament Studies: The Poetry of the Old Testament**

An exegetical, theological, and devotional study of selected or books of poetry, with an emphasis upon their place in the life of the Hebrew people, and with a detailed exegesis of selected passages. Prerequisite: RL 1113 or consent of instructor. **Fall, odd years.**

**RL 4123 Old Testament Studies: Pentateuch**

An exegetical and theological study of the history and religion of Israel as expressed in the Pentateuch, with a detailed exegesis of selected passages. Prerequisite: RL 1113 or consent of the instructor. **Fall, even years.**

**RL 4223 New Testament Studies: Johannine Literature**

A historical and theological study of the life, ministry and writings of John, including a detailed exegesis of selected passages. Prerequisite: RL 1123 or consent of the instructor. **On demand; Summer.**

**MINISTRY COURSE DESCRIPTIONS****RL 2001-3 Summer Missions Practicum**

Provides supervision and evaluation of a student in a missions setting, focused particularly upon preparation for missions experience. While the majority of the course setting is on the mission field, the student will receive training in a classroom setting. Earned credit dependent upon length of missions project. May be repeated for credit. **Summer.**

**RL 2113 Introduction to Christian Ministry**

An introduction to the issues related to ministry including basic discipleship, the minister's call, leadership, and the relationship between ministers and their congregation and other denominational agencies. Recommended to be taken during the Freshman/Sophomore year. **Fall.**

**RL 2143 Biblical Interpretation for Preaching and Teaching**

A study of the main methods of biblical interpretation as applied to the distinct literary genres of the Bible--narrative, poetry, prophecy, law, wisdom, Gospel, letter, and apocalyptic--and application of this study in formulating a biblical theology to be expressed in a contemporary context through preaching and teaching. **Spring.**

**RL 2153 Evangelism**

A study of the principles and practices of evangelism in light of the New Testament. The roles and responsibilities of both individuals and churches in evangelism are stressed, and attention is given to designing and adapting programs and procedures. **Spring.**

**RL 3113 Music and Worship**

A study of the meaning of worship and the role of music in worship with an emphasis on relating music to the total ministries of the church. Students are introduced to the church music program of the local church and denomination, to basic hymnology, and the basic elements of hymn directing. **Spring, odd years.**

**RL 3243 Sermon Preparation and Delivery**

A study of the various methods of sermon building and the most effective means of communicating the Christian message from the pulpit. Prerequisite: RL 2143. **Spring, odd years.**

**RL 3313 Missiology**

A study of the modern missions movement with an emphasis on the pragmatic approach to missions. Students are introduced to a brief history of missions, the work of the local church and denomination in missions, and the basic strategies of a missionary. Prerequisite: RL 2153 or consent of the instructor. **Spring, odd years.**

**RL 4003 Supervised Ministry**

Provides supervision and evaluation of a student in a ministry setting, focused particularly on ministerial skills, consistency of theological doctrine, and the personhood of the minister.

**Prerequisite: Senior standing. Fall.**

**RL 4006 Supervised Hospital Ministry**

A supervised practicum designed to help students in religion to increase proficiency in interpersonal skills and ministry in a hospital environment. The course is offered at Baptist Medical Center, Little Rock, AR. **Prerequisite: Junior standing and Department approval.**

**RL 4013 Pastoral Ministry**

A practical study of pastoral leadership, focusing attention upon life of the minister from the call to a church to the conclusion of a pastorate and subsequent life and service. **Fall, even years.**

**THEOLOGY COURSE DESCRIPTIONS****RL 3123 Christian Doctrine**

A study of the great doctrines of the Bible, with particular attention given to the doctrines of God, man, sin, salvation, Christ, the church, and last things. **Spring, odd years.**

**RL 3133 Church History**

A Survey of the history of Christianity from its founding and early development to the present, with primary emphasis upon theological developments and the church's impact upon world civilization. (This course does *not* satisfy General Education history requirements.) Prerequisite: Western Civilization recommended. **Fall, odd years.**

**RL 3163 Baptist History**

An examination of the history and heritage of the Baptist denomination from the English Baptists of the early seventeenth century to the creation and development of the Southern Baptist Convention. **Fall, even years.**

**RL 3213 Basic Christian Ethics**

An introduction to the study of moral philosophy. Attention is given in the first half of the course to the construction of a personal ethic, through the insight of various philosophical methodologies. The second half of the course speaks of the Christian perspective in this construction, through the use of the Bible and Christian ethicists. The student is equipped to deal with the ethical aspects of Christian character in understanding various contemporary concerns. **Spring, even years.**

**RL 4133 Old Testament Theology**

A study of the thought of the Old Testament in its historical setting, with attention being given to the concrete situation in which its ideas emerged and to which these ideas were related. Attention is focused on those elements of revelation which were given to Israel during the period of the Old Testament. Consideration is given to the questions of unity, levels of development, permanent value, and the place of the Old Testament in the total scheme of revelation. Prerequisite: RL 1113 and RL 3123 or consent of the instructor. **On demand; Summer.**

**RELIGIOUS EDUCATION COURSE DESCRIPTIONS****RE 1133 Principles of Church Recreation**

An introduction to the interpretation, objectives, history, and philosophy of recreation in the church and its relationship and contribution to the total church ministry. An investigation of leisure and a survey of the various areas of church recreation are included. **On demand; Summer.**

**RE 2133 Introduction to Religious Education**

An introduction to the aims, methods and principles of Christian education, with special note given to Southern Baptists in the field. Includes practice in planning the religious educational activities of the rural church. **Fall.**

**RE 3133 Faith Development in Children and Youth**

An examination of issues, principles, and methods utilized in the conversion and spiritual development of children and youth with emphasis given to preparation for ministry with children and youth in the local church. **Spring, odd years.**

**RE 3153 Church Administration**

A study of administration procedures and principles in the local church. Consideration is given to such matters as duties and relationships of church offices, committees and staff members, constitutions and by-laws, and budgeting. **Spring, even years.**

**RE 3163 Principles of Christian Teaching**

A study of the practice of Christian teaching in the local church: how to write a lesson plan, how to prepare for a teaching session, how to teach a lesson, how to evaluate the learning outcomes. The course will focus on teaching to the cognitive, affective, and psycho-motor domains, learning styles, learning environment, and the role of the Holy Spirit in Christian teaching. **Fall, odd years.**

**RE 4113 Introduction to Youth Ministry**

An introductory study in the historical development of youth ministry with a critical emphasis in the formation of a Biblical theology and philosophy of ministry to adolescents. Attention will be given to the related study of contemporary postmodern culture, understanding the unique needs of adolescents, and the application of basic programming models of ministry to youth in grades 6-12. **Spring, even years.**

**RE 4123 Advanced Youth Ministry**

This course is an advanced study in the Biblical theology and philosophy of youth ministry. Special attention will be given to educational methods of spiritual formation in adolescents and management principles of youth ministry. In addition, the course will focus on the critical ministry strategies of leadership development, ministry praxis, and related special issues in youth ministry. Prerequisite: RE 4113. **On demand.**

**SPECIAL STUDIES COURSE DESCRIPTIONS\*****RL 4513 Special Studies in Religion**

Selected topics of interest in the area of religion. May be repeated for credit. **On demand.**

*\*Counted only as Religion elective.*

**ANCIENT LANGUAGES****LG 2213-2223 Elementary New Testament Greek**

Intensive study of elementary Greek grammar, syntax, vocabulary, and translation, with selected readings from the Greek Testament during the second semester. Two semesters. Prerequisite: sophomore standing or consent of the instructor. **Begins in the fall of even years.**

**LG 3213-3223 Intermediate New Testament Greek**

After a brief review of elementary grammar and syntax, a comprehensive and more exhaustive survey of the chief features of the grammar and syntax of the Greek Testament is undertaken, using selected and extensive readings in the Greek Testament. Two semesters. Prerequisite: LG 2213-2223. **Begins in the fall of odd years.**

**LG 3313-3323 Biblical Hebrew**

An intensive study of the Hebrew language, covering grammar, syntax, vocabulary, and translation, with selected readings from the Hebrew Old Testament during the second semester. **Begins in the fall of odd years.**

**PHILOSOPHY COURSE DESCRIPTIONS****PH 2253 Introduction to Philosophy**

An introduction to the field of philosophy, its methods, and its problems. A study of the most prominent philosophical systems of the past and present. **Fall.**

**PH 3253 Basic Christian Ethics**

An introduction to the study of moral philosophy. Attention is given in the first half of the course to the construction of a personal ethic, through the insight of various philosophical methodologies. The second half of the course speaks of the Christian perspective in this construction, through the use of the Bible and Christian ethicists. The student is equipped to deal

with the ethical aspects of Christian character in understanding various contemporary concerns.  
**Spring, even years.**

## DEPARTMENT OF EDUCATION

### *Division of Professional Studies*

*Brad Baine, Chair*

*Ann Burrow*

*Betty Neeley*

*Nedra Nichols*

*David Tackett*

*Charlotte Wheelless*

The Department of Education offers courses and field experiences that provide opportunities for conceptual development based on findings from both historical and contemporary research, best practices, teacher effectiveness studies that model appropriate interactions and methods of establishing relevant relationships. The Department of Education and the Williams Teacher Education Program (WTEP) offer preparation of excellent quality to individuals who demonstrate sufficient interest and potential for teaching. The WTEP's philosophy is consistent with Williams' institutional motto: Educate, Equip, and Enrich for Christ, and it is founded in the belief that each teacher candidate, through sequential, and systematic preparation, becomes a *professional educator who effectively communicates, integrates, and cares.*

Appropriate experiences that meld educational and developmental theory with professional practice for effective teaching ensure that teacher candidates begin to construct an understanding of the performances, dispositions, and knowledge base that are prerequisite to success in the education profession.

In compliance with state and federal law, the Williams Teacher Education Program provides full disclosure of key program characteristics. These characteristics and summaries reflect the most recent reporting period, the *Academic Year 2009-2010*.

During the reporting period: 11 WTEP completers passed the state mandated examinations (Praxis I/II). Williams reported a 100% pass rate on the Basic Skills/Professional Knowledge/Content Areas sections of the required examinations. **(NOTE: For ALL education majors, passing the Praxis II examination(s) is a requirement for completion of the WTEP. More information on WTEP policies involving standardized tests may be found in the following discussion of program requirements.)**

Other important program characteristics are available in the *Williams WTEP Facts* appendix. Information is provided in this section concerning the demographics of the WTEP.

## BACHELOR OF SCIENCE IN EDUCATION

Degree requirements are planned to prepare well-qualified applicants for positions of leadership in the field of education. The WTEP offers a Bachelor of Science in Education (BSE) that qualifies the graduate for Arkansas Department of Education Licensure. Possible licensure areas offered in the WTEP are: P-4 Early Childhood; 4-8 Middle Level Language, Literature, and Social Studies; 4-8 Middle Level Mathematics and Science; P-12 Art; P-12 Physical Education; P-12 Music; Secondary Social Studies; and Secondary English.

All programs in the WTEP are substantive because each has a strong liberal arts foundation. Each program begins with general education requirements that are organized to cultivate teacher candidates' understanding, experience, and ability to process information from a broad range of

disciplines. An introductory education course initiates the teacher candidates' field experiences in area schools. For teacher candidates who demonstrate sufficient interest and potential for teaching, field experiences continue as does advanced course work. Specialization courses expand both specific content knowledge and pedagogical skills while the professional requirements are constructed for all teacher candidates to develop and refine their knowledge and application skills in the areas of education history, theory, current practice, pedagogy, and curriculum. The WTEP preparation culminates with a semester of directed student teaching. WTEP candidates are placed in selected partnership schools that provide continuity and compatibility with WTEP's philosophy, mission, and preferred practices.

## **NEW POLICY GATES**

### **Beginning Fall 2009 – All Education Majors (Freshmen-Seniors)**

Students beginning at Williams who desire to seek admission into the Williams Teacher Education Program (WTEP) must complete at least forty-five semester hours and earn a minimum grade of "C" in the following courses: English Composition I and II, Speech and Communication, College Algebra or Contemporary Math, and Introduction to Teaching.

**All students must take Introduction to Teaching at Williams.** Furthermore, all students enrolled in Introduction to Teaching **are required** to take all three parts of the Praxis I. (Students beginning as freshmen at Williams are encouraged to take Introduction to Teaching during the first semester of their sophomore year.) Transfer students with an AA degree or junior status must take Introduction to Teaching and all three parts of the Praxis I during their first semester at WBC. Transfer students without an AA degree will be counseled individually about when to take Introduction to Teaching. Regardless, all transfer students will ultimately be required to complete the same basic requirements and steps as outlined for entering freshmen.

Students desiring to declare themselves as WTEP candidates must complete the appropriate Declaration Form and submit the form to the Department of Education/WTEP office.

### **GATE 1**

Students must pass all three parts of Praxis I and have official scores on file in the Education Office prior to proceeding with WTEP program candidacy.

### **GATE 2**

Once Praxis I has been passed and all prerequisites for screening have been met, students may apply to be screened for admission into the WTEP. (These requirements are listed in the Introduction to Teaching Handbook and are available from the respective advisors and the Education Office.) Students may apply to be screened as early as the second semester of their sophomore year but are encouraged to apply no later than the second semester of their junior year. Screening application materials, including official Praxis I scores, must be submitted on or before the application deadline. Interviews will take place during October and April of each year.

Departments will be responsible for monitoring their teacher candidates and submitting disposition forms to the Education Office. Once a student is admitted into the WTEP, the

respective department will complete two disposition forms for that student per semester. The department chair will review the disposition forms each semester and submit copies of these forms to the Education Office. Should a problem arise with a candidate, the department chair and other members of the department will meet with the candidate and address the situation.

### **GATE 3**

Admission to ED 4113 Study of the School and ED 4133 Measurement and Evaluation will be allowed only after the student has been admitted into the WTEP and has met all GPA and departmental requirements (**at least a grade of “C” in any specialization course, pre-professional course, and professional course already completed.**) An official recommendation form for each candidate will be completed by the respective department chair and sent to the Education Office. Teacher candidates will not be allowed to enroll in these two courses until such a recommendation has been made.

### **GATE 4**

Teacher candidates must take all required Praxis II content tests, *and submit official scores for the same*, and complete all departmental requirements, including **\*general education requirements, specialization requirements, pre-professional requirements, and professional requirements** with at least a grade of “C” prior to enrolling in Directed Student Teaching. **\*(The only general education requirements that must be completed with at least a grade of “C” are English Composition I and II, Speech and Communication, and College Algebra or Contemporary Math.)**

### **GATE 5**

Teacher candidates must take the Praxis II PLT, *and submit official scores for the same*, and fulfill Directed Student Teaching requirements to graduate.

### **GATE 6**

Teacher candidates must pass all Praxis II tests to apply for initial licensure and to be considered a WTEP *Program Completer*.

### **GATE 7**

Praxis III must be passed to apply for standard licensure. (This is supervised by the Arkansas Department of Education.)

## **WILLIAMS TEACHER EDUCATION PROGRAM ADMISSION REQUIREMENTS**

### **P-4 Early Childhood, 4-8 Middle Level Language, Literature, and Social Studies, 4-8 Math and Science, P-12 Art, P-12 Music, P-12 Physical Education, and Secondary English and Secondary Social Studies**

Students seeking admission into the Williams Teacher Education Program must fulfill the following criteria:

1. (a) Have completed 45 semester hours, 12 of which must have been completed at Williams Baptist College. Included in these 45 semester hours must be EN1113,

EN1123, SP2183, MT1123 (only if Math ACT score is less than 19) and MT1133 or MT1153. Minimum grade for each of these courses is a “C.”

(b) All program candidates complete ED2203 Introduction to Teaching with a minimum of a 2.00 (4.00 scale).

2. Have a grade point average (GPA) of 2.50 (4.00 scale) at time of admission request.
3. Satisfy the Arkansas Department of Education minimum score requirements on *Praxis I: Pre-Professional Skills Test*. Williams complies with the Arkansas Department of Education’s minimum score requirements on each test. See the Department of Education/WTEP office for current score requirements. An official record of these scores must be in the Williams Baptist College Registrar’s Office before the time of admission request.
4. Demonstrate communication skills by expressing personal observations and expectations concerning education. This requires an autobiographical sketch, a portfolio, two letters of recommendation delivered to the Department of Education, and an interview with the WTEP Admission Committee.

A disposition form will be completed by the respective chair on each teacher candidate requesting admission to Williams Teacher Education Program. A copy of the disposition form can be found in the Introduction to Teaching Handbook.

After the criteria and procedures listed above have been met, the Teacher Education Admission Committee will inform each applicant in writing of admission into the Teacher Education Program.

An appeal process exists. Information concerning the appeal process is available in the Department of Education/WTEP office. A student may initiate an appeal at any point in the program.

*The Williams Teacher Education Program Admission Committee schedules interview dates once each semester. Materials should be delivered to the WTEP Coordinator on or by the posted deadline. An interview date and time will be scheduled by the WTEP coordinator. It is the responsibility of the applicant to confirm the interview date and time with the WTEP coordinator.*

## **TEACHER EDUCATION PROGRAM RETENTION PROCEDURES**

Once a teacher candidate has met the criteria for admission and has received written confirmation of WTEP acceptance, he or she will continue to advance in the program if the following criteria are met:

1. Voluntary and continued enrollment and satisfactory participation in upper-level course work at WBC that moves the teacher candidate toward fulfilling the degree requirements of a Bachelor of Science in Education in his or her respective program.
2. Maintain a C or above in each required specialization, pre-professional, and professional course.
3. Adherence to WBC and WTEP policies for teacher candidates while engaged in field experiences.

4. Consultation with an education faculty advisor in the WTEP is necessary to assess status and progress toward program completion. One session each semester is required. Additional sessions may be scheduled as deemed necessary.

### **TEACHER EDUCATION DISMISSAL PROCEDURES**

Dismissal of a teacher candidate from the WTEP is a result of the WTEP Admission Committee's recommendation. Steps preceding the recommendation include one or more conferences with the teacher candidate in question based on the following conditions:

1. A teacher candidate requests withdrawal from the WTEP.
2. An unfortunate condition of physical or emotional health or disease that would prevent a teacher candidate from the normal day-to-day process of completing course work and participating in activities related to teaching. In this event, the student would be advised to redirect his/her abilities to another field or be advised to postpone the acquisition of a degree in education until such condition did not exist.
3. A teacher candidate demonstrates unsatisfactory personal or professional behavior and/or unsatisfactory professional development as required and expressed in the WTEP's philosophy, goals, and objectives.
4. Conduct that is inconsistent with Williams stated behavioral standards and/or a felony conviction.

### **DIRECTED STUDENT TEACHING ADMISSION REQUIREMENTS**

Once a student has met and received written confirmation from the WTEP Admission Committee, he or she will continue to advance toward Directed Student Teaching (DST).

