

# ACADEMIC COLLEGES

## SCHOOL OF BUSINESS

### Harland C. Stonecipher School of Business

Michael Scott, Dean

[Department of Accounting](#)

[Department of Business Administration](#)

#### General Information

The Harland C. Stonecipher School of Business is located in the Chickasaw Business and Conference Center. The School is also home to the Wilburn L. Smith Center for Entrepreneurship and the Kellogg & Sovereign Consulting, LLC Financial Lab. Students are encouraged to join the Business Leaders Association. Students of high academic achievement will be invited to join the international honor society Delta Mu Delta. Both the Accounting Program, and the Business Administration Program, are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

[2024-2025 Accounting \(ACCT\) Courses](#)

[2024-2025 Business \(BUS\) Courses](#)

[2024-2025 Business Communication \(BUCOM\) Courses](#)

[2024-2025 Business-Economics \(BSEC\) Courses](#)

[2024-2025 Business Law \(BUSLW\) Courses](#)

[2024-2025 Economics \(ECON\) Courses](#)

[2024-2025 Finance \(FIN\) Courses](#)

[2024-2025 Information Technology Management \(ITM\) Courses](#)

[2024-2025 Management \(MGMT\) Courses](#)

[2024-2025 Management Information Systems \(MIS\) Courses](#)

[2024-2025 Marketing \(MKTG\) Courses](#)

[2024-2025 Military Science \(MS\) Courses](#)

#### School of Business Internship Hours

Students may obtain from one to three credits from internship opportunities. The general requirement is that the internship must include (1) actual work to be completed under the supervision of the place of employment offering the internship and (2) an academic component related to the field of study under the supervision of the SSB internship supervisor. The nature of the actual work and academic component will vary from internship to internship, and the details of each are determined through input from the internship company, supervisor, and student. The hours of credit are determined by the amount of work required.

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### Department of Accounting

#### Major Offered

[Accounting - Bachelor of Science](#)

#### Minor Offered

[Accounting](#)

#### Certificates Offered

[Accounting \(Managerial Accounting\)](#)

[Accounting \(Treasury Management\)](#)

#### Departmental Information

The primary purpose of accounting is to measure and communicate financial information about profit and non-profit organizations to interested persons. Accounting professionals operate within a broad socioeconomic environment. Therefore, emphasis within the accounting program is placed upon a combination of conceptual knowledge and practical applications of accounting theory and concepts as they relate to satisfying the information needs of a disparate group of users. The wide selection of courses in the accounting department enables the student to become familiar with such fields as taxation, financial accounting, managerial accounting, auditing, and governmental/not-for-profit accounting. The Accounting Program prepares the student for entry level professional positions and provides the prerequisite courses for admission to graduate study. Students majoring in accounting are required to take a combination of business and accounting related courses, which enhance their knowledge of the various business functions. Courses in computer technology and information systems, business communication, management, marketing, finance, business law, and economics are taken by all accounting majors. The Department also offers a minor in Accounting, and two certificate programs in Managerial Accounting and Treasury Management.

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#### 2024-2025 Accounting Bachelor of Science (120 Credit Hours)

Students graduating with an Accounting degree must complete 150 (of which 76 must be upper division) hours, including 36 hours in accounting, to comply with the educational requirements needed to sit in the State of Oklahoma for the CPA exam. The total number of hours required for a Bachelor of Science (BS) degree with a major in Accounting is 124; however, ECU offers a Master of Science in Accounting that allows graduates to meet the Oklahoma Accountancy Act 150-hour requirements. The 120 credit hours includes ECU's 40 hour general education program.

#### Required Core Courses (36 Credit Hours)

ACCT 2103 Financial Accounting

ACCT 2203 Managerial Accounting

BSEC 2603 Bus & Econ Statistics

BUCOM 3133 Bus Comm & Report Writing

BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR

MGMT 4623 Leadership - complete if more than 60hrs earned

BUS 4303 Business Strategy & Policy

BUSLW 3213 The Legal Environment of Business

ECON 2003 Principles of Macroeconomics

ECON 2013 Principles of Microeconomics

FIN 3113 Financial Management  
MGMT 3013 Principles of Management  
MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems  
MKTB 3313 Principles of Marketing