Criteria are:

1. Maintain a C or above in each required specialization, pre-professional, and professional courses.
2. Twenty-one hours of specialization courses in the respective degree program should be completed at Williams Baptist College and prior to Directed Student Teaching admission.
3. The Praxis II: Content Assessment(s) must be taken but not necessarily passed before the student teaching experience. Williams complies with the Arkansas Department of Education's minimum score requirements of each test. Students must request that an institutional copy of the official score report be sent directly to Williams Baptist College. DST is not permitted until official Praxis II Content Knowledge scores are received in the Department of Education/WTEP office.

### **WILLIAMS TEACHER EDUCATION PROGRAM EXIT REQUIREMENTS**

Teacher candidates who fulfill the following requirements will receive a Bachelor of Science in Education from Williams Baptist College:

1. Meet admission requirements and course work requirements outlined in the *Williams Baptist College Catalog*.

2. Fulfill each criterion of WTEP Admission Requirements, WTEP Retention Procedures, and WTEP Directed Student Teaching Admission Requirements.
3. Successfully complete a semester of Directed Student Teaching as described in the respective Professional Requirements sections of this catalog.
4. Submit official Praxis II PLT scores (those required by ADE for the area of certification) to the Registrar's office by the last day of finals prior to spring graduation. **STUDENTS ARE REQUIRED TO ENSURE THE TIMELY SUBMISSION OF THE REQUIRED SCORES TO THE REGISTRAR'S OFFICE.**  
**\*\*As of Spring 2004 ALL WTEP students will be required to take the appropriate PLT sections of Praxis II in order to qualify for graduation. If a student does not achieve the state mandated score for passing, that student will be required to sign a warning letter acknowledging that failure to achieve a passing score on Praxis II precludes them from receiving initial licensure from ADE. Students will be required to sign the warning letter in the presence of an official school representative. Once the letter is signed and filed, the student may receive a diploma. (Subsequently, the student may retake the exam and reapply.)**
5. Complete and file a Williams Baptist College Intent to Graduate form by prescribed date in the current WBC catalog.
6. Satisfy all Williams Baptist College financial obligations.
7. Successfully pass the English Proficiency Examination as well as all other Williams Baptist College requirements as stated in the catalog.
8. File an application form with Williams Baptist College to request Arkansas Teacher Licensure. (No application for Arkansas Teacher Licensure may be submitted prior to receipt of official Praxis II scores.) WTEP completers can be recommended for the Initial Arkansas License. Students who have not successfully passed the Praxis II Content and PLT test can be recommended for a one year, non-renewable provisional Arkansas License. WTEP completers are defined as teacher candidates who have completed all degree requirements and passed all Praxis II tests as required by the Arkansas Department of Education.

**BACHELOR OF SCIENCE IN EDUCATION:  
P-4 EARLY CHILDHOOD EDUCATION**

**General Education Requirement**

*(See Baccalaureate Degree General Education Requirement)*..... 54/58 hours

**(Students earning this degree must take GT 2263 American Government and PY 1113 General Psychology to satisfy the social science requirement, MT 1123 Intermediate Algebra (only if Math ACT score is less than 19) and MT1133 College Algebra or MT 1153 Contemporary Math and, PE2213 Health and Safety, along with 2 hours of activity, to satisfy the physical education requirement, and AR 2143 Art Appreciation and MU 2143 Music Appreciation to satisfy the humanities electives.)**

**Specialization Requirements - [31 hours (21 of which must be taken at WBC)].  
Specialization courses to be transferred must be approved by department chair.**

MT 3123 Math for Teachers: P-4 .....	3 hours
ED 3053 Emergent Literacy .....	3 hours
ED 3153 Social Studies: P-4.....	3 hours
ED 3223 Reading Instruction: P-4.....	3 hours
ED 3022 Field Experience I.....	2 hours
ED 3032 Field Experience II .....	2 hours
ED 3043 Studies in Early Childhood.....	3 hours
ED 3243 Language Arts & Literature: P-4 .....	3 hours
GS 3223 Science for Teachers: P-4 .....	3 hours
GE 3253 World Geography .....	3 hours
HT 3933 History of Arkansas.....	3 hours

**Pre-Professional Requirements - [11 hours]**

ED 2203 Introduction to Teaching .....	3 hours
ED 2253 Introduction to the Exceptional Child .....	3 hours
PY 3113 Child Development and Learning Process.....	3 hours
ED 4332 Educational Technology.....	2 hours

**Professional Requirements - [12 hours]**

**NOTE: Admission to Williams Teacher Education Program is required prior to enrollment in ED 4113 A Study of the School and ED 4133 Measurement and Evaluation in the School.**

ED 4113 A Study of the School.....	3 hours
ED 4133 Measurement and Evaluation in the School .....	3 hours
ED 4143 Classroom Management, Methods, & Resources: P-4.....	3 hours
ED 4153 Reading in the Content Area: P-4.....	3 hours

**Directed Student Teaching – [16 hours]**

ED 4528 Directed Student Teaching: P-4.....	8 hours
ED 4528 Directed Student Teaching: P-4.....	8 hours

**Total      124/128 hours**

**BACHELOR OF SCIENCE IN EDUCATION:  
4-8 MIDDLE LEVEL MATH AND SCIENCE**

**General Education Requirement**

*(See Baccalaureate Degree General Education Requirement)*..... 54/58 hours

**(Students earning this degree must take GT2263 American Government and PY1113 General Psychology to satisfy the social science requirement, MT1123 Intermediate Algebra (only if Math ACT score is less than 19) and MT1133 College Algebra or a higher level to satisfy the mathematics requirement, PE2213 Health and Safety, along with 2 hours of activity, to satisfy the physical education requirement.)**

**Specialization Requirements - [40 hours (21 of which must be taken at WBC)].  
Specialization courses to be transferred must be approved by department chair.**

ED 3163 Social Studies: 4-8.....	3 hours
ED 3343 Language Arts & Literature: 4-8.....	3 hours
MT 1153 Contemporary Math.....	3 hours
MT 4113 Math for Teacher: 4-8.....	3 hours
MT 1143 Plane Trigonometry.....	3 hours
MT 2214 Calculus I.....	4 hours
MT 3313 Foundations of Geometry.....	3 hours
CH 1154 General Chemistry I.....	4 hours
GS 3223 Science for Teachers: 4-8.....	3 hours
GS 3324 Environmental Science and Ecology.....	4 hours
BS 2214 Anatomy and Physiology.....	4 hours
HT 3933 History of Arkansas.....	3 hours

**Pre-Professional Requirements - [11 hours]**

ED 2203 Introduction to Teaching.....	3 hours
ED 2253 Introduction to the Exceptional Child.....	3 hours
PY 3123 Adolescent Development.....	3 hours
ED 4332 Educational Technology.....	2 hours

**Professional Requirements - [12 hours]**

**NOTE: Admission to Williams Teacher Education Program is required prior to enrollment in ED 4113 A Study of the School and ED 4133 Measurement and Evaluation in the School.**

ED 4113 A Study of the School.....	3 hours
ED 4123 Classroom Methods & Resources: 4-8.....	3 hours
ED 4133 Measurement and Evaluation in the School.....	3 hours
ED 4153 Reading in the Content Area.....	3 hours

**Directed Student Teaching – [16 hours]**

ED 4518 Directed Student Teaching: 4-8.....	8 hours
ED 4518 Directed Student Teaching: 4-8.....	8 hours

**Total**      133/137 hours

**BACHELOR OF SCIENCE IN EDUCATION:  
4-8 MIDDLE LEVEL LANGUAGE, LITERATURE,  
AND SOCIAL STUDIES**

**General Education Requirement**

*(See Baccalaureate Degree General Education Requirement).....* 54/58 hours

**(Students earning this degree must take GT2263 American Government and PY1113 General Psychology to satisfy the social science requirement, MT1123 Intermediate Algebra (only if Math ACT score is less than 19) and MT1133 College Algebra or MT1153 Contemporary Math, PE 2213 Health and Safety, along with 2 hours of activity, to satisfy the physical education requirement.**

**Specialization Requirements - [39/40 hours (21 of which must be taken at WBC)].  
Specialization courses to be transferred must be approved by department chair.**

GS 3233 Science for Teachers: 4-8 .....	3 hours
EN 3633 Systems of Grammar .....	3 hours
GE 3253 World Geography .....	3 hours
ED 3153 Social Studies: 4-8.....	3 hours
MT 4113 Math for Teachers: 4-8.....	3 hours
ED 3343 Language Arts & Literature: 4-8 .....	3 hours
HT 2243 U.S. History .....	3 hours
HT 1143 Western Civilization .....	3 hours
HT 3933 History of Arkansas.....	3 hours
EN 3243 Adolescent Literature .....	3 hours
MT 1153 Contemporary Math.....	3 hours
MT 3313 Foundations of Geometry .....	3 hours
GS ____ Science Elective.....	3/4 hours

**Pre-Professional Requirements - [11 hours]**

ED 2203 Introduction to Teaching .....	3 hours
ED 2253 Introduction to the Exceptional Child .....	3 hours
PY 3123 Adolescent Development.....	3 hours
ED 4332 Educational Technology .....	2 hours

**Professional Requirements - [12 hours]**

**NOTE: Admission to Williams Teacher Education Program is required prior to enrollment in ED 4113 A Study of the School and ED 4133 Measurement and Evaluation in the School.**

ED 4113 A Study of the School.....	3 hours
ED 4123 Classroom Methods & Resources: 4-8.....	3 hours
ED 4133 Measurement and Evaluation in the School .....	3 hours
ED 4153 Reading in the Content Area .....	3 hours

**Directed Student Teaching**

ED 4518 Directed Student Teaching: 4-8 .....	8 hours
ED 4518 Directed Student Teaching: 4-8.....	8 hours

**Total**      132/137 hours

**P-4 EARLY CHILDHOOD COURSE DESCRIPTIONS**

**ED 2203 Introduction to Teaching**

A course which is especially designed to inform prospective teachers of school purposes, functions, and the work of school personnel. Addressed are basic aspects of school governance, administration, and finance. Twenty hours of field experience are required. **Fall and Spring.**

**ED 2253 Introduction to Exceptional Child**

A course which presents the historical and contemporary social, legal, and educational concepts and trends related to the exceptional child. **Fall and Spring.**

**ED 3022 Field Experience I**

A course designed that provides teacher candidates with the opportunity to observe and teach in a structured environment within the public school systems. This course must be taken with junior fall blocks. **Fall.**

**ED 3032 Field Experience II**

This course will provide teacher candidates with the opportunity to observe and teach in a structured environment within the public school systems. This course must be taken with the junior spring blocks. **Spring.**

**ED 3043 Studies in Early Childhood**

An introductory course that reviews and analyzes research findings, experimentation, current trends in curriculum organization, and developmentally appropriate materials recommended for early childhood programs. Ten hours of observation are required. **Spring.**

**ED 3053 Emergent Literacy**

A course designed to familiarize the P-4 teacher candidate with early literacy learning. It provides underlying theories and effective strategies currently used in the preschool, kindergarten, and early first grade classrooms. Specifically included are the rationale and essential components of guided reading and how to use it within a balanced literacy program. Particular attention is given to the importance of developmentally appropriate instruction, reflective practice, and the nurturing of an anti-bias approach to teaching emergent readers. **Spring**

**ED 3153 Social Studies: P-4**

A course designed to prepare the P-4 teacher candidate in the multifaceted area of school social studies. This course will acquaint the P-4 teacher candidate with a solid knowledge of the purposes of social studies and the methods most likely to promote growth toward informed and responsible citizenship in a global society. Five hours of field experiences are required. **Fall.**

**ED 3223 Reading Instruction: P-4**

An introductory course offering a wide-range of definitions and theories related to the nature of decoding and processing print. Specifically addressed are general instructional strategies, reading curriculum, and current approaches used in the elementary school. Ten hours of field-experience are required. **Fall.**

**ED 3243 Language Arts and Literature: P-4**

Designed to prepare P-4 teachers with contemporary methods, materials, and procedures commonly used in teaching the broad spectrum of literature commonly associated with infants and young children as it is integrated with the skills of writing, speaking, listening, and spelling. **Spring.**

**ED 4113 Study of the School**

A course in which a comprehensive body of information is explored from a broad, substantive, and interdisciplinary perspective. Intent is to provide a balanced treatment of many contemporary educational issues from the synthesis of philosophical analysis, research findings

and significant concepts. Practical uses and working strategies for technology in the 21<sup>st</sup> century classroom are included in this course. Five hours of field experiences are required. **Fall and Spring.**

#### **ED 4133 Measurement and Evaluation in the School**

A course in which the broad field of evaluation and assessment is investigated regarding student and school progress. Emphasis is on the acquisition of skills and knowledge needed to be a competent consumer and producer of measurement and evaluation tools and techniques. Twenty-four hours of field experiences are required. **Fall and Spring.**

#### **ED 4143 Classroom Management, Methods, and Resources: P-4**

Designed to prepare P-4 teachers to structure routines and procedures in an manner that enhances students' performance and progress. Emphasis will be on the selection and use of age, interest, and ability appropriate materials, resources and teaching strategies. The course is designed to help the P-4 teacher candidate develop systematic strategies and techniques for organizing and managing activities. Research and practitioner-based models for classroom management will be reviewed and explored. Assessment of integrated thematic units will occur during this course. **Fall and Spring.**

#### **ED 4153 Reading in the Content Area: P-4**

A course in which an investigation is made of diagnostic and prescriptive instructional methods. Emphasis is on promoting reading success in each content area text. Designed to prepare teachers to teach math, science, language, literature, and social studies content specific vocabulary, skills of interpretation, and strategies for comprehension and understanding. A case study with a specific student will include interaction, observations, data gathering, analysis, and documentation requiring a minimum of fifteen hours of interaction. **Fall and Spring.**

#### **ED 4332 Educational Technology**

A course designed to prepare teacher candidates to analyze, select, create, and use computer software, hardware, video, and audio technology in the P-12 classroom. Technology will be used as a teaching tool in content specific and in interdisciplinary microteaching and classroom experiences. **Fall and Spring.**

#### **ED 4528 Directed Student Teaching: P-4**

An application course for teacher candidate who will be placed in area schools and in childhood centers for one half of a semester. During the teaching assignments, the Williams Student Teacher Supervisor and the Cooperating Teachers will direct the teacher candidate's progress as teaching responsibilities begin on a limited basis and culminate with full teaching responsibilities. Teacher candidates in P-4 will repeat ED 4528 for the second half of the semester to allow for a range of experiences in P-4 classrooms. **Fall and Spring.**

## **4-8 MIDDLE LEVEL: LANGUAGE, LITERATURE, AND SOCIAL STUDIES COURSE DESCRIPTIONS**

### **ED 2203 Introduction to Teaching**

A course which is especially designed to inform prospective teachers of school purposes, functions, and the work of school personnel. Addressed are basic aspects of school governance, administration, and finance. Twenty hours of field experience are required. **Fall and Spring.**

### **ED 2253 Introduction to Exceptional Child**

A course which presents the historical and contemporary social, legal, and educational concepts and trends related to the exceptional child. **Fall and Spring.**

### **ED 3163 Social Studies: 4-8**

Designed to prepare the middle level teacher candidate in the multifaceted area of school social studies. This course will acquaint the middle level teacher candidate with a solid knowledge of the purposes of social studies and the methods most likely to promote growth toward informed and responsible citizenship in a global society. Five hours of field experiences are required. **Fall**

### **ED 3343 Language Arts and Literature: 4-8**

Designed to prepare 4-8 teacher candidates with contemporary methods, resources, and procedures commonly used in teaching the broad spectrum of literature commonly associated with children and adolescents as it is integrated with the skills of writing, speaking, listening, and spelling. **Spring.**

### **ED 4113 Study of the School**

A course in which a comprehensive body of information is explored from a broad, substantive, and interdisciplinary perspective. Intent is to provide a balanced treatment of many contemporary educational issues from the synthesis of philosophical analysis, research findings and significant concepts. Practical uses and working strategies for technology in the 21<sup>st</sup> century classroom are included in this course. Five hours of field experiences are required. **Fall and Spring.**

### **ED 4123 Classroom Methods and Resources: 4-8**

Designed to prepare 4-8 teachers to structure routines and procedures in an manner that enhances students' performance and progress. Emphasis will be on the selection and use of age, interest, and ability appropriate materials, resources and teaching strategies. The senior comprehensive assessment is an integrated thematic unit. Fifteen hours of field experiences are required. **Fall and Spring.**

### **ED 4133 Measurement and Evaluation in the School**

A course in which the broad field of evaluation and assessment is investigated regarding student and school progress. Emphasis is on the acquisition of skills and knowledge needed to be a competent consumer and producer of measurement and evaluation tools and techniques. Twenty-four hours of field experiences are required. **Fall and Spring.**

**ED 4153 Reading in the Content Area**

A course in which an investigation is made of diagnostic and prescriptive instructional methods. Emphasis is on promoting reading success in each content area text. Designed to prepare teachers to teach math, science, language, literature, and social studies content specific vocabulary, skills of interpretation, and strategies for comprehension and understanding. A case study with a specific student will include interaction, observations, data gathering, analysis, and documentation requiring a minimum of fifteen hours of interaction. **Fall and Spring.**

**ED 4332 Educational Technology**

A course designed to prepare teacher candidates to analyze, select, create, and use computer software, hardware, video, and audio technology in the P-12 classroom. Technology will be used as a teaching tool in content specific and in interdisciplinary microteaching and classroom experiences. **Fall and Spring.**

**ED 4518 Directed Student Teaching: 4-8**

An application course for teacher candidate who will be placed in area schools for one half of a semester. During the teaching assignments, the Williams Student Teacher Supervisor and the Cooperating Teachers will direct the progress of teacher candidates as teaching responsibilities begin on a limited basis and culminate with full teaching responsibilities. Teacher candidates in middle level (grades 4-8) will repeat ED 4518 the second half of the semester to allow for a range of experiences in 4-8 classrooms. **Fall and Spring.**

#### **4-8 MIDDLE LEVEL: SCIENCE AND MATHEMATICS COURSE DESCRIPTIONS**

**ED 2203 Introduction to Teaching**

A course which is especially designed to inform prospective teachers of school purposes, functions, and the work of school personnel. Addressed are basic aspects of school governance, administration, and finance. Twenty hours of field experience are required. **Fall and Spring.**

**ED 2253 Introduction to Exceptional Child**

A course which presents the historical and contemporary social, legal, and educational concepts and trends related to the exceptional child. **Fall and Spring.**

**ED 4113 Study of the School**

A course in which a comprehensive body of information is explored from a broad, substantive, and interdisciplinary perspective. Intent is to provide a balanced treatment of many contemporary educational issues from the synthesis of philosophical analysis, research findings and significant concepts. Practical uses and working strategies for technology in the 21<sup>st</sup> century classroom are included in this course. Five hours of field experiences are required. **Fall and Spring.**

**ED 4123 Classroom Methods and Resources: 4-8**

Designed to prepare 4-8 teachers to structure routines and procedures in an manner that enhances students' performance and progress. Emphasis will be on the selection and use of age, interest,

and ability appropriate materials, resources and teaching strategies. The senior comprehensive assessment is an integrated thematic unit. Fifteen hours of field experiences are required. **Fall and Spring.**

#### **ED 4133 Measurement and Evaluation in the School**

A course in which the broad field of evaluation and assessment is investigated regarding student and school progress. Emphasis is on the acquisition of skills and knowledge needed to be a competent consumer and producer of measurement and evaluation tools and techniques. Twenty-four hours of field experiences are required. **Fall and Spring.**

#### **ED 4153 Reading in the Content Area**

A course in which an investigation is made of diagnostic and prescriptive instructional methods. Emphasis is on promoting reading success in each content area text. Designed to prepare teachers to teach math, science, language, literature, and social studies content specific vocabulary, skills of interpretation, and strategies for comprehension and understanding. A case study with a specific student will include interaction, observations, data gathering, analysis, and documentation requiring a minimum of fifteen hours of interaction. **Fall and Spring.**

#### **ED 4332 Educational Technology**

A course designed to prepare teacher candidates to analyze, select, create, and use computer software, hardware, video, and audio technology in the P-12 classroom. Technology will be used as a teaching tool in content specific and in interdisciplinary microteaching and classroom experiences. **Fall and Spring.**

#### **ED 4518 Directed Student Teaching: 4-8**

An application course for teacher candidate who will be placed in area schools for one half of a semester. During the teaching assignments, the Williams Student Teacher Supervisor and the Cooperating Teachers will direct the progress of teacher candidates as teaching responsibilities begin on a limited basis and culminate with full teaching responsibilities. Teacher candidates in middle level (grades 4-8) will repeat ED 4518 the second half of the semester to allow for a range of experiences in 4-8 classrooms. **Fall and Spring.**

### **SECONDARY LEVEL: ENGLISH LANGUAGE ARTS, SOCIAL STUDIES COURSE DESCRIPTIONS**

#### **ED 4233 Methods and Resources for Secondary School English**

This professional block course for students pursuing the BSE English degree is a study of the integration of methods and resources which teacher candidates will use in the classroom. Emphasis is placed on curriculum development, learning theory, action research, leadership roles of teachers, professionalism, and teaching models appropriate to the integration of the multiple areas of study within the discipline of English Language Arts, as well as the integration of cross-discipline, team-teaching models. **Fall.**

### **ED 4243 Methods and Resources for Secondary School Social Studies**

This professional block course for students pursuing the BSE Social Studies degree is a study of the integration of methods and resources which teacher candidates will use in the classroom. Emphasis is placed on curriculum development, learning theory, action research, leadership roles of teachers, professionalism, and teaching models appropriate to the integration of the multiple areas of study within the discipline of Social Studies, as well as the integration of cross-discipline, team-teaching models. **Fall.**

### **WTEP DIRECTED STUDENT TEACHING COURSE DESCRIPTIONS**

#### **ED 4518 Directed Student Teaching: 4-8**

An application course for teacher candidate who will be placed in area schools for one half of a semester. During the teaching assignments, the Williams Student Teacher Supervisor and the Cooperating Teachers will direct the progress of teacher candidates as teaching responsibilities begin on a limited basis and culminate with full teaching responsibilities. Teacher candidates in middle level (grades 4-8) will repeat ED 4518 the second half of the semester to allow for a range of experiences in 4-8 classrooms. **Fall and Spring.**

#### **ED 4528 Directed Student Teaching: P-4**

An application course for teacher candidates who will be placed in area schools for one semester. During the teaching assignments, the Williams Student Teacher Supervisor and the Cooperating Teachers will direct the progress of teacher candidates as teaching responsibilities begin on a limited basis and culminate with full teaching responsibilities. Teacher candidates in P-4 will repeat ED 4528 the second half of the semester to allow for a range of experiences in P-4 classrooms. **Fall and Spring.**

#### **ED 4538 Directed Student Teaching: P-12**

An application course for teacher candidate who will be placed in area schools for one semester. During the teaching assignments, the Williams Student Teacher Supervisor and the Cooperating Teachers will direct the progress of teacher candidates as teaching responsibilities begin on a limited basis and culminate with full teaching responsibilities. P-12 teacher candidates will repeat ED 4538 the second half of the semester to allow for a range of experiences in P-12 classrooms. **Fall and Spring.**

#### **ED 4548 Directed Student Teaching in Secondary School**

An application course for teacher candidate who will be placed in area schools for one semester. During the teaching assignments, the Williams Student Teacher Supervisor and the Cooperating Teachers will direct the progress of teacher candidates as teaching responsibilities begin on a limited basis and culminate with full teaching responsibilities in grade 7-12. Teacher candidates will repeat ED 4548 the second half of the semester to allow for a range of experiences in 7-12 classrooms. **Fall and Spring.**

### **FACTS ABOUT WILLIAMS TEACHER EDUCATION PROGRAM (2009-2010)**

- Forty-one students were enrolled in the teacher preparation program during the academic year 2009-2010 with 21 of those students in programs of supervised student teaching.

- The total number of hours required for WTEP was 640 hours, 16 weeks of supervised student teaching averaging 40.00 hours per week of student participation.
- WTEP is currently accredited by the Arkansas Department of Education and NCATE.
- The passing of the Praxis I Assessment is required for entry into and completion of the WTEP.
- The passing of the Praxis II Assessments is required prior to completion of WTEP.

**WTEP COMPLETERS ACHIEVED THE FOLLOWING:** Academic Year: 2009-2010

Williams Baptist College					Statewide		
TYPE OF ASSESSMENT	CODE NUMBER	NUMBER TAKING	NUMBER PASSING	PASS RATE	NUMBER TAKING	NUMBER PASSING	STATEWIDE PASS RATE
<b>Basic Skills</b>							
PPST Reading	710	19	19	100%	1324	1322	100%
PPST Writing	720	19	19	100%	1340	1337	100%
PPST Mathematics	730	19	19	100%	1326	1326	100%
<b>Professional Knowledge</b>							
Eng Lang Lit Comp Pedagogy	043	1			65	65	100%
Prin- Learning & Teach Erly Chld	521	8			741	734	99%
Prin Learn & Teach 5-9	523	5			190	175	92%
Prin Learn & Teach 7-12	524	5			400	362	91%
<b>Academic Content Areas</b>							
Early Childhood: CK	022	7			675	675	100%
Eng Lang Lit Content Know	041	1			66	66	100%
Eng Lang Lit Comp Essays	042	1			66	66	100%
Social Stud: Content Knowledge	081	1			78	73	94%
Social Stud: Analytical Essay	082	1			79	76	96%
PE Analysis & Design	092	5			158	157	99%
Music Concepts & Processes	111	2			88	85	97%
Music Analysis	112	2			89	88	99%
Music Content Knowledge	113	2			89	87	98%
Art Making	131				45	43	96%
Art Content Trad-Critic Aesthetics	132				46	44	96%
Art Content Knowledge	133				46	45	98%
Middle School Subjects: CK	146	3			171	166	97%
Health & PE: CK	856	5			156	155	99%
<b>SUMMARY TOTALS AND RATES</b>							
Aggregate-Basic Skills		19					
Aggregate-Professional Knowledge		19					
Aggregate-Academic Content Areas- (Math, Eng, Bio, etc.)		19					
Aggregate - Other Content Areas (Career/Technical Education, Health Educations, etc.)							
<b>SUMMARY TOTALS &amp; PASS RATES</b>		<b>19</b>	<b>14</b>				

## DEPARTMENT OF ENGLISH AND COMMUNICATION ARTS

### English, Language, and Communication Arts

#### *Division of Arts and Sciences*

*Jerry D. Gibbens, Chair*

*Herschel Gaines*

*Steven Harthorn*

*Dolores Magee*

*Sheri Midkiff*

*Melinda Williams*

The major in English is suitable for many purposes, both professional and cultural. By properly selecting courses, the student may prepare for postgraduate work in literature and language; meet the English requirement for secondary teaching certification; develop writing skills, both in creative and expository writing; obtain appropriate pre-professional training for areas such as law; or study the literary culture of English-speaking peoples.

The Department of English offers courses which provide instruction in grammar, composition, critical thinking, and the analysis of literature. Through language and literature, we reflect on the fundamental question: what does it mean to be human? Literature offers clues but never a complete answer to the human dilemmas. Writers reveal how individuals have attempted to make moral, spiritual, and intellectual sense of a world in which loneliness, despair, irrationality, and death are as conspicuous as friendship, hope, reason, and birth. Through literature we learn what it would be like to be Antigone, Hamlet, Huck Finn, Job, or the apostle Paul, or to live in other cultures.

### BACHELOR OF ARTS IN ENGLISH

To earn the BA in English, Williams students must complete 30 hours in English course work beyond the General Education core requirements of English Composition I and II and World Literature I and II. All English majors must take 6 hours of American Literature and 6 hours of English Literature, Systems of Grammar, Advanced Composition, Literary Theory and Analysis, Studies in Shakespeare, one genre course from among the following: Modern Drama, Modern American Poetry, or Studies in the Twentieth-Century Novel, and 3 hours of upper-level English electives. English majors must also take Microcomputer Applications I, 6 hours of foreign language study, a formal minor, and 12 hours of upper-level electives for a total of 123 hours.

To earn a minor in English, students must complete 18 hours in English course work beyond English Composition I and II and World Literature I and II. Required courses include the following: American Literature I or II, English Literature I or II, Systems of Grammar or Advanced Composition and 9 hours of upper-level English electives.

## BACHELOR OF SCIENCE IN EDUCATION IN ENGLISH

**For the admission requirements, retention procedures, dismissal procedures, and exit requirements of the Teacher Education Program, see *Department of Education*.**

### General Education Requirement\*

(See <i>Baccalaureate Degree General Education Requirement</i> ) .....	54/55 hours
Specialization Requirements .....	27 hours
Professional Requirements .....	31 hours
Departmental Requirements .....	1-3 hours
General Electives .....	9-11 hours
	<b>124/125 hours</b>

*\*Students earning this degree must take GT 2273 and PY 1113 to satisfy the social science requirement, MT 1123 (only if Math ACT score is less than 19) and MT 1133 or MT 1153 or higher to satisfy the mathematics requirement, and PE 2213 plus 2 hours of activity to satisfy the physical education requirement.*

**Specialization Requirements - [27 Hours] 21 hours of English Specialization courses must be taken at WBC. Specialization courses to be transferred must be approved by the English Department Chair.**

### American Literature - [6 Hours]

American Literature I or II.....	3 hours
Survey, genre, or author course .....	3 hours

### English Literature - [6 Hours]

English Literature I or II .....	3 hours
Survey, genre, or author course .....	3 hours

### General - [15 Hours]

EN 3243 Adolescent Literature .....	3 hours
EN 3633 Systems of Grammar .....	3 hours
EN 3733 Advanced Composition .....	3 hours
Genre (May choose EN 4113 Modern Drama, EN 4333 Modern American Poetry, or EN 4433 Studies in the 20th Century Novel.....	3 hours
English elective (upper level) .....	3 hours

### Professional Requirements - [31 Hours]

ED 2203 Introduction to Teaching .....	3 hours
ED 4113 A Study of the School.....	3 hours
ED 4133 Measurement and Evaluation .....	3 hours
ED 4548 Directed Student Teaching in Secondary School .....	8 hours
ED 4548 Directed Student Teaching in Secondary School .....	8 hours
EN 4543 Methods and Resources for Secondary Teachers .....	3 hours

PY 3123 Adolescent Development and Learning Process .....3 hours

**Departmental Requirements - [3 Hours]**

DP 2253 Microcomputer Applications I **or**

ED 4332 Educational Technology ..... 2-3 hours

**ENGLISH COURSE DESCRIPTIONS**

**EN 1113 Composition I**

Emphasis on the development of effective written communication skills and critical thinking skills. The development of these skills is enhanced by the reading and analysis of model essays ranging across the curriculum. **Fall, Spring.**

**EN 1123 Composition II**

Continuation of EN 1113. Emphasis placed on advanced composition and quality of writing growing out of parallel reading and literary works. Students are introduced to poetry, fiction, drama. Skills developed in EN 1113 are employed in writing a research paper on one of the works of literature. Prerequisite: Completion of English Composition I with a grade of "C" or better. **Fall, Spring.**

**EN 2213 Masterworks of World Literature I**

Selected readings from both eastern and western authors from Gilgamesh and Homer through Shakespeare. Prerequisite: EN 1113 and 1123. **Fall, Spring.**

**EN 2223 Masterworks of World Literature II**

Selected readings in both eastern and western authors from the Seventeenth century to the present. Prerequisite: EN 1113 and 1123. **Fall, Spring.**

**EN 3243 Adolescent Literature**

Selected readings in young adult literature, from the eighteenth and nineteenth centuries to the present, with emphasis on post-1950 works. Students undertake independent reading in addition to the assigned works. Prerequisite: Three hours of World Literature. **Spring, odd.**

**EN 3333 English Literature I**

Selected readings from Beowulf to the 18th century. Prerequisite: Three hours of World Literature. **Fall, odd.**

**EN 3343 English Literature II**

Selected readings from the 18th century to the present. Prerequisite: Three hours of World Literature. **Spring, even.**

**EN 3353 American Literature I**

To 1865 Major American authors, genres, and movements from the beginning through the Civil War. Prerequisite: Three hours of World Literature. **Fall, even.**

**EN 3363 American Literature II**

Since 1865 Major American authors, genres, and movements from the Civil War to the present. Prerequisite: Three hours of World Literature. **Spring, odd.**

**EN 3633 Systems of Grammar**

Study of major grammatical systems: traditional, structural and transformational. Prerequisites: Junior or Senior standing, or consent of instructor. **Fall.**

**EN 3733 Advanced Composition**

Continued development of writing beyond the introductory level, with emphasis on advanced stylistic techniques. Students undertake personal essays, scholarly reviews, business correspondence, formal proposals, and other genres, as well as peer reviewing. Prerequisite: Successful completion of Composition I and II; Junior or senior standing, or consent of instructor. **Fall, odd.**

**EN 3833 Creative Writing**

Introduction to the theory of fiction and poetry; thrust of the course will be original student fiction/poetry and the workshopping thereof. Prerequisites: Successful completion of English Composition 1113 and 1123; Sophomore standing, or consent of instructor. **Spring, odd.**

**EN 3843 Advanced Creative Writing**

Advanced work in original student fiction/poetry and the workshopping thereof. Prerequisite: Successful completion of EN 3833. **Spring, odd.**

**EN 4113 Modern Drama**

Study of the late 19th and 20th century European and American drama. Prerequisites: Junior or Senior standing, or consent of instructor. **Fall, even.**

**EN 4223 Studies in Shakespeare**

Study of the tragedies, comedies, and histories of Shakespeare. Prerequisite: Junior or Senior standing, or consent of instructor. **Spring, odd.**

**EN 4333 Modern American Poetry**

Study of American poetry from Whitman to the beat generation of the 1960s and selected contemporary poets. Prerequisite: Junior or Senior standing, or consent of instructor. **Fall, odd.**

**EN 4433 Studies in the Twentieth-Century Novel**

Study of selected 20th century American and British novels. Prerequisites: Junior or Senior standing, or consent of instructor. **Spring, even.**

**EN 4533 Directed Readings in Literature**

Readings which focus on themes in literature, genre studies, particular writers, or a combination of these areas. This course will be offered on student demand or by independent study. Prerequisite: For English majors and minors of Junior or Senior standing, or consent of instructor.

**EN 4633 Studies in Major Writers/Movements of Literature**

Study of major writers, groups of writers, major movements, themes, or periods of literature. This course will be offered on student demand or by independent study. Prerequisites: Junior or Senior standing or consent of instructor.

**EN 4933 Literary Theory and Analysis**

Seminar focusing on concepts of literary research and scholarship, with study of major literary theories and theorists a major emphasis. Prerequisite: Successful completion of Composition I and II; Junior or senior standing, or consent of instructor. **Spring, even.**

**LANGUAGE COURSE DESCRIPTIONS****LG 1113 Elementary Spanish I**

A course in beginning Spanish with emphasis on listening, speaking, reading, and writing. Language laboratory includes use of tapes related to text. **Fall.**

**LG 1123 Elementary Spanish II**

Continuation of Elementary Spanish I with emphasis on pronunciation and reading. Prerequisite: LG 1113 or equivalent. **Spring.**

**COMMUNICATION ARTS**

The study of speech communications and the celebration of great orators and theater artists dates back to ancient Greece. Williams offers a minor in Communication Arts and a Communication Arts concentration block in the BA in Liberal Arts. Students completing this study will have a command of communication skills, including organization, language usage, audience analysis, and effective delivery, and will have studied theater history, plays, playwrights, and production techniques.

To earn a minor in Communication Arts, Williams students must complete 21 hours from one of the following emphasis areas:

**Journalism Emphasis** - Nine hours required from the following: JL 1113 Basic News Writing, JL 1123 News Reporting, EN 3633 Systems of Grammar, or EN 3733 Advanced Composition. Twelve hours chosen from electives listed below\*.

**Speech and Theatre Emphasis** - Nine hours required from the following: SP 2354 Voice and Diction, SP 3253 Oral Interpretation, EN 4113 Modern Drama, or EN 4223 Studies in Shakespeare. Twelve hours chosen from electives listed below\*.

**\*Electives** - JL 1113 Basic News Writing, JL 1123 News Reporting, EN 3833 Creative Writing, EN 3733 Advanced Composition, JL 4113-6 Internship, BA 3213 Principles of Marketing, BA 4313 Advertising and Promotion, SP 2353 Voice and Diction, SP 3253 Oral Interpretation, EN 4113 Modern Drams, EN 4223 Studies in Shakespeare, SP 3113 Producing the School Play, SP 1111/SP 4111 Theatre Workshop, SP1211/SP4211 Acting Workshop, SP 4112-6 Theatre Production Techniques, and SP 2153 Theater Appreciation if not used to fulfill the humanities requirement.

## COMMUNICATION ARTS COURSE DESCRIPTIONS

### **JL 1113 Basic News Writing**

A study of the basic methods of news writing for the modern newspaper. **Fall, even.**

### **JL 1123 News Reporting**

A study and practical application of the fundamentals of news gathering, utilizing the techniques of news writing attained in Basic News Writing. Prerequisite: JL 1113. **Spring, odd.**

### **JL 3833 Creative Writing**

Introduction to the theory of fiction and poetry; thrust of the course will be original student fiction/poetry and the workshopping thereof. Prerequisites: Successful completion of English Composition 1113 and 1123; Sophomore standing or consent of instructor. **Spring, odd.**

### **JL 3843 Advanced Creative Writing**

Advanced work in original student fiction/poetry and the workshopping thereof. Prerequisite: Successful completion of EN 3833. **Spring, odd.**

### **JL 4113-6 Internship**

Students will be assigned as interns in area newspapers under the supervision of the newspaper's personnel. **Offered on demand and by the consent of the instructor.**

### **SP 1111/SP 4111 Theater Workshop**

Practical experience in theatrical productions, dealing with technical experience. May be repeated up to four times. **Fall, Spring.**

### **SP 1211/SP 4211 Acting Workshop**

Practical experience in theatrical production, dealing primarily with performance. Open to the cast of each major play. By audition only. May be repeated up to four times. **Fall, Spring.**

### **SP 2153 Theater Appreciation**

General introduction and orientation to the areas of theater arts: plays and playwrights, acting, directing, designing, stage movement, and stage traditions. **Spring.**

### **SP 2183 Speech and Communication**

Study of basic principles of oral communication with emphasis placed upon introducing the student to elementary factors of interpersonal communication. **Fall, Spring.**

### **SP 2353 Voice and Diction**

A course for improving the use of a normal speaking voice, articulation, and pronunciation, and the study of the recognition and correction of substandard and regional elements in speech. Prerequisite: SP 2183. **Fall, even.**

**SP 3113 Producing the School Play**

A study of the role of the high school teacher with emphasis on activities such as play selection, casting, directing, designing, and presenting a play. Also, suited for students seeking a career in theater outside the classroom. **Fall, odd.**

**SP 3253 Oral Interpretation**

Theory and practice of reading aloud, with emphasis on the emotional and intellectual content of literature and its communication. **Spring, even.**

**SP 4113-6 Theater Production Techniques**

Special studies in directing or technical aspects of theater. Students work under the supervision of the director of theater. Enrollment by permission only. **Offered on demand.**

**SP 4123 Modern Drama**

Study of the late 19th and 20th century European and American drama. Prerequisites: Junior or Senior standing, or consent of instructor. **Fall, even.**

**SP 4223 Studies in Shakespeare**

Study of the tragedies, comedies, and histories of Shakespeare. Prerequisite: Junior or Senior standing, or consent of instructor. **Spring, odd.**

**SP 4933 Communication Theory and Analysis**

This course introduces learners to major contemporary communication theories and theorists. This course requires an undergraduate thesis which applies communication theory to media influences in culture through presentation of contemporary issues. **Junior or senior standing or consent of instructor. Spring.**

**Four courses from the English Department may be counted toward the Communication Arts minor and Concentration block: EN 3733 Advanced Composition, EN 3833 Creative Writing, EN 4113 Modern Drama, and EN 4223 Studies in Shakespeare. (The use of the English classes cannot be counted as hours for both a major and minor.)**

## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

### *Division of Professional Studies*

*Carol Halford, Chair*

*Josh Austin*

*Brad Baine*

*Misty Colvey*

*Frank Lee*

*Eric Newell*

*Jeff Rider*

The Department of Health and Physical Education offers instruction designed to assist students in their personal discovery of the relevance, diversity, and importance of the role of health and physical education. The knowledge, appreciation, and skill students obtain through the study of health and physical education will benefit not only the health and physical education major but also the student in general.

Students may obtain a minor in Physical Education by completing 19/20 hours of required coursework.

### **BACHELOR OF SCIENCE IN HEALTH AND PHYSICAL EDUCATION P-12**

The department offers a major in Health and Physical Education, which is designed for students pursuing the Bachelor of Science in Education degree. This degree will lead to teacher certification in Health and Physical Education P-12 and a coaching endorsement. Students desiring a degree in Health and Physical Education are required to complete significant general education course work outside of the Department of Health and Physical Education.

**For the admission requirements, retention procedures, dismissal procedures and exit requirements of the teacher education program, see *Department of Education*.**

#### **Admission requirements exceptions specific to the P-12 Health and Physical Education Program:**

(a) Complete ED 2203, PY 3113, PY 3123, PE 2213, and PE 2233 with a minimum grade of 2.00 (4.00 scale).

(b) 45 semester hours must be completed prior to admission into the Teacher Education Program.

#### **Exit requirements exceptions specific to the P-12 Health and Physical Education Program:**

(a) The student must earn at least a B in four activity classes.

(b) Complete the portfolio process.

**BACHELOR OF SCIENCE IN EDUCATION DEGREE,  
HEALTH AND PHYSICAL EDUCATION P-12 REQUIREMENTS**

General Education Requirements

(See Baccalaureate Degree General Education Requirement).....54/58 hours  
(Students earning this degree must take GT 2273 and PY 1113 to satisfy the social science requirement, MT 1123 (only if Math ACT is less than 19) and MT 1133 or MT 1153 or higher to satisfy the mathematics requirement, and PE 2213, along with 2 hours of activity to satisfy the physical education requirement. Activity classes taken to satisfy the General Education Requirements may not be used to satisfy the Specialization Requirements.)

**Specialization Requirements - [41 hours] 21 hours must be WBC Specialization courses. Specialization courses to be transferred must be approved by department chair.**

PE 1__1 - PE 2__1 Activity Courses .....	2 hours
PE 2232 Concepts of Athletic Injuries.....	2 hours
PE 2233 Principles of Physical Education.....	3 hours
PE 4213 Kinesiology .....	3 hours
BS 2214 Anatomy and Physiology.....	4 hours
PE 3113 Exercise Physiology .....	3 hours
PE 3122 Rhythmical Activities for Elementary Grades .....	2 hours
PE 4112, 4122, 4132, 4142, or 4152 Theory and Practice of Coaching.....	4 hours
PE 4113 School Health Education P-12 .....	3 hours
PE 3213 Motor Skills Development for Children.....	3 hours
PE 3223 Adaptive Physical Education .....	3 hours
PE 4243 Health and Physical Education Methods I .....	3 hours
PE 4353 Health and Physical Education Methods II .....	3 hours
PE 4223 Organization and Administration of Physical Education.....	3 hours

*\*For coaching endorsement 4 hours of coaching theory must be completed.*

**Professional Requirements - [31 hours]**

ED 2203 Introduction to Teaching .....	3 hours
ED 4113 A Study of the School.....	3 hours
ED 4133 Measurement and Evaluation .....	3 hours
PY 3113 Child Development and Learning.....	3 hours
PY 3123 Adolescent Development and Learning Process .....	3 hours
ED 4538 Directed Student Teaching: P-6.....	8 hours
ED 4548 Directed Student Teaching: 7-12.....	8 hours

**TOTAL** 126/130 hours

**MINOR IN PHYSICAL EDUCATION**

Student may obtain a minor in Physical Education by completing 19/20 hours of coursework.

**Requirements**

PE 2232 Concepts of Athletic Injuries.....	2 hours
PE 2233 Principles of Physical Education.....	3 hours

PE 3113 Exercise Physiology, PE 4213 Kinesiology, <i>or</i>	
BS 2214 Anatomy and Physiology .....	3/4hours
PE 4112 Theory and Practice of Coaching Basketball <i>or</i>	
PE 4122 Theory and Practice of Coaching Football <i>or</i>	
PE 4132 Theory and Practice of Coaching Volleyball <i>or</i>	
PE 4142 Theory and Practice of Coaching Baseball/Softball, <i>or</i>	
PE 4152 Theory and Practice of Coaching Track and Field.....	2 hours
PE 4223 Organization and Administration of Physical Education .....	3 hours
PE 4253 Methods and Materials I.....	3 hours
PE 4353 Methods and Materials II .....	3 hours
<b>TOTAL</b>	<b>19/20 hours*</b>

**\*Program of Study for Coaching Endorsement.** An additional theory and practice of coaching course and PE 3213 Motor Skills for a total of 24/25 hours is required.

## PHYSICAL EDUCATION COURSE DESCRIPTIONS

### PE 1111 Volleyball

Introduction to the basic skills, rules and strategy in volleyball. **On demand.**

### PE 1121 Physical Conditioning

The course includes activity related to one's physical health pertaining to: muscular strength and endurance, cardiovascular endurance, and body fat measurement. **Fall, Spring.**

### PE 1141 Golf

Introduction to the basic skills, rules and strategy in golf. Fee: \$30. **Fall, Spring.**

### PE 1161 Team Sports

Introduction to the basic skills, rules, and strategy in basketball, softball and soccer. **Spring.**

### PE 1181 Bowling

Introduction to the basic skills and strategy in bowling. Fee: \$30. **Fall, Spring.**

### PE 2111 Badminton and Tennis

Introduction to the basic skills, rules, and strategy in badminton and tennis. **Fall.**

### PE 2131 Racquetball

Introduction to the basic skills, rules, and strategy in racquetball. **Fall, Spring.**

### PE 2213 Health and Safety

Principles, problems, and practices in the development of positive health behavior. **Fall, Spring.**

**PE 2232 Concepts of Athletic Injuries**

This course will enable the student to recognize the signs and symptoms of common athletic injuries, learn how to care for common athletic injuries, and understand the importance of risk management plans and procedures.

**PE 2233 Principles of Physical Education**

An introductory course providing insight into the perspective of physical education, professional and vocational opportunities, and the objectives of physical education and sport. **Fall.**

**PE 3113 Exercise Physiology**

The physiology of exercise and its effect on human performance, literature in physical fitness, athletic training and rehabilitation, and improving work performance. **Spring.**

**PE 3122 Rhythmical Activities for Elementary Grades**

Development of knowledge, understanding, techniques, and skill in fundamental movement/patterns. **Fall.**

**PE 3213 Motor Skills Development for Children**

The analysis of basic motor skills with emphasis on appropriate content and skill performance levels in basic game skills. **Spring.**

**PE 3223 Adaptive Physical Education**

A course designed to help prepare the physical educator to meet the needs of the handicapped student. **Spring.**

**PE 4112 Theory and Practice of Coaching Basketball**

The study of rules, strategies, methods, and techniques necessary for successful coaching. **Spring, even years.**

**PE 4113 School Health Education P-12**

Curriculum for and methods of teaching health education in elementary, middle, and secondary schools. **Fall.**

**PE 4122 Theory and Practice of Coaching Football**

The study of rules, strategies, methods, and techniques necessary for successful coaching. **Fall, odd years.**

**PE 4132 Theory and Practice of Coaching Volleyball**

The study of rules, strategies, methods, and techniques necessary for successful coaching. **Fall, even years.**

**PE 4142 Theory and Practice of Coaching Baseball/Softball**

The study of rules, strategies, methods, and techniques necessary for successful coaching. **Spring, odd years.**

**PE 4152 Theory and Practice of Coaching Track and Field**

The study of rules, strategies, methods, and techniques necessary for successful coaching. **On demand.**

**PE 4213 Kinesiology**

Mechanics of human movement and its application to physical activity. **Fall.**

**PE 4223 Organization and Administration of Physical Education**

A study of the administrative programs, practices, and procedures for elementary and secondary schools. **Fall.**

**PE 4243 Health and Physical Education Methods I**

A methods course designed to assist the prospective physical educator in developing a credible elementary health and physical education program. **Spring.**

**PE 4353 Health and Physical Education Methods II**

A methods course designed to assist the prospective physical educator in developing a credible secondary health and physical education program. **Fall.**

## DEPARTMENT OF HISTORY AND GOVERNMENT

### History, Government

#### *Division of Arts and Sciences*

*Todd Ewing, Chair*

*Daniel Spillman*

*Kenneth Startup*

There is little understanding of the present without a mature understanding of the past. Such an insightful understanding of the present is only one of the benefits the study of history confers. At Williams the study of history also involves students in the intensive development of their critical thinking and communication skills. The understanding and skills students obtain through the study of history will benefit them in every potential career and in their lives generally.

Taken together, the study of history broadens the student's horizons while encouraging a reasoned and responsible approach to national and global social, political, and cultural institutions.

### **BACHELOR OF ARTS IN HISTORY**

To earn a Bachelor of Arts degree in history students must complete 33 hours of history course work beyond the General Education Requirement in history. All history majors must complete with a passing grade all of the survey courses in history; HT 1133, Western Civilization I, HT 1143, Western Civilization II, HT 2233, U.S. History Before 1865, and HT 2243, U. S. History Since 1865. Twenty-one of the 33 hours must be taken in courses at or above the 3000 level. All history majors are required to complete DP 2253, Microcomputer Applications I (this requirement may be waived if the department determines that the student is already competent in computer use. If the DP 2253 requirement is waived the student will substitute an elective 3 hour course). History majors are also required to take HT 3033, Historical Research and Philosophy and HT 4503, Directed Readings, or with permission, a graduate preparation course offered by the department. These courses will involve independent work to demonstrate competency in research of the student's area of choice, and thus is pass/fail. History majors are also to complete a minor or second major, earn at least 6 hours of credit in a modern foreign language, and 9 hours of upper-level elective credit. The student will be required to take the ETS History Exam during the senior year to complete the program.

Students at Williams may obtain a minor in history by completing 18 hours of course work in the discipline beyond the 6 hours of history required of all students.

### **BACHELOR OF SCIENCE IN EDUCATION IN SOCIAL STUDIES**

**For the admission requirements, retention procedures, dismissal procedures, and exit requirements of the teacher program, see *Department of Education*.**

#### **General Education Requirements\***

(See *Baccalaureate Degree General Education Requirement*) .....54/58 hours  
Specialization Requirements.....27 hours

Pre-Professional Requirements.....	18 hours
Professional Requirements.....	9 hours
Directed Student Teaching Requirements .....	16 hours
<b>Total</b>	<b>124/128 hours</b>

*\*Students earning this degree must take GT 2263 and PY 1113 to satisfy the social science requirement, MT 1123 (only if Math ACT score is less than 19) and MT 1133 or MT 1153 or higher to satisfy the mathematics requirement, and PE 2213 plus 2 hours of activity to satisfy the physical education requirement.*

**Specialization Requirements - [30 hours] 21 hours must be WBC specialization courses. Specialization courses to be transferred must be approved by department chair.**

### **U. S. HISTORY - [9 hours]**

(Students may choose from the following)

NOTE: Students seeking a BSE in Social Studies degree *may not* count courses taken in the General Education Requirements as part of the major. All social studies majors must take HT 3933 History of Arkansas.

HT 3323 - The Emergence of Modern America (1877-1919)

HT 4023 - The American Revolution

HT 3913 - The Civil War

HT 4113 - The American Republic: 1787 - 1860

HT 4443 - Recent U. S. History: 1919 - Present

### **WORLD HISTORY - [6 HOURS]**

(Students may choose from the following)

HT 1133 - Western Civilization I

HT 1143 - Western Civilization II

HT 3883 - Twentieth Century Europe

HT 3233 - Greco-Roman World

HT 4513 - Special Studies in History

HT 4103 - The History of Islam

### **GEOGRAPHY [3 Hours]**

GE 3253 - World Geography and Culture

HT ----- - World History Elective

### **POLITICAL SCIENCE [3 hours]**

GT 2263 - American Government

### **ECONOMICS [3 hours]**

EC 2273 - Principles of Macroeconomics

EC 2283 - Principles of Microeconomics

**SOCIOLOGY OR PSYCHOLOGY - [3 hours]**

(Students may choose from the following)

- PY 2413 – Positive Psychology
- PY 3103 - History and Systems of Psychology
- PY 3223 - Social Psychology
- PY 3253 - Abnormal Psychology
- SC 2253 - Introduction to Sociology
- SC 3313 - Parenting
- SC 3283 - Marriage and the Family
- SC 4113 - Family Systems

**Pre-Professional Requirements – [18 hours]**

- ED 2203 - Introduction to Teaching .....3 hours
- ED 2253 - Introduction to Exceptional Child.....3 hours
- DP 2253 - Microcomputer Applications I (Department may waive) .....3 hours
- HT 3033 - Historical Research and Philosophy.....3 hours
- HT 3933 - History of Arkansas.....3 hours
- PY 3123 - Adolescent Development and Learning Process .....3 hours

**NOTE: All BSE in Social Studies majors at Williams must complete HT 3033, Historical Research and Philosophy, a capstone course and DP 2253, Microcomputer Applications I (unless waived by the Department of History).**

**Provisional Requirements - [9 hours]**

- ED 4113 - A Study of the School .....3 hours
- ED 4133 - Measurement and Evaluation .....3 hours
- ED 4233 - Methods and Resources for Secondary Teachers.....3 hours

**Directed Student Teaching Requirements – [16 hours]**

- ED 4548 - Directed Student Teaching in Secondary School .....8 hours
- ED 4548 - Directed Student Teaching in Secondary School .....8 hours

**HISTORY COURSE DESCRIPTIONS****HT 1133 Western Civilization I**

This course surveys the development of western civilization from the Sumerians to the era of the Protestant Reformation. Students will review the artistic, philosophical, religious, political, and scientific characteristics of the cultures surveyed in this course. **Fall, Spring.**

**HT 1143 Western Civilization II**

This course surveys the development of western civilization and its interaction with major world communities and cultures from the Protestant Reformation to the end of the Cold War. Students will review the artistic, philosophical, religious, political, and scientific characteristics of the cultures surveyed in this course. **Fall, Spring.**

**HT 2233 United States History Before 1865**

A study of Colonial America, the American Revolution, the early national experience, and the Civil War. **Fall, Spring.**

**HT 2243 United States History Since 1865**

A Study of Reconstruction, westward expansion, the development of political parties, American diplomacy, economic development, and the conduct of United States wars. **Fall, Spring.**

**HT 3033 Historical Research and Philosophy**

This course reviews important philosophical principles and concepts associated with the mature study and practice of history while reviewing the corpus of historical study that students majoring in history have undertaken at Williams. This course is also intended to sharpen the student's research and communication skills. This course is required of all history and BSE majors. **Spring, even years.**

**HT 3133 Church History**

A survey of the history of Christianity from its founding and early development to the present, with primary emphasis upon theological developments and the church's impact upon world civilization. (This course *does not* satisfy General Education history requirements.) Prerequisite: Western Civilization recommended. **Fall, odd years.**

**HT 3233 Greco-Roman World**

Students in this course consider the major contributions of the Greek and Roman civilizations to western civilization. Beginning with the Emergence of Classical Greece and Alexander the Great, students will see the transition to the Roman Republic and Empire. Cultural focus will be on political, philosophical, religious, artistic and literary contributions. Prerequisites: Junior or Senior standing, HT 1133, or permission of the instructor: **Fall, even years.**

**HT 3323 The Emergence of Modern America: 1877-1919**

An examination of the political, economic, constitutional, and social/cultural changes and developments in the United States from the end of Reconstruction through World War I. Emphasis is placed upon industrialization and urbanization, science and technology, economic and constitutional *laissez faire*, national politics, and progressivism. Course objectives include the development of historiographical and critical- and exam-writing skills. Prerequisites: junior or senior standing; HT 2243, or permission of the instructor. **Spring, odd years.**

**HT 3883 Twentieth-Century Europe**

This course examines the history of Europe from the decade of the 1880's to the present. Close attention is given to the origins and impact of the two world wars, the rise of fascism and communism, the end of colonialism, the beginning and end of the Cold War, and the decline of Soviet power. **Spring, even years.**

**HT 3913 The Civil War**

Students in this course consider the sectional conflict in the decade of the 1850's, the problems of the Northern and Southern governments during the war, the major military campaigns of the war,

and the impact of the war upon the civilian population. Prerequisites: Junior or senior standing, HT 2233, or permission of the instructor. **Spring, odd years.**

### **HT 3923 Baptist History**

An examination of the history and heritage of the Baptist denomination from the English Baptists of the early seventeenth century to the creation and development of the Southern Baptist Convention. **Fall, even years.**

### **HT 3933 History of Arkansas**

This course reviews the cultural, economic, and political history of Arkansas from the pre-territorial era to the present. Course objectives include the development of critical writing skills. **Fall.**

### **HT 4023 The American Revolution**

An examination of the various factors leading to the American Revolution and in-depth analysis of the military, economic, political, and other difficulties faced by the newly-independent United States. Course objectives include the development of historiographical and critical- and exam-writing skills. Prerequisites: junior or senior standing; HT 2233, or permission of the instructor. **Spring, even years.**

### **HT 4103 History of Islam**

This course traces the rise and course of Islamic history with an emphasis on the life of Muhammad and the development of Islam's theological, political and social structures. The course also examines the Ottoman Empire, the Crusades and the vast and diverse geographical, religious, cultural and ethnic aspects of the modern Islamic world. **Fall, odd years.**

### **HT 4113 The American Republic:1787-1860**

An analysis of the political, economic, military, constitutional, and social/cultural developments in the United States from the Philadelphia Convention through the antebellum period. Special emphasis is placed on the creation and development of the U.S. Constitution and its interpretation by the U.S. Supreme Court. Course objectives include the development of historiographical and critical- and exam-writing skills. Prerequisites: junior or senior standing; HT 2233, or permission of the instructor. **Fall, even years.**

### **HT 4443 Recent U.S. History: 1919-**

A close examination of the political, economic, military, and social/cultural developments of the United States from the post-World War I period through the mid-twentieth century. Course objectives include the development of historiographical and critical- and exam-writing skills. Prerequisites: junior or senior standing; HT 2243, or permission of the instructor. **Fall, odd years.**

### **HT 4503 Directed Studies in History**

This course is designed to provide the individual student with an intensive and rigorous reading program focused on a rather narrow topic in European history or United States history. Course requirements will be established by the faculty supervisor. Before enrolling the student must secure the approval of the appropriate instructor. Prerequisite: HT 1133 and HT 1143 for

European history; HT 2233 and HT 2243 for United States history. **On demand with the consent of the instructor.**

### **HT 4513 Special Studies in History**

This course allows students to explore an important topic in a seminar setting. Topics in special studies are selected by senior department faculty. **On demand with the consent of the instructor.**

## **GEOGRAPHY**

### **GE 3253 World Geography and Culture**

A survey course designed to familiarize the student with geographic regions of the world as well as the unique cultural aspects of those regions. **Spring.**

## **GOVERNMENT**

### **GT 2263 American Government**

Special attention is given to the Constitution and the organization, process, and function of the national government. **Fall.**

## LIBERAL ARTS DEGREE PROGRAM

The multi-disciplinary degree is predicated upon the reality that many students enroll in college wanting a baccalaureate degree, but with no overriding interest in a single, specialized field of study. The Bachelor of Arts in Liberal Arts and the Bachelor of Science in Liberal Arts degree program allow these students to complete a curriculum which draws upon the strengths of the general liberal arts curriculum.

Students earning this degree must complete at least two concentration blocks from those listed below. At least 9 elective hours must be in courses numbered 3000 or above. General Education courses or hours may not count toward any concentration requirements. Courses taken in one concentration block may not count for requirements in another block.

Students must consult the Academic Dean and Registrar prior to beginning this degree.

### BACHELOR OF ARTS IN LIBERAL ARTS

#### Course Requirements

General Education Requirements .....	53/54Hours
Foreign Language .....	6 Hours
Microcomputer Applications .....	3 Hours
Core Concentration (2 blocks) .....	36/42 Hours
General Electives .....	24/18 Hours

**TOTAL**      **122/123 Hours**

### BACHELOR OF SCIENCE IN LIBERAL ARTS

#### Course Requirements

General Education Requirements .....	53/54Hours
Advanced Math/Science .....	6 Hours
(Above College Algebra, Contemporary Math, Biology, or Physical Science)	
Microcomputer Applications .....	3 Hours
Core Concentration (2 blocks) .....	36/42 Hours
General Electives .....	24/18 Hours

**TOTAL**      **122/123 Hours**

### CONCENTRATION BLOCKS

#### BIOLOGY: 18 Hours Minimum

BS 1134	Botany
BS 1154	General Zoology
BS 2413	Genetics
Upper level electives	

*Must take BS 1113 Biological Science and BS 1111 Biological Science Lab for the general education science lab class requirement or in addition to the concentration block requirements.*

**BUSINESS ADMINISTRATION: 18 Hours Minimum**

BA 2243 Principles of Accounting I  
 BA 2253 Principles of Accounting II *or*  
 BA 2313 Business Statistics  
 BA 3213 Principles of Marketing  
 BA 3223 Organizational Management  
 EC 2273 Principles of Macroeconomics  
 Upper level business elective

**CHRISTIAN MINISTRIES: 18 Hours Minimum**

RL 2113 Introduction to Christian Ministry  
 RL 2143 Biblical Interpretation  
 Any Biblical, Theological, Ministry, or Religious Education offering at the 3000 and/or 4000 level.

**COMMUNICATIONS ARTS: 21 Hours Minimum****Journalism Emphasis**

JL 1113 Basic News Writing  
 JL 1123 News Reporting  
 EN 3633 Systems of Grammar *or*  
 EN 3733 Advanced Composition

**ANY FOUR OF THE ELECTIVES BELOW\***

\*JL 1113, JL 1123, EN 3833, EN 3633, EN 3733, JL 4113-6, BA 3213, BA 4313, SP 2353, SP 3253, EN 4113, EN 4223, SP 3113, SP 1111/SP 4111, SP 1211/SP4211, SP 4313-6, SP 2153\*\* (\*\*if not used for humanities requirement)

**COMPUTER INFORMATION SCIENCE: 18 Hours Minimum**

CS 2113 Management Information Systems  
 CS 2213 Programming Language I  
 CS 3313 Systems Analysis and Design  
 CS 3343 Networking I  
 CS 4113 Web Based Design and Development  
 CIS Elective

**HISTORY: 18 Hours Minimum**

May select any History offerings except HT 4133.

**LITERATURE: 18 Hours Minimum**

May select any six English offerings at the 3000 and/or 4000 level.

**MATHEMATICS: 18 Hours Minimum**

May select any Math courses except MT 1123, MT 2113 and MT 2213 and must include six upper level hours.

**MUSIC: 21 Hours Minimum**

MU 1011 Fundamentals of Music  
 MU 1111 Aural Skills I  
 MU 1113 Creative and Analytical Concepts in Music I  
 MU 1123 Creative and Analytical Concepts in Music II  
 MU 2813 Choral Conducting  
 3 hours Ensemble  
 4 hours Applied Principal  
 4 semesters Recital (non-credit)  
 Choose 3 hours from: MU 2213, MU 3213, MU 3223

**PHYSICAL EDUCATION: 19 Hours Minimum**

PE 2232 Concepts of Athletic Injuries  
 PE 2233 Principles of Physical Education  
 PE 4223 Organization and Administration of Physical Education  
 PE 4243 Health and Physical Education Methods I  
 PE 4353 Health and Physical Education Methods II  
 PE 3113 Exercise Physiology *or*  
 PE 4213 Kinesiology *or*  
 BS 2214 Anatomy & Physiology  
 PE 4112, 4122, 4132, 4142, *or* 4152 Theory and Practice of Coaching

**PHYSICAL SCIENCE: 20 Hours Minimum**

CH 1154 General Chemistry I  
 CH 1164 General Chemistry II  
 PS 2204 General Physics I  
 PS 2214 General Physics II  
 4 hours Upper level science electives

**PSYCHOLOGY: 18 Hours Minimum**

PY 2413 Positive Psychology  
 PY 3223 Social Psychology  
 PY 3253 Abnormal Psychology  
 PY 3113 Child Development *or*  
 PY 3123 Adolescent Development  
 PY 3233 Introduction to Counseling Psychology *or*  
 PY 3243 Psychology of Religion  
 PY 4113 Personality Theory

**RELIGIOUS EDUCATION: 18 Hours Minimum**

RE 2133 Introduction to Religious Education  
 RL 2113 Introduction to Christian Ministry  
 RL 2143 Biblical Interpretation  
 Any Religious Education course offering

**SOCIAL STUDIES: 18 Hours Minimum**

GE 3253	World Geography and Culture
GT 2263	American Government
PY 3223	Social Psychology
RL 3213	Basic Christian Ethics
SC 2253	Introduction to Sociology
SC 3283	Marriage and the Family

**SPEECH/THEATER EMPHASIS**

SP 2353	Voice and Diction
SP 3253	Oral Interpretation
EN 4113	Modern Drama <i>or</i>
EN 4223	Studies in Shakespeare

**ANY FOUR OF THE ELECTIVES BELOW\***

\* JL 1113, JL 1123, EN 3833, EN 3633, EN 3733, , BA 3213, BA 4313, SP 2353, SP 3253, EN 4113, EN 4223, SP 3113, SP 1111/SP 4111, SP 1211/SP 4211, SP 4113-6, SP 2153\*\* (\*\*if not used for humanities requirement)

**STUDIO ART: 21 Hours Minimum**

AR 1103	Design I
AR 1113	Design II
AR 1123	Drawing I
AR 1133	Drawing II
Choose three of the following:	
AR 2113	Introduction to Ceramics
AR 2223	Introduction to Painting
AR 2313	Introduction to Printmaking
AR 4223	Art History Modern

## DEPARTMENT OF MUSIC

### *Division of Arts and Sciences*

*Bob G. Magee, Chair*

*Corey Emerson*

*Rebecca Markowski*

*Carl Mason*

*Lynn Pennington*

*Christopher Thompson*

The study of music at Williams is essentially a three-fold program, including studies in the liberal arts, training in basic musicianship, and specialized training. The liberal arts requirements include general education in the humanities, the social and natural sciences, Christian Ministries, and physical education. The core of the music program is musicianship -- i.e., private lessons, ensemble experience, music literature and history, music education, conducting, and four semesters of music theory.

Williams offers three degrees in music: a Bachelor of Arts in Music, a Bachelor of Arts in Church Music, and a Bachelor of Science in Education: Music P-12. The Bachelor of Arts in Music includes a non-music minor which allows for more extensive study in related fields. The Bachelor of Arts is the degree of choice for students who wish to combine music and another field, such as psychology, business, Christian Ministries, or English, by electing the second field as a minor. The Bachelor of Arts in church Music prepares a student to enter graduate school, seminary, or directly into a church music vocation. The Bachelor of Science in Education: P-12 involves course work in education as well as in music with student teaching the last semester. It emphasizes a choral/vocal track and prepares a student for a career in P-12 music education immediately following graduation.

All prospective music majors must have audition/interviews with the music faculty in their proposed principal applied area, (e.g., voice, piano, or other area). It is the responsibility of the student to contact the respective faculty member in the applied area to arrange for an audition/interview.

A Music Diagnostic Exam, along with an audition, will be given to all entering music students to facilitate proper placement in music theory, applied music, and ensembles, as well as to determine scholarship awards. At the completion of the four-semester music theory sequence, music majors must pass an upper-level music theory examination consisting of two parts: (1) a comprehensive written exam; and (2) a listening and score study exam.

Before a music major may qualify for graduation, a proficiency requirement in piano must be satisfied. This exam must be taken at the end of the semester in which the minimum requirement for piano will be completed. All students pursuing the degree Bachelor of Science in Education: Music P-12 must take a minimum of four semester hours of piano which may be declared as either a principal or secondary applied area.

All students wanting to register for applied music must have the permission of the instructor. The instructor will accept music majors/minors first and non-music major/minors as instruction time is available. An applied music fee will be assessed each semester of applied study. (See the "Financial Information" section in the current catalog.)

All students (music majors/minors as well as non-majors/minors) taking applied music are required to take a jury examination at the end of each semester of study. Students will also be required, at the request of the instructor, to appear in at least one general recital performance each semester of applied study.

All students pursuing the degrees Bachelor of Arts in Music and Bachelor of Arts in Church Music will be required to give a public senior recital in their applied principal prior to graduation. Students must receive approval by performing their entire recital program from memory before the music faculty at a hearing at least two weeks prior to their scheduled recital. In lieu of the senior recital, students have the option of completing a senior project related to their chosen vocation. The nature and scope of the student's senior project is to be worked out with the student's advisor and the approval of the Chair of the Department of Music. The faculty reserves the right to cancel or delay any recital or project that does not meet standards of excellence set by the music faculty.

## **BACHELOR OF ARTS: MUSIC**

### **General Education Requirement - [54/55 hours]**

*(See Baccalaureate Degree General Education Requirement)*

**Note: Music majors must include Music Appreciation MU 2143 as one of the Humanities electives and must choose either College Algebra MT 1133 or Contemporary Mathematics MT 1153 to meet the mathematics requirement.**

**Note: Music majors and minors who have not successfully completed the Music Diagnostic Exam must enroll in MU 1011 Fundamentals of Music in the spring semester of their freshman year. A grade of C or better is required for students to enroll in additional Musicianship Studies.**

**Specialization Requirements - [46 hours] 21 hours must be WBC Specialization courses. Specialization courses to be transferred must be approved by the Department Chair. (Grade C or better)**

MU 1001 Class Piano .....	1 hour
MU 1051 Class Voice.....	1 hour
MU 1__1-02 Applied Principal .....	3 hours*
*To be chosen from "Applied Music" section	
MU 3__1-02 Applied Principal .....	4 hours*
*To be chosen from "Applied Music" section	
MU 4701 Senior Recital or MU 4241 Senior Project.....	1 hour
MU 1__1-02 Applied Secondary .....	3-4 hours
(3 hours if MU 1001 taken; 4 hours if MU 1001 not taken)	
MU 1111 Aural Skills I.....	1 hour
MU 1113 Creative and Analytical Concepts I.....	3 hours
MU 1121 Aural Skills II .....	1 hour
MU 1123 Creative and Analytical Concepts II.....	3 hours
MU 2211 Aural Skills III.....	1 hour

MU 2213 Creative and Analytical Concepts III .....	3 hours
MU 2221 Aural Skills IV .....	1 hour
MU 2223 Creative and Analytical Concepts IV .....	3 hours
MU 3213 Music History I.....	3 hours
MU 3223 Music History II .....	3 hours
MU 2813 Choral Conducting.....	3 hours
MU 1__1 Ensemble .....	8 hours
(Must be chosen from MU 1141, MU 1601, or MU 1621)	
MU 1010 Class Recital (8 semesters).....	0 hours
<b>Minor.....</b>	<b>18/21 hours</b>
<b>Modern Foreign Language (Grade C or better) .....</b>	<b>6 hours</b>
<b>Total</b>	<b>124/125 hours</b>

## BACHELOR OF ARTS: CHURCH MUSIC

### General Education Requirement - [53/54 hours]

(See *Baccalaureate Degree General Education Requirement*)

**Note: Music majors must include Music Appreciation MU 2143 as one of the Humanities electives and must choose either College Algebra MT 1133 or Contemporary Mathematics MT 1153 to meet the mathematics requirement.**

**Note: Music majors and minors who have not successfully completed the Music Diagnostic Exam must enroll in MU 1011 Fundamentals of Music in the spring semester of their freshman year. A grade of C or better is required for students to enroll in additional Musicianship Studies.**

**Specialization Requirements - [47 hours] 21 hours must be WBC Specialization courses. Specialization courses to be transferred must be approved by the department chair. (Grade C or better)**

MU 1001 Class Piano .....	1 hour
MU 1051 Class Voice.....	1 hour
MU 1__1-02 Applied Principal .....	3 hours*
*To be chosen from "Applied Music" section	
MU 3__1-02 Applied Principal .....	4 hours*
*To be chosen from "Applied Music" section	
MU 4701 Senior Recital or MU 4241 Senior Project.....	1 hour
MU 1__1-02 Applied Secondary .....	3-4 hours
(3 hours if MU 1001 taken; 4 hours if MU 1001 not taken)	
MU 1111 Aural Skills I.....	1 hour
MU 1113 Creative and Analytical Concepts I.....	3 hours
MU 1121 Aural Skills II .....	1 hour
MU 1123 Creative and Analytical Concepts II.....	3 hours
MU 2211 Aural Skills III.....	1 hour
MU 2213 Creative and Analytical Concepts III .....	3 hours

MU 2221 Aural Skills IV .....	1 hour
MU 2223 Creative and Analytical Concepts IV .....	3 hours
MU 3213 Music History I.....	3 hours
MU 3223 Music History II .....	3 hours
MU 2813 Choral Conducting.....	3 hours
MU 1__1 Ensemble .....	8 hours
(Must be chosen from MU 1141, MU 1601, or MU 1621)	
MU 1211 Handbells.....	1 hour
MU 1010 Class Recital (8 semesters).....	0 hours

**Professional Requirements – (17 hours) Grade C or better**

DP 1153 Microcomputer Applications I.....	3 hours
RL 2113 Introduction to Christian Ministry .....	3 hours
MU 3113 Music and Worship.....	3 hours
MU 4112 Methods and Resources I.....	2 hours
MU 4122 Methods and Resources II .....	2 hours
MU 4642 Introduction to Music Ministry .....	2 hours
MU 4832 Hymnology.....	2 hours

**Modern Foreign Language (Grade C or better) .....6 hours**

**Total            124/128 hours**

**BACHELOR OF SCIENCE IN EDUCATION: MUSIC P-12**

For the admission requirements, retention procedures, dismissal procedures, and exit requirements of the Teacher Education Program, see *Department of Education*.

**General Education Requirement - [54/55 hours]**

(See *Baccalaureate Degree General Education Requirement*)

**Note: Music majors must include Music Appreciation MU 2143 as one of the Humanities electives and must choose Intermediate Algebra MT 1123 (only if Math ACT score is less than 19) and College Algebra MT 1133 or Contemporary Mathematics MT 1153 to meet the Mathematics requirement. Students earning this degree must take American Government GT 2263 and General Psychology PY 1113 to satisfy the social science requirement.**

**Note: Music majors and minors who have not successfully completed the Music Diagnostic Exam must enroll in MU 1011 Fundamentals of Music in the spring semester of their freshman year. A grade of C or better is required for student to enroll in additional Musicianship studies.**

**Specialization Requirements - [45 Hours] 21 hours must be WBC Specialization courses. Specialization courses to be transferred must be approved by department chair.**

MU 1001 Class Piano .....	1 hour
MU 1051 Class Voice.....	1 hour
MU 1__1-02 Applied Principal .....	3 hours
To be chosen from “Applied Music” section	
MU 1__1-02 Secondary Applied.....	3-4 hours
(3 hours if MU 1001 taken; 4 hours if MU 1001 not taken)	
MU 1111 Aural Skills I.....	1 hour
MU 1113 Creative and Analytical Concepts I.....	3 hours
MU 1121 Aural Skills II .....	1 hour
MU 1123 Creative and Analytical Concepts II.....	3 hours
MU 2211 Aural Skills III.....	1 hour
MU 2213 Creative and Analytical Concepts III .....	3 hours
MU 2221 Aural Skills IV .....	1 hour
MU 2223 Creative and Analytical Concepts IV .....	3 hours
MU 2813 Choral Conducting.....	3 hours
MU 3213 Music History I.....	3 hours
MU 3223 Music History II .....	3 hours
MU 4113 Methods and Resources I.....	3 hours
MU 4123 Methods and Resources II .....	3 hours
MU 1141 Ensemble .....	6 hours
(Must be chosen from MU 1141, MU 1601, or MU 1621)	
MU 1010 Class Recital (7 semesters).....	0 hours

### Professional Requirements - [34 Hours]

ED 2203 Introduction to Teaching .....	3 hours
ED 2253 Introduction to Exceptional Child .....	3 hours
ED 4113 A Study of the School.....	3 hours
PY 3123 Adolescent and Adult Development .....	3 hours
PY 3113 Child Development and Learning Processes .....	3 hours
ED 4133 Measurement and Evaluation .....	3 hours
ED 4538 Directed Student Teaching: P-12.....	8 hours
ED 4538 Directed Student Teaching: P-12.....	8 hours

**Total      133/134 hours**

### MINOR

The Department of Music offers a minor in music which requires 21 hours distributed as follows:

#### Required Courses: 21 Hours

(Grade of C or better)

MU 1011 Fundamentals of Music .....	1 hour
MU 1111 Aural Skills I.....	1 hour
MU 1113 Creative/Analytical Concepts I.....	3 hours
MU 1123 Creative/Analytical Concepts II .....	3 hours

MU 1__1 Ensemble .....	3 hours	
(To be chosen from Williams Singers MU 1141, Chorale MU 1601, Handbells MU 1211, or Piano Ensemble MU 1621)		
MU 1__1 Applied Principal.....	4 hours	
(To be chosen from the Applied Music section)		
MU 2813 Choral Conducting.....	3 hours	
<b>Choose one of the following: 3 Hours</b>		
MU 2213 Creative/Analytical Concepts III.....	3 hours	
MU 3213 Music History I.....	3 hours	
MU 3223 Music History II .....	3 hours	
		<b>Total      <u>21 hours</u></b>

## COURSE DESCRIPTIONS - MUSICIANSHIP STUDIES

### MU 1011 Fundamentals of Music

Intensive study of basic notation, rhythm, meter, scales, key signatures, intervals, triads, and simple musical structures. Designed for students who do not read music and required of all music majors and minors who have not satisfactorily completed the Music Diagnostic Exam. Must complete MU 1011 with a grade of C or better to enroll in other Musicianship Studies. Will not satisfy graduation requirements for music majors or minors. **Spring.**

### MU 1111 Aural Skills I

To be taken concurrently with Creative and Analytical Concepts in Music I. Sightsinging, ear-training through directed listening and dictation, and keyboard experiences which augment the written musicianship experiences. Melodic, rhythmic, harmonic structures of the early music period (ca. 800-1400). Prerequisite: Completion of MU 1011 with a grade of C or better. **Fall.**

### MU 1113 Creative and Analytical Concepts in Music I

Study of music through music literature from the early music period (ca. 800-1400), with analysis of musical compositions and original compositions in the styles under study. Prerequisite: Completion of MU 1011 with a grade of C or better. **Fall.**

### MU 1121 Aural Skills II

To be taken concurrently with Creative and Analytical Concepts in Music II. Continuation of Aural Skills I, with melodic, rhythmic, and harmonic structures of the Renaissance and Baroque periods (ca. 1450-1750). Prerequisite: Completion of MU 1111 with grade of C or better. **Spring.**

### MU 1123 Creative and Analytical Concepts in Music II

Continuation of Creative and Analytical Concepts in Music I. Study of music through music literature of the Renaissance and Baroque periods (ca. 1450-1750), with analysis of musical compositions and original compositions in the styles under study. Prerequisite: Completion of MU 1113 with grade of C or better. **Spring.**

**MU 2211 Aural Skills III**

To be taken with Creative and Analytical Concepts in Music III. Continuation of Aural Skills II, with melodic, rhythmic, and harmonic structures of the Classical and early Romantic periods (ca. 1750-1850). Prerequisite: Completion of MU 1121 with grade of C or better. **Fall**

**MU 2213 Creative and Analytical Concepts in Music III**

Continuation of Creative and Analytical Concepts in Music II. Study of music through music literature of the Classical and early Romantic periods (ca. 1750-1850), with analysis of musical compositions and original compositions in the style under study. Prerequisite: Completion of MU 1123 with grade of C or better. **Fall.**

**MU 2221 Aural Skills IV**

To be taken concurrently with Creative and Analytical Concepts in Music IV. Continuation of Aural Skills III, with melodic, rhythmic, and harmonic structures of the later Romantic and 20th Century periods (ca. 1850-present). Prerequisite: Completion of MU 2211 with grade of C or better. **Spring.**

**MU 2223 Creative and Analytical Concepts in Music IV**

Continuation of Creative and Analytical Concepts in Music III. Study of music through music literature of the later Romantic and 20th Century periods (ca. 1850-present), with analysis of musical compositions and original compositions in the style under study. Prerequisite: Completion of MU 2213 with grade of C or better. **Spring.**

**MUSIC HISTORY AND LITERATURE****MU 2143 Music Appreciation**

An introduction to the elements of music, various musical forms, and stylistic periods of music. Emphasis is given to the cultivation of listening skills. **Fall, Spring.**

**MU 3213 Music History I**

Historical survey of western music from the Middle Ages through the Baroque period, based on the study of important composers and their style of composition. Prerequisite: MU 2143 or permission of instructor. **Fall, odd years.**

**MU 3223 Music History II**

Continuation of Music History II with study focused on Classical period to present. Prerequisite: MU 3213 or permission of instructor. **Spring, even years.**

**CHURCH MUSIC****MU 1211 Handbells**

A laboratory experience in which the study of various ways of playing handbells, of handbell literature, and the care and maintenance of handbells are introduced. One hour rehearsal per week. May be repeated. **Fall.**

**MU 3113 Music and Worship**

A study of the meaning of worship and the role of music in worship with an emphasis on relating music to the total ministries of the church. Students are introduced to the church music program of the local church and denomination. **Spring, odd years.**

**MU 4642 Introduction to Music Ministry**

A study of administration procedures of a music ministry in a local church including the church-wide program of music, its basic organization, and objectives. **Fall, odd years.**

**MU 4832 Hymnology**

A study of the hymns of the Christian church and their use in Christian worship. **Fall, even years.**

**MUSIC EDUCATION****MU 2813 Choral Conducting**

A course in the fundamentals of conducting, utilizing choral anthems for study. Includes score reading, score study, and rehearsal techniques. **Fall, even years.**

**MU 4112-3 Methods and Resources I**

A practical course for music teachers, emphasizing selection of music and methods of teaching music to children in the elementary school. **Fall, even years.**

**MU 4122-3 Methods and Resources II**

An examination of methods and materials employed in junior high and high school music education, both for the performance class and the general music program. **Spring, odd years.**

**MU 4513 Special Studies in Music**

This course allows students to explore an important topic in a seminar setting. Topics in special studies are selected by senior department faculty. **On demand with the consent of the instructor.**

**APPLIED MUSIC**

Applied study means the study of brass, composition, conducting, percussion, piano, voice, or woodwinds in private lessons. Course placement for all applied music students will be determined by an audition/interview by a faculty member of that particular field.

"Principal" is the designation for the principal area of private study in which the student will present a senior recital, i.e., "music major, voice principal" or "music major, piano principal." "Secondary" is the designation in a secondary area of private study.

Credit for applied music is calculated on the following basis: one hour credit, one thirty-minute lesson per week; two hours credit, two thirty-minute lessons per week. Students must

declare their principal area of study by the beginning of the third semester of study.

All students enrolled in applied music must enroll in MU 1010 Recital.

## **APPLIED PIANO**

### **MU 1001 Class Piano**

For students with no previous training in piano. Notation. Pieces in the five-finger position in various keys. Must enroll in MU 1010 Recital.

### **MU 1401-02 Private Piano**

Individual instruction in technique, literature, musical styles, and interpretation. May be taken four times. Must enroll in MU 1010 Recital. Prerequisite: MU 1001 or consent of instructor.

### **MU 3401-02 Private Piano**

Continuation of MU 1401-02. Must enroll in MU 1010 Recital. May be repeated. Prerequisite: At least two semester hours of MU 1401-02 or consent of instructor.

## **APPLIED VOICE**

### **MU 1051 Class Voice**

A study in the fundamentals of vocal production, song literature, musical style and interpretation. A phonetic approach to English, German, Italian, and French diction. Introduction of the International Phonetic Alphabet. Required of music majors and minors. Must enroll in MU 1010 Recital. **Fall.**

### **MU 1501-02 Private Voice**

Individual instruction of vocal production, song literature, musical style and interpretation. May be taken three times. Must enroll in MU 1010 Recital. Prerequisite: MU 1051 or consent of instructor.

### **MU 3501-02 Private Voice**

Continuation of MU 1501-02. Must enroll in MU 1010 Recital. May be repeated. Prerequisite: At least three semesters of MU 1501-02 or consent of instructor.

## **APPLIED BRASS**

### **MU 1301-02 Private Brass**

Individual instruction on technique, scales, exercises, literature, and interpretation on selected instrument. May be taken four times. Must enroll in MU 1010 Recital.

### **MU 3301-02 Private Brass**

Continuation of MU 1301-02. Must enroll in MU 1010 Recital. May be repeated. Prerequisite: At least four semesters of MU 1301-02 or consent of instructor.

## **APPLIED WOODWINDS**

### **MU 1101-02 Private Woodwinds**

Individual instruction on technique, scales, exercises, literature, and interpretation on selected instruments. May be taken four times. Must enroll in MU 1010.

### **MU 3101-02 Private Woodwinds**

Continuation of MU 1101-02. Must enroll in MU 1010. May be repeated. Prerequisite: At least four semesters of MU 1101-02 or consent of instructor.

## **APPLIED PERCUSSION**

### **MU 1201-02 Private Percussion**

Individual instruction in the fundamentals of playing techniques, exercises, and literature on Major percussion instruments. May be taken four times. Must enroll in MU 1010.

### **MU 3201-02 Private Percussion**

Continuation of MU 1201-02. Must enroll in MU 1010.

## **APPLIED CONDUCTING**

### **MU 1801-02 Private Conducting**

Individual instruction in advanced conducting techniques and rehearsal procedures. To be taken by conducting principals only. May be taken four times. Must enroll in MU 1010.

### **MU 3801-02 Private Conducting**

Continuation of MU 1801-02. Must enroll in MU 1010. Prerequisite: At least four semesters of MU 1801-02 or consent of instructor.

## **APPLIED STRINGS**

### **MU 1901-02 Private Strings**

Individual instruction on technique, scales, exercises, literature, and interpretation on selected instruments. May be taken four times. Must enroll in MU 1010.

### **MU 3901-02 Private Strings**

Continuation of MU 1901-02. Must enroll in MU 1010. May be repeated. Prerequisite: At least four semesters of MU 1901-02 or consent of instructor.

## **APPLIED COMPOSITION**

### **MU 2101-02 Private Composition**

Individual instruction in the composition of original works for various media. Must enroll in MU 1010. May be repeated. Prerequisite: Completion of Creative and Analytical Concepts in Music I, II and Aural Skills I, II with grade of B or better, or permission of instructor.

### **MU 4101-02 Private Composition**

Continuation of MU 1701-02. Must enroll in MU 1010. May be repeated. Prerequisite: At least two semesters of MU 2101-02 or consent of instructor.

## **RECITAL**

### **MU 1010 Recital**

Attendance and participation in recitals on campus. Music majors and minors to attend a number determined by the Music Faculty. All music majors and minors and any student taking applied music must enroll in Recital each semester of applied study.

## **CAPSTONE COURSES**

### **MU 4211 Music Seminar I**

This course is the first in a series of three courses that must be taken as prerequisites to Senior Project MU 4241. Prerequisites: Successful completion of applied studies during the freshman and sophomore years.

### **MU 4221 Music Seminar II**

This course is the second in a series of three courses that must be taken as prerequisites to Senior Project MU 4241. Prerequisites: Successful completion of Music Seminar I MU 4211.

### **MU 4231 Music Seminar III**

This course is the third in a series of three courses that must be taken as prerequisites to Senior Project MU 4241. Prerequisites: Successful completion of Music Seminar II MU 4221.

### **MU 4241 Senior Project**

This course is the form of a project which may be presented as a senior thesis and/or an oral presentation. This project may be in the form of multimedia presentations, PowerPoint®, video or music. It will be presented publicly during the last semester of the senior year.

### **MU 4701 Senior Recital**

Graduation requirement for the degrees Bachelor of Arts in Music and Bachelor of Arts in Church Music. Includes exit interview with music faculty. See music faculty for complete information.

## **ENSEMBLES**

### **MU 1141 Williams Singers**

Choral ensemble of mixed voices selected by audition. Concerts are given on and off campus, including annual spring trips. Members should be able to read music and should have had prior choral experience. Members are expected to remain in the ensemble for a minimum of two consecutive semesters, commencing with the fall semester. Three rehearsals per week. May be repeated.

### **MU 1311 Instrumental Ensemble**

A non-select instrumental ensemble which performs a variety of repertoire. Members must be able to read music and should have prior instrumental experience. Members must provide their own instruments. One rehearsal per week. Performances in both formal and non-formal settings will be required. Repertoire will include music appropriate to a wide range of settings. May be repeated.

### **MU 1601 Chorale**

A large, non-select choral ensemble from Williams and surrounding communities which performs a variety of repertoire including musicals, standard choral works, and oratorios accompanied by orchestra. One two-hour rehearsal per week. May be taken eight times for credit. **Fall.**

### **MU 1621 Piano Ensemble**

Study and performance of literature written for two or more pianists. Students should be able to play pieces on at least the intermediate to early advanced level before enrolling for piano ensemble. Prerequisite: At least two semesters of MU 1401-02 or consent of instructor. May be repeated.

## DEPARTMENT OF NATURAL SCIENCE

**Biology, Chemistry, Mathematics, Physical Science, Physics**

### *Division of Arts and Sciences*

*Ann V. Paterson, Nell I. Mondy Professor, Chair*

*Melissa Hobbs*

*Steve McMann*

*Lana Rhoads*

The Department of Natural Sciences seeks to provide students with an understanding of various scientific disciplines. All intelligent and responsible individuals need a basic knowledge of the physical and natural world. The department emphasizes the value of using the scientific method appropriately to increase understanding and critical thinking skills. Additionally, the department seeks to give students an appreciation of the natural world in the context of current environmental issues.

The Department of Natural Sciences offers a major in biology, a minor in biology, and a minor in mathematics. The major in biology prepares the student for a career in science, or prepares them for several pre-professional programs including pre-med, pre-dental, pre-pharmacy and pre-physical therapy.

A minor in biology requires 18 hours of biology above the General Education requirement including six hours of upper-level biology credit.

A minor in mathematics requires 17 hours of mathematics above the General Education requirement and must include all of the following electives: MT 1143 Plane Trigonometry; MT 2214 Calculus I; MT 2224 Calculus II; and MT 3313 Foundations of Geometry. It must also include either MT 3334 Statistics or MT 3113 History of Mathematics. The mathematics minor is suitable for students who would like to get a 9-12 teaching endorsement for mathematics.

### **BACHELOR OF SCIENCE: BIOLOGY**

The Department of Natural Sciences offers a major in biology that is suitable for students interested in a career in biology or in a pre-professional course of study.

### **DEGREE REQUIREMENTS**

#### **General Education Requirement**

*(See Baccalaureate Degree General Education Requirements).....54/56 hours*

**(BS 1111, BS 1113, CH 1154, and MT 1133 or MT 2214 must be taken as part of the general education requirement.)**

#### **Core Requirements [73/74 hours]**

BS 1154 General Zoology .....	4 hours
BS 1134 Botany .....	4 hours
BS 2413 Genetics.....	3 hours
BS 4812 Biology Seminar .....	2 hours
CH 1164 Chemistry II.....	4 hours
CH 3154 Organic Chemistry I.....	4 hours

CH 3164 Organic Chemistry II.....	4 hours
PS 2204 General Physics I.....	4 hours
PS 2214 General Physics II.....	4 hours
One math elective chosen from MT 1143, MT 3334, MT 2214, MT 2224, MT 3313, and MT 3223.....	3-4 hours
Biology Electives (15 hours of upper-level).....	19 hours
(Biology electives must include BS 2314, or BS 3514, or BS 3814)	
<b>General Electives (Must be upper-level).....</b>	<b>18 hours</b>
<b>Total</b>	<b>127/130 HOURS</b>

## BIOLOGY COURSE DESCRIPTIONS

### **BS 1111 Biological Science Lab**

A lab to accompany BS 1113. Must be taken simultaneously with BS 1113. The lab provides hands on exposure to the scientific method and basic laboratory techniques. The lab compliments lecture to reinforce concepts such as experimental design, interpretation of scientific studies, critical thinking, molecular genetics, organismal biology, and environmental issues. **Fall, Spring.**

### **BS 1113 Biological Science**

A course for general education that provides an overview of the biological sciences. The course provides background knowledge in the scientific method, cell biology, genetics, taxonomy/systematics, organismal biology, and environmental issues. Three hours of lecture per week. **Fall, Spring.**

### **BS 1134 Botany**

A study of the form, structure, function, and reproduction of plants. Three hours of lecture and two hours of laboratory per week. Prerequisite: BS 1111 and BS 1113. **Fall, odd years.**

### **BS 1154 General Zoology**

Fundamentals of the invertebrate and vertebrate organisms. Three hours of lecture hours and two hours of laboratory per week. Prerequisite: BS 1111 and BS 1113. **Spring.**

### **BS 2001-4 Introductory Special Problems in Biology**

This course provides an introduction to research skills in biology. May be repeated for 1-4 credit hours. Prerequisite: Permission of the advisor and of the department chair. **On demand.**

### **BS 2113 Medical Terminology**

Provides the student with increased familiarity with medical terms (including suffixes, roots, prefixes) and with review of anatomical structures. Prerequisite: BS 1111 and BS 1113. **Online; on demand.**

**BS 2214 Anatomy and Physiology I**

The structure and function of the different systems of the body. Three hours of lecture and two hours of laboratory per week. Prerequisite: BS 1111 and BS 1113. **Spring.**

**BS 2314 Microbiology**

The study of the taxonomy, morphology, and physiology of micro-organisms, their relation to medicine, industry, agriculture, and basic lab technique. Three hours of lecture and two hours of laboratory per week. Prerequisite: BS 1111 and BS 1113. **Spring, even years.**

**BS 2413 Genetics**

The study of genetic material, the gene as a unit of recombination, mutation, function and regulation. Three hours of lecture per week. Prerequisite: BS 1111 and BS 1113. **Fall.**

**BS 3134 Entomology**

The study of the biology of insects. A study of the morphology, physiology, phylogeny, ontogeny, behavior, ecology and population biology of insects. Emphasis will also be placed on the importance of interaction with humans, from the potent roles of some insects in agriculture, to insects as vectors of disease. Three hours of lecture and two hours of laboratory per week. Prerequisite: BS 1111 and BS 1113. **Fall, even years.**

**BS 3214 Biochemistry**

An introduction to the organic structure of living systems. Concepts dealing with proteins, enzymes, metabolism and biosynthesis. Three hours of lecture and three hours of laboratory per week. Prerequisites: CH 3164, BS 1111 and BS 1113. **Spring, odd years.**

**BS 3513 Economic Botany**

The study of the uses humans make of plants. Prerequisite: BS 1111, BS 1113 and BS 1134 or permission of the instructor. **On demand.**

**BS 3514 Cell Biology**

The detailed study of the structure and function of the cell. This course covers cell biochemistry, genetics, molecular biology, and cytology. Four hours of lecture per week. Prerequisites: BS 1111, BS 1113 and BS 2413. **Spring, odd years; Fall and May terms online on demand.**

**BS 3614 Comparative Anatomy**

The study of the similarities of anatomy and phylogenetic relationships. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1111, BS 1113 and BS 1154. **Fall, odd years.**

**BS 3714 Anatomy and Physiology II**

A continued exploration of topics that were introduced in Human Anatomy and Physiology (BS 2214). In this course, we explore the structure and function of human organ systems. Particular emphasis will be placed on how processes at lower levels of biological organization promote the function of these organ systems, as well as how these organ systems work together to promote the function of the entire human body. The material in this course will build upon, rather than overlap with, material in Anatomy and Physiology. An additional weekly laboratory will

emphasize the anatomy of human organ systems. Three hours of lecture and two hours of laboratory per week. Prerequisite: BS 1111, BS 1113 and BS 2214. **Fall, odd years.**

### **BS 3814 Ecology**

This course presents an introduction to how living things interact with each other and with their surroundings. We explore biological phenomena at higher levels of organization, including organismal, population, community, and ecosystem ecology. Three hours of lecture and 3 hours of laboratory per week. Prerequisite: BS 1111 and BS 1113. **Spring, even years.**

### **BS 3913 Science Exam Preparation**

This course provides assistance for students preparing to take standardized exams such as the MCAT, PCAT, GRE, and others. Students will complete practice tests, analyze their results, review critical subject material, and learn test-taking skills. Practice exams will be chosen individually to match the needs of specific students. This course is pass/fail only. Credits from this course **do not** count as upper level biology electives or towards other degree requirements.

**May or Summer, on demand.**

### **BS 4213 Pharmacology**

The study of drugs, their mechanisms of action at the system, cellular, and molecular levels and effects on human behavior. Three hours of lecture per week. Prerequisite: BS 1111, BS 1113, and BS 3714 or CH 3214 or PY 4244. **Summer, on demand.**

### **BS 4214 Embryology and Developmental Biology**

The study of the basic principles of the development of all levels of organization of organisms. Three hours of lecture and two hours of laboratory per week. May also be taken as a three credit course without the lab. Prerequisites: BS 1111, BS 1113 and BS 1154. **On demand.**

### **BS 4234 Histology**

This course provides an introduction to the terminology, function, and theory of histology. In addition to studying concepts and basic techniques, students will begin to gain familiarity with the function of histology. Students will also learn to identify important tissues and structure on slides. Three hours of lecture and three hours of lab per week. Prerequisites: BS 1111, BS 1113 and 8 additional hours of biology. **Spring and Summer terms online on demand.**

### **BS 4244 Neuroscience**

An introduction to the biological foundations of behavior and the relationship between biology and psychology. **Fall, odd years.**

### **BS 4511-4 Natural Sciences Internship**

This course is designed to allow students to gain experience in their chosen professional field. Students interested in an internship must speak with the instructor at least one semester in advance to discuss arrangements. Prerequisites depend upon the field of interest to the student. While the instructor will attempt to assist students in finding placement, students are ultimately responsible for finding a site at which to work. Students are expected to spend approximately 25 hours at the internship site per credit hour earned, although the details of course requirements must be worked out individually for each specific situation. Students may take 1-3 credits in a

semester. A maximum of 2 credits may be used towards the requirements for a biology major. **Fall, Spring, May Term, Summer.**

### **BS 4812 Biology Seminar**

Reports, readings, and discussions on materials relevant to the biological sciences. Must be a biology major or minor with 24 hours of coursework in major area or permission of the instructor and department chair. **Spring.**

### **BS 4831 Special Problems in Biology**

Individual work under faculty supervision, designed to serve as an introduction to research and supplement regular organized courses in biology. Prerequisite: 24 hours of biology courses, submission of proposal of study, and prior permission of the advisor and of the department chair; Experimental Psychology (PY 3134) and Statistics (PY 3334) or 4 credits of Introductory Special Problems. **On demand.**

### **BS 4932 Special Topics in Biology**

Reports, readings, and discussions on materials relevant to the biological sciences focused on a particular topic. Must be a biology major or minor with 24 hours of coursework in the major area or permission of the instructor and department chair. **Fall.**

## **CHEMISTRY COURSE DESCRIPTIONS**

### **CH 1154 General Chemistry I**

Atomic and nuclear structure, periodic law, chemical bonding, gaseous state of matter and thermodynamics. Three hours of lecture and three hours of laboratory per week. Prerequisite or Corequisite: MT 1133. **Fall.**

### **CH 1164 General Chemistry II**

Studies of the liquid and solid states of matter, carbon and its compounds, and biochemistry. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 1154. **Spring.**

### **CH 2001-4 Introductory Special Problems in Chemistry**

This course provides an introduction to research skills in chemistry. May be repeated for 1-4 credit hours. Prerequisite: Permission of the advisor and of the department chair. **On demand.**

### **CH 2234 Introductory Organic Chemistry**

Designed to meet the needs of students of agriculture, home economics, nursing, biological science, or other areas of study where a vigorous treatment of organic chemistry is not required. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 1154. **On demand.**

### **CH 3154 Organic Chemistry I**

The study of the compounds of carbon, emphasizing the relationship between structure and reactivity. Introduction to reaction mechanisms, stereochemistry and spectroscopy. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 1164. **Fall.**

**CH 3164 Organic Chemistry II**

The study of fundamental groups with an emphasis on the reaction mechanisms, determination of molecular structure and synthesis of organic compounds. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 3154 (Organic Chemistry I). **Spring.**

**CH 3214 Biochemistry**

An introduction to the organic structure of living systems. Concepts dealing with proteins, enzymes, metabolism and biosynthesis. Three hours of lecture and three hours of laboratory per week. Prerequisites: BS 1111, BS 1113 and CH 3164. **Spring, odd years.**

**CH 4001-4 Special Problems in Chemistry**

Individual work under faculty supervision, designed to serve as an introduction to research and supplement regular organized courses in chemistry. Prerequisite: Submission of proposal of study, and prior permission of the advisor and of the department chair; Experimental Psychology (PY 3134) and Statistics (PY 3334) or 4 credits of Introductory Special Problems. May be repeated for 1-4 credit hours. **On demand.**

**GENERAL SCIENCE COURSE DESCRIPTIONS****GS 3223 Science for Teachers: P-4**

Material and methods of teaching elementary school science. Includes an overall view of the role of science in the development of modern society. Prerequisite: one course in the physical sciences and one course in the biological sciences. **Fall.**

**GS 3233 Science for Teachers: 4-8**

Material and methods of teaching middle school science. Includes an overall view of the role of science in the development of modern society. Prerequisite: one course in the physical sciences and one course in the biological sciences. **Fall.**

**GS 3324 Environmental Science and Ecology**

The study of basic ecological concepts and the most current topics concerning the environment. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1114 and PS 1114 or equivalent. **Fall.**

**MATHEMATICS COURSE DESCRIPTIONS**

**Note: Credit may not be earned in a departmental course which is a prerequisite for any course already completed.**

**MT 1123 Intermediate Algebra**

Fundamental operations, linear equations, special products and factoring, rational expressions, polynomials, functions and graphs, exponents and radicals, quadratic equations. **Fall.**

**MT 1133 College Algebra**

Quadratic equations, theory of quadratic equations, inequalities, functions, graphs, system of equations and inequalities, logarithmic and exponential functions, combinatorics and probability. Prerequisite: ACT math score of 19 or above, or MT 1123. **Fall, Spring.**

**MT 1143 Plane Trigonometry**

Properties of the trigonometric functions and their graphs, solution of right and oblique triangles, formulas and identities, inverse trigonometric functions, trigonometric equations and conic curves. Prerequisite: MT 1133 or its equivalent. **Spring.**

**MT 1153 Contemporary Mathematics** An introduction to current topics in mathematics designed for liberal arts students. Emphasis is given to developing a strong conceptual understanding and appreciation for the application of mathematics in the areas of management science, statistics, social choice, patterns and symmetry. (Will not satisfy the general education requirement for business administration, the track I psychology, or biology.) **Fall, Spring.**

**MT 2001-4 Introductory Special Problems in Mathematics**

This course provides an introduction to research skills in mathematics. May be repeated for 1-4 credit hours. Prerequisite: Permission of the advisor and of the department chair. **On demand.**

**MT 2153 Survey of Calculus**

Survey of basic concepts of analytic geometry and calculus, including limits, derivatives, exponential and logarithmic functions, integral, and multivariable calculus. Prerequisites: MT 1133. **On demand.**

**MT 2214 Calculus I**

Limits, differentiation of algebraic functions and applications, theory of the integral, and definite integral and applications. Prerequisites: MT 1133 and MT 1143 or equivalent courses. **Fall.**

**MT 2224 Calculus II**

Differentiation of transcendental functions, integration by other methods, volumes of revolution, convergence of infinite sequence and series. Prerequisite: MT 2214. **On demand.**

**MT 3113 History of Mathematics**

Selected topics in the history of mathematics with an emphasis on the development of the various areas and major concepts of mathematics, and an appreciation of the people who contributed to those developments. Suitable for a general upper level elective. **Fall, odd years.**

**MT 3123 Math for Teachers: P-4**

Place value and numeration systems, concept and operations of addition and subtraction, operations of multiplication and division, number theory concepts and operations, concepts and operations of fractions and decimals, graphs, data, statistics, and probability, geometric figures and relationships, measurement concepts and operations. NCTM standards for K-4 are the basis for instruction and classroom practices. Prerequisite: MT 1133, or MT 1153, or higher level. **Fall.**

**MT 3223 Linear Algebra**

Systems of linear equations and applications, matrices and determinants, vector spaces, linear transformations and eigenvalues and eigenvectors. **On demand.**

**MT 3234 Calculus III**

Polar co-ordinates and equations, vectors in two and three dimensional space, and vector valued functions, partial differentiations, double and triple integral, differential equations. Prerequisite: MT 2224. **On demand.**

**MT 3313 Foundations of Geometry**

A survey of Euclidean, transformational, fractal and hyperbolic geometries with an emphasis on explorations using geogebra or other geometric software. **Spring.**

**MT 3334 Statistics**

An introduction to the quantitative interpretation of data for research purposes. Includes descriptive statistics, probability theory, hypotheses testing, chi-square, analysis of variance, correlation and linear regression. Three hours lecture and two hours laboratory per week. Prerequisite: MT 1133. **Fall.**

**MT 4001-4 Special Problems in Mathematics**

Individual work under faculty supervision, designed to serve as an introduction to research and supplement regular organized courses in math. Prerequisite: Submission of proposal of study, and prior permission of the advisor and of the department chair; Experimental Psychology (PY 3134) and Statistics (PY 3334) or 4 credits of Introductory Special Problems. May be repeated for 1-4 credit hours. **On demand.**

**MT 4113 Math for Teachers: 4-8**

Concept and operations of addition and subtraction, operations of multiplication and division using rational numbers, number theory concepts and operations, concepts and operations of fractions and decimals, graphs, data, statistics, and probability, geometric figures and relationships, measurement concepts and operations of two and three dimensional figures. NCTM standards for 4-8 are the basis for instruction and classroom practices.

Prerequisite: MT 1133, or MT 1153, or higher level. **Spring.**

**PHYSICAL SCIENCE COURSE DESCRIPTIONS****PS 1114 Physical Science**

A course for general education that deals with various aspects of the physical sciences. This course is not intended for the natural science major. Three hours lecture and two hours laboratory per week. Prerequisite: Fulfillment of mathematics general education requirement. **Fall, Spring.**

**PS 2204 General Physics I**

Basic principles of mechanics, sound, and heat. Three hours lecture, three hours laboratory per week. Prerequisites: MT 1133 and 1143 or permission of the instructor. **Fall, even years.**

**PS 2214 General Physics II**

The continuation of PS 2204, covering light, electricity, magnetism and nuclear physics. Three hours of lecture, three hours of laboratory per week. Prerequisites: PS 2204. **Spring, odd years.**

## DEPARTMENT OF PSYCHOLOGY AND SOCIOLOGY

### *Division of Arts and Sciences*

*Paul Rhoads, Chair*

*Gary Gregory*

*Ruth Provost*

Psychology is concerned with the scientific study of human behavior, thought, and emotions. Psychology students investigate these areas within the context of various fields of psychology. The ultimate goal of the study of psychology at Williams is the empathetic understanding of human behavior applied in service to others.

### BACHELOR OF SCIENCE: PSYCHOLOGY

The Department of Psychology offers a major with two tracks designed to meet the different career interests of students. Track I is designed for those psychology students preparing for graduate school and for careers in such areas as clinical, counseling, general-experimental, or social psychology. Track II is designed for those students preparing for seminary and church-related work as well as mental health or social work careers that do not require an advanced degree. Either track would prepare students for careers in managerial or supervisory positions in business and industry, human service settings, or church-related vocations.

A student may obtain a minor in psychology by taking PY 1113 General Psychology and any additional 15 hours in psychology.

### DEGREE REQUIREMENTS

#### **General Education Requirement**

*(See Baccalaureate Degree General Education Requirement)..... 54/55 Hours*

**Students earning this degree may not use a psychology course to satisfy the Social Science requirement. Track I students must take MT 1133. Track II students may take either MT 1133, MT 3113, or MT 1153. Students may take either PY 3123 or PY 3313 to fulfill core requirement.**

#### **Core Requirements – [21 hours]**

PY 1113 General Psychology .....	3 hours
PY 3103 History and Systems .....	3 hours
PY 3113 Child Development and Learning Process.....	3 hours
PY 3123 Adolescent Development.....	3 hours
PY 3253 Abnormal Psychology.....	3 hours
PY 4113 Personality Theory.....	3 hours
PY 4413 Synthesis in Psychology .....	3 hours

**Track I Requirements - [17 hours]**

PY 3334 Statistics .....	4 hours
PY 3133 Theories of Learning.....	3 hours
PY 3143 Experimental Psychology .....	3 hours
PY 4244 Neuroscience.....	4 hours
Psychology Elective.....	3 hours
<b>Minor.....</b>	<b>18 hours</b>
<b>General Electives.....</b>	<b>17 hours</b>

Total.....127/129 Hours

**Track II Requirements - [12 hours]**

PY 2413 Positive Psychology.....	3 hours
PY 3223 Social Psychology.....	3 hours
PY 3233 Introduction to Counseling Psychology.....	3 hours
Psychology Elective.....	3 hours
<b>Minor.....</b>	<b>18 hours</b>
<b>General Electives.....</b>	<b>22 hours</b>

Total.....127/128 Hours

**BACHELOR OF SCIENCE: FAMILY PSYCHOLOGY**

The family is the cornerstone of our society. Starting with that assumption family psychology is the study of the religious, physical, psychological and social experience of becoming a family. To help the family accomplish its task the Department of Psychology has brought together a number of fields all of which can influence family life. These fields include, but are not limited to, religion, psychology, sociology, health and business; all are brought together under the rubric of a Christian perspective. The Family Psychology degree provides the student with a broad knowledge of family life education including: family interaction, interpersonal relationships, human development and sexuality, education about parenthood, family resources management, values, and family and society.

**DEGREE REQUIREMENTS****General Education Requirement**

(See *Baccalaureate Degree General Education Requirement*) .....54/55 Hours

**SC2253 and SC3283 must be taken to satisfy the General Education social science requirements.**

**Students working on this degree who do not plan to go to graduate school may substitute any two psychology courses for PY 3334 and PY 3143 and may take MT 1133, MT 3113, or MT 1153 to fulfill their math requirement.**

**Majors planning on graduate school must take MT 1133. PE 2213 is required as partial fulfillment of the General Education health and physical education requirements.**

**The Family Psychology degree does not require a minor.**

**Core Requirements - [45 hours]**

BA 3123 Consumer Finance .....	3 hours
PY 1113 General Psychology .....	3 hours
PY 2413 Positive Psychology .....	3 hours
PY 3103 History and Systems of Psychology .....	3 hours
PY 3113 Child Development .....	3 hours
PY 3123 Adolescent Development .....	3 hours
PY 3133 Theories of Learning .....	3 hours
PY 3223 Social Psychology .....	3 hours
PY 3243 Psychology of Religion .....	3 hours
PY 3253 Abnormal Psychology .....	3 hours
PY 3233 Introduction to Counseling Psychology .....	3 hours
PY 4113 Personality Theory .....	3 hours
PY 4413 Synthesis in Psychology .....	3 hours
SC 3313 Parenting .....	3 hours
SC 4113 Family Systems .....	3 hours
<b>General Electives</b> .....	27 hours

Total.....126/127 Hours

**PSYCHOLOGY COURSE DESCRIPTIONS****PY 1113 General Psychology**

This introductory course is a prerequisite for all other courses listed below. Emphasis on the foundations and development of behavior, cognition, and emotions. **Fall, Spring.**

**PY 2413 Positive Psychology**

An examination of basic psychological patterns and adjustments. Special attention is given to the effects of stress and the mature handling of stress. Prerequisite: PY 1113. **Spring.**

**PY 3103 History and Systems of Psychology**

A study of the major concepts of psychological thought in current and historical perspective. Prerequisite: PY 1113. Prerequisite: EN 1123. **Fall.**

**PY 3113 Child Development and Learning Process**

A study of the physical, mental, emotional, social development and learning process of humans from conception to puberty, including the major theoretical approaches. Prerequisite: PY 1113. **Fall.**

**PY 3123 Adolescent Development and Learning Process**

A study of the physical, mental, emotional, and social development and learning process of humans from puberty to adulthood, including some of the major theoretical approaches. Prerequisite: PY 1113. **Fall, Spring.**

**PY 3133 Theories of Learning**

An examination of major theories of learning and the research bearing upon them. Emphasizes origin, influence upon contemporary psychological thought, and present applications. Prerequisite: PY 1113. **Spring, even years.**

**PY 3143 Experimental Psychology**

A study of the basic principles and techniques used in experimental research and the processes of interpreting and reporting results. Prerequisite: PY 1113. **Spring.**

**PY 3223 Social Psychology**

An examination of the major processes of social interaction at both the interpersonal level and in group settings. Emphasis is upon the development of interpersonal skills and an understanding of the structure and forces at work in groups. Prerequisite: PY 1113. **Spring, even years.**

**PY 3233 Introduction to Counseling Psychology**

A survey of the major theoretical orientations and current practices of counseling and psychotherapy. Includes the study of the philosophy, theories, principles, techniques, application, and ethics of counseling. Recommended Prerequisite: PY 3253. **Spring, odd years.**

**PY 3243 Psychology of Religion**

A study of the processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feeling, conversion, doubt, prayer, and worship. Prerequisite: PY 1113. **Spring, even years.**

**PY 3253 Abnormal Psychology**

An examination of the various categories of abnormal behavior in order to help the student better understand the causes, treatment, and prevention of maladaptive behavior. Prerequisite: PY 1113. **Fall.**

**PY 3263 Psychological Tests and Measurements**

An introduction to the theory, problems, and techniques of psychological measurement and testing, including interpretation of test results. Prerequisite: PY 1113. **Fall, even years.**

**PY 3273 Advanced Positive Psychology**

This course studies the specific aspects of positive psychology; it goes more in depth and focuses on the 26 character strengths that promote well-being and happiness through the use of film and critical thinking. **Summer.**

**PY 3313 Adult Development and Aging**

A study of the theory and research on the psychological development of adults; physical, social, personality, and intellectual development during the adult segment of the life span, with particular attention given to the aging process. Prerequisite: PY 1113. **Fall, odd years.**

**PY 3334 Statistics**

An introduction to the quantitative interpretation of data for research purposes. Includes descriptive statistics, probability theory, hypotheses testing, chi-square, analysis of variance,

correlation and linear regression. Three hours lecture and two hours laboratory per week. Prerequisite: PY 1113 and MT 1133. **Fall.**

### **PY 4113 Personality Theory**

A survey and critical examination of the major historical and contemporary viewpoints advanced to explain human behavior in order to provide students with a detailed overview of the influences in the development of individual personalities. Prerequisite: PY 1113. **Spring.**

### **PY 4213 Pharmacology**

The study of drugs, their mechanisms of action at the system, cellular, and molecular levels and effects on human behavior. Three hours of lecture per week. Prerequisite: BS 3714 or CH 3214 or PY 4244. **On demand.**

### **PY 4244 Neuroscience**

An introduction to the biological foundations of behavior, thought and feeling and to the general relationship between biology and psychology. Three hours lecture and two hours laboratory per week. Prerequisite: PY 1113. **Fall.**

### **PY 4266 Practicum in Psychology**

Practical work experiences at one of a variety of mental health institutions. Designed for exemplary students who are preparing for graduate school and further mental health work. Prerequisites: PY 1113, 3113, 3123, 3253, 3263 and consent of instructor. Depending upon the particular practicum chosen, there may be additional prerequisites. Students interested in the Practicum should contact the instructor in the fall semester for enrollment in the spring semester and in the spring semester for the summer Practicum. **Spring and Summer.**

### **PY 4413 Synthesis of Psychology**

Designed to help students synthesize the skills and information that have been gathered in all previous psychology courses. Seniors only. **Spring.**

### **PY 4503 Individual Study**

Advanced studies of specific topics arranged by department chairman. Course may be repeated. **On demand.**

### **PY 4513 Special Studies**

Special topics of interest in the area of psychology. May be repeated for credit. **On demand with the consent of the instructor.**

### **PY 4523 Advanced Research and Design**

This course is designed to integrate both research and statistical analysis of research in the production of lab research that is accepted for presentation at a professional psychological meeting for peer review.

### **PY 4613 Advanced Statistics**

This course is designed to teach the application of the statistical and research techniques learned in introductory statistics. The relationship of research design and the use of statistical procedures

will be expanded on. Among the topics to be considered are the following: factorial analysis of variance (ANOVA), analysis of covariance, repeated measures ANOVA, multivariate ANOVA, multiple regression, path analysis, and structural equation modeling (SEM). **On demand.**

## **SOCIOLOGY**

The field of sociology introduces the scientific study of society and human social interactions dating back to its recognition as a science by Auguste Comte in the 19th century. Sociology includes the studies of various aspects of social life, behavior in large organizations and small groups, deviant behavior, and the characteristics of political and religious institutions and social movements.

A minor in sociology consists of 18 hours.

## **SOCIOLOGY COURSE DESCRIPTIONS**

### **SC 2253 Introduction to Sociology**

The course is designed to acquaint the student with the discipline and provide a background for more advanced studies. Textbook study, lectures, discussion and assigned projects. **Fall.**

### **SC 3253 Criminology**

A study of the nature and extent of crime, theories about causation, processes of criminal justice, penal and correctional methods and institutions, and prevention and treatment of crime. Prerequisite: SC 2253. **Fall, odd years.**

### **SC 3283 Marriage and the Family**

A study of the origin and development of the family; the role of marriage in contemporary society; the family cycle; successful marriage and parenthood; relationship of the family to other social institutions. **Spring.**

### **SC 3313 Parenting**

The aim of this course is to guide students to understand and utilize behavioral and cognitive approaches to Christian parenting and to develop and define skills to help children reach their potential in academic, personal, and spiritual development. Prerequisite: SC 2253. **Spring, odd years.**

### **SC 3323 Sociology of Religion**

A study of the process involved in group religious experience and in group dynamics with particular reference to religious motivation, integration of personality, guilt feelings, conversation, doubt, prayer and worship. Prerequisite: SC 2253. **Spring, even years.**

### **SC 3333 Adult Development and Aging**

A study of the theory and research on the psychological development of adults; physical, social, personality, and intellectual development during the adult segment of the life span, with particular attention given to the aging process. Prerequisite: PY 1113. **Fall, odd years.**

**SC 4113 Family Systems**

The purpose of this course is to provide students with an understanding of the historical foundations and theoretical models of family systems to enable students to identify and analyze both healthy and dysfunctional family systems. Prerequisite: SC 2253. **Spring, odd years.**

**SC 4513 Special Studies**

Special topics of interest in the area of sociology. May be repeated for credit. **On demand with the consent of the instructor.**

## SPECIAL PROGRAMS

### OFF-CAMPUS STUDY PROGRAMS AVAILABLE THROUGH THE COUNCIL FOR CHRISTIAN COLLEGES & UNIVERSITIES (CCCU)

The Council for Christian Colleges and Universities, a Washington, D.C.-based association of 90 colleges and universities, is North America's primary organization devoted specifically to serving and strengthening Christ-centered higher education. The Council's main functions are to promote cooperation and interaction among colleges; provide opportunities for personal and professional growth for administrators, faculty and students; monitor government and legal issues; and promote these institutions to the public.

Because Williams Baptist College is a member of the Council, these diverse off-campus study programs are available to juniors and seniors with a minimum GPA of 2.75. For further information regarding academic requirements, financial arrangements and schedule planning see your academic dean, or contact the Council at 329 Eighth Street, NE, Washington D.C. 20002; (202)546-8713.

#### American Studies Program

The American Studies Program (ASP) is a semester-long internship/seminar program for upper division students in most majors. Located in Washington, D.C., the program offers a non-traditional, inter-disciplinary, issue-oriented learning experience. Students gain on-the-job experience through an internship in the field of their choice and study current national and international issues in seminars led by Washington policy experts. ASP serves as Williams Baptist College's Washington campus and students may earn up to 16 semester hours of credit toward their degree. By exploring public policy issues in the light of biblical truth and working in internships which help prepare them for a future in the marketplace, students gain insight and experience that can strengthen their ability to live and work in a biblically faithful way in society and in their chosen field.

#### Components

#### Recommended Credits

Foundations for Public Policy.....	2
Involvement and Policy Analysis .....	2
Domestic Policy* .....	3
International Policy* .....	3
Internship/Practicum .....	8

*\*One unit of study each semester looks at an economic issue in either domestic or international policy.*

#### Contemporary Music Center

The curriculum of the Contemporary Music Center is designed to speak to the head, heart and hands. In addition to seminars, lectures and practicum, great attention will be given to the actual creation and marketing of original music. Students who elect to take the Artist Track will use their time outside of the formal classroom setting to create a presentation. Similarly, Executive Track students will work with the artists in career direction and management; recording contract negotiations; planning, budgeting, and producing artist demo sessions; and

creating and executing a record marketing and sales plan. All students will participate in an intensive ten-day practicum in Nashville.

<b>Components</b>	<b>Recommended Credits</b>
Faith, Music and Culture.....	3
Inside the Music Industry.....	3
Practicum .....	1
<b>Artist Track</b>	
Essentials of Songwriting .....	3
Studio Recording .....	3
Performance .....	3
<b>Executive Track</b>	
Artist Management.....	3
A & R (Artists & Repertoire).....	3
Music Marketing and Sales.....	3

### **Latin American Studies Program**

San Jose, Costa Rica, is the setting for the Council's Latin American Studies Program (LASP). This semester abroad program is designed for students who are seeking to integrate their faith with knowledge and experience in a third world context. LASP participants typically earn 16 credits toward their degree. Students live with Central American families, engage in language classes and seminar courses, work on rural service projects and travel in Central America. Each spring semester LASP also offers a specialized track for science majors entitled "Tropical Science and Sustainability/Environmental Studies." Participating natural science students branch off from the main LASP body for six weeks to earn six of their credits in the natural sciences. Likewise, each fall the LASP offers a specialized track for those students majoring in business. Entitled "International Business: Management & Marketing" this program differs from the core program by offering six credits structured specifically for business students.

<b>Components</b>	<b>Recommended Credits</b>
Spanish language .....	6
Seminar I Central American History .....	3
Seminar II Faith & Practice in Latin America .....	3
Service projects/Central American travel .....	4
<b>Fall: Business Track</b>	
Seminar II International Business: Management & Marketing .....	4
Internship .....	2
Central American travel .....	1
<b>Spring: Natural Science Track</b>	
Seminar II Tropical Science & Global Sustainability.....	4
Field Research.....	2
Central American travel.....	1

### **Los Angeles Film Studies Center**

The Los Angeles Film Studies Center (LAFSC), located in Hollywood, is a semester-long internship/seminar program for upper division students who are interested in an introduction to the work and workings of the mainstream Hollywood film industry. Although not intended as a substitute for film school, the LAFSC curriculum is designed to expose students to the industry, to the many academic disciplines that might be appropriate to it, and to critical thinking and reflection on what it means to be a Christian in this field of endeavor. As such, the curriculum is balanced between courses of a theoretical nature and courses that offer students a more applied introduction to the world of film. Participating students may earn 16 semester hours [or 24 quarter units] of credit which may be applied to a variety of student programs through consultation with an academic advisor.

<b>Components</b>	<b>Recommended Credits</b>
Inside Hollywood: The Work and Workings of the Film Industry.....	3
Introduction of Filmmaking.....	3
Film in Culture:	
Exploring a Christian Perspective on the Nature and Influence of film .....	3
Internship .....	6

### **Middle East Studies Program**

The Middle East Studies Program (MESP) in Cairo, Egypt, provides students with the opportunity to study the cultures, religions and conflicts within this diverse and strategic region. Students from Christian colleges participate in interdisciplinary seminar classes, receive Arabic language instruction and serve as interns with various organizations in Cairo. Participants spend two weeks traveling to Israel, including time in the West Bank. Additional field trips are available for interested students. The Middle East Studies Program encourages evangelical Christians to relate to the Muslim world in an informed and constructive manner.

<b>Components</b>	<b>Recommended Credits</b>
Arabic language .....	4
Seminars: Peoples and Cultures of the Middle East .....	4
Islam in the Modern World.....	4
Conflict and Change in the Middle East Today.....	4

### **Russian Studies Program**

Students attending the Russian Studies Program (RSP) spend a semester studying the language, culture and history of Russia as well as current political and economic issues. In addition they interact with leaders in the community to develop a better understanding of contemporary Russian society and how, as Westerners, they can foster more interaction with the country. Mobility characterizes the program. Two weeks are spent in Moscow and 10 weeks in Nizhni Novgorod (formerly Gorky). The final three weeks in St. Petersburg allow students to live with a Russian family and to experience Russian culture first hand. A service project during this segment of the program gives students the opportunity to have a practical "hands on" work experience alongside Russian nationals in a wide range of professional settings.

<b>Components</b>	<b>Recommended Credits</b>
Russian language .....	6
Seminars:	
Russian History and Culture .....	4
Post-Communist Russia in Transition .....	4
Service Project.....	2

### **Oxford Summer School Program**

The Oxford Summer School Program is a multi-disciplinary study of the history and development of the Renaissance and Reformation through examination of the philosophy, art, literature, science, music, politics and religion of this era. Students have the opportunity to study with the faculty of the Centre for Medieval and Renaissance Studies and The University of Oxford. Lectures are normally held on weekday mornings, leaving the afternoons free for seminars, private study and exploration. Field trips to places of historical importance such as St. Augustine's Abbey, Canterbury Cathedral, Stratford-on-Avon, and Hampton Court provide an up-close opportunity to experience the cultural richness of England. Unlike the Council-sponsored programs, credits at the Oxford Summer School Program are generated directly at the University of Oxford.

<b>Components</b>	<b>Recommended Credits</b>
Lecture course.....	3
Seminar .....	3-6

(The Oxford Summer School is a Council-affiliated, not Council-sponsored program.)

### **PRE-PROFESSIONAL PROGRAMS**

Students at Williams may also pursue various pre-professional curricula. These programs do not necessarily lead to a baccalaureate degree; some involve three years of intensive and carefully focused study. Students wishing to undertake pre-professional studies will need to work closely with the Academic Dean's office and a faculty advisor. Students should also follow carefully the catalog of the professional program to which they aspire.

Below are descriptions of some of the most popular pre-professional programs, but other science-related profession options are available. For example, some students are interested in pre-optometry, pre-physician assistant, pre-osteopathic medicine, and other programs. Williams can prepare students for a variety of careers and interested students should contact Dr. Paterson for more information.

#### **Pre-Law**

Law schools do not require any particular degree or course of study for admission. Each applicant to law school is required to complete only a bachelor's degree and the Law School Admissions Test (LSAT).

A pre-law major at Williams may, therefore, choose any field in which to complete a bachelor's degree. However, the student should be aware of several important skills required for success in law school and in the legal profession. A broad cultural background is of prime

importance. Moreover, pre-law students should take courses which emphasize the ability to read and comprehend accurately, rapidly, and thoroughly; to think logically; to analyze and weigh situations and materials; to speak and write clearly; and to develop a critical approach and mature study habits.

Admission to law school is competitive and is based mainly on grade point average and the student's scores on the Law School Admissions Test (LSAT). Each pre-law student at Williams should consult closely with the pre-law advisor, Professor Gibbens.

### **Pre-Medicine**

Admission to medical programs is highly competitive and requires students to be well-prepared. Additionally, being well-prepared allows students to succeed once they encounter the challenges in medical school. Williams offers all of the premedical requirements for the University of Arkansas for Medical Sciences (UAMS) college of Medicine, along with the requirements for most other medical schools. Admission to medical school requires high GPAs (generally 3.0 is considered the minimum but not necessarily competitive), high MCAT (Medical School Admission Test) scores, medical experience, and excellent letters of recommendation. We recommend that students interested in medicine contact Dr. Ann Paterson, the pre-health professions advisor, as early as possible to begin their preparation. We also recommend that students consider involvement in undergraduate research early in their college careers.

### **Pre-Veterinary Medicine**

Admission to veterinary medical programs is highly competitive (even more competitive than admission to medical school in many cases) and requires students to be well-prepared. Additionally, being well-prepared allows students to succeed once they encounter the challenges in veterinary school. Williams offers all of the preveterinary requirements for the Louisiana State University School of Veterinary Medicine (which gives in-state tuition to Arkansas residents), along with the requirements for many other veterinary schools. Admission to veterinary school requires high GPAs (generally 3.0 is considered the minimum but not necessarily competitive), high GRE (Graduate Record Exam) scores, veterinary experience, and excellent letters of recommendation. We recommend that students interested in veterinary medicine contact Dr. Paterson, the pre-health professions advisor, as early as possible to begin their preparation. We also recommend that students consider involvement in undergraduate research early in their college careers.

### **Pre-Dentistry**

Admission to dental programs is highly competitive and requires students to be well-prepared. Additionally, being well-prepared allows students to succeed once they encounter the challenges in dental school. Williams offers all of the predental requirements for the University of Tennessee Health Science Center College of Dentistry, along with the requirements for many other dental schools. Admission to dental school requires high GPAs (generally 3.0 is considered the minimum but not necessarily competitive), high DAT (Dental Admission Test) scores, dental experience, and excellent letters of recommendation. Additionally, it is useful if students can demonstrate the ability to work well with their hands (for example, by taking classes in ceramics). We recommend that students interested in dentistry contact Dr. Paterson, the pre-health professions advisor, as early as possible to begin their preparation. We also recommend that students consider involvement in undergraduate research early in their college careers.

**Pre-Physical Therapy**

Admission to physical therapy programs is competitive and requires a high GPA. Most programs also require the GRE (Graduate Record Exam). Williams has an articulation agreement with the Southwest Baptist University Physical Therapy program that makes admission easier for our students. Physical therapy experience and/or observations may be required. Students interested in physical therapy, especially at the University of Central Arkansas, should speak with Dr. Paterson, the pre-health professions advisor, early in their academic careers to begin completing the prerequisites.

**Pre-Occupational Therapy**

Admission into occupational therapy programs is on a competitive basis and requires a minimum GPA that depends on the school. Interested students should consult with Dr. Paterson, the pre-health professions advisor, early in their academic careers to discuss their options.

**Pre-Pharmacy**

Admission to pharmacy programs is highly competitive and requires students to be well-prepared. Additionally, being well-prepared allows students to succeed once they encounter the challenges in pharmacy school. Because many programs have strict prerequisites, students should consult with Dr. Paterson, the pre-health professions advisor, early in their college career to design their degree plan. Admission to pharmacy requires high GPAs (generally 3.0 is considered the minimum but not necessarily competitive), high PCAT (Pharmacy College Admissions Test) scores, pharmacy experience, and excellent letters of recommendation. We also recommend that students consider involvement in undergraduate research early in their college careers.

**Pre-Nursing**

Students interested in BSN programs can generally complete 2 years of their nursing curriculum at Williams, but must then transfer to complete the program. Because requirements vary for different programs, students should consult with their advisor promptly to design an effective course of study. Admission to nursing programs is competitive and students need to be well-prepared in order to be accepted and to succeed in the programs.

**ROTC - General Information**

The U.S. Army Reserve Officer Training Corps (ROTC) at Arkansas State University has a cross-enrollment agreement with Williams Baptist College which permits students to participate in all ROTC classes and activities.

For more information concerning the ROTC program, contact the Office of Academic Affairs at Williams Baptist College.