### **Required in Accounting Major (33 Credit Hours)**

ACCT 3203 Cost Accounting I  
ACCT 3303 Intermediate Accounting I\*  
ACCT 3383 Federal Income Tax Accounting  
ACCT 3403 Intermediate Accounting II  
ACCT 3413 Business Ethics for Accountants\*  
ACCT 3843 Accounting Information Systems  
ACCT 4303 Advanced Accounting  
ACCT 4503 Auditing  
BSEC 3103 Foundations of Data Analytics\*

Six (6) additional upper level accounting hours selected from the following:

ACCT 3423 Community Tax Preparations  
ACCT 3453 Advanced Computer Acct. Applications  
ACCT 3713 Governmental & Non-Profit Accounting  
ACCT 4203 Advanced Cost Accounting  
ACCT 4353 Oil and Gas Accounting  
ACCT 4453 Short-Term Financial Management  
ACCT 4621-3 Internship in Accounting  
ACCT 4981-4 Seminar in Accounting  
ACCT 4991-4 Individual Study in Accounting

### **Related Work**

COMM 2253 Communication in the Workplace  
MATH 1613 Functions & Modeling

### **Other Requirements & Notations**

Courses in the required core as well as those denoted with a \* are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For Graduation, a minimum grade point average of 2.25 is required in the 33 hours of courses with ACCT prefixes. Student majoring in Accounting must take at least 50 credit hours of their coursework in non-business courses. However, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

[2024-2025 Accounting Major Check Sheet](#)

[2024-2025 Accounting Major 4-Year Plan](#)

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### **2024-2025 Accounting Minor (18 Credit Hours)**

#### **Required Courses**

ACCT 2103 Financial Accounting  
ACCT 2203 Managerial Accounting  
ACCT 3203 Cost Accounting I  
ACCT 3303 Intermediate Accounting I

In addition to the courses above, the student must complete Six (6) hours of approved upper-division accounting courses.

[2024-2025 Accounting Minor Check Sheet](#)

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### **2024-2025 Certificate in Managerial Accounting (30 Credit Hours)**

#### **Required Courses (18 Credit Hours)**

ACCT 2203 Managerial Accounting  
ACCT 3203 Cost Accounting  
ACCT 3303 Intermediate Accounting I  
ACCT 3413 Business Ethics for Accountants  
FIN 3113 Financial Management  
ACCT 4203 Advanced Cost Accounting

#### **Elective Courses (12 Credit Hours)**

*Students will select four courses from the following:*

ACCT 3453 Advanced Computer Acct. Applications  
ACCT 4303 Advanced Accounting  
ACCT 4503 Auditing  
MGMT 3013 Principles of Management  
MIS 3433 Management Information Systems  
ECON 2013 Principles of Microeconomics

*Students may also be permitted to include other upper level Accounting of Business Administration courses with preapproval from the department.*

### **Special Requirement**

This certificate requires successful completion of a capstone experience. The Managerial Accounting certificate program requires a learning experience beyond the specified minimum number of courses. The capstone experience can be satisfied by making an acceptable score on Parts 1 & 2 of the professional examination to receive the Certified Management Accountant (CMA) designation. Subject to the following, the capstone experience may also be satisfied by completing a business plan, research paper, thesis, 6 hours of additional coursework, or other synergistic experience. Generally, the capstone experience must be approved by the relevant Program Coordinator/ Department Chair and the Dean of the Stonecipher School of Business. A capstone experience not involving the approved professional examination will also require the approval of an advisory committee, consisting of three business faculty members, at least two of whom must be faculty teaching in the relevant program. Students who do not complete the capstone experience by the end of the program coursework must enroll in ACCT 4991 under the Program Coordinator until the capstone experience is completed. Evidence of completing the capstone experience must be submitted to the Dean of the Stonecipher School of Business at least thirty days before the conferral of the certificate.

[2024-2025 Certificate in Managerial Accounting Check Sheet](#)

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### **2024-2025 Certificate in Treasury Management (30 Credit Hours)**

#### **Required Courses (12 Credit Hours)**

ACCT 3303 Intermediate Accounting I  
ACCT 4453 Short-Term Financial Management  
ACCT 3413 Business Ethics for Accounting; OR  
BUS 4213 Business Ethics  
FIN 3113 Financial Management

#### **Elective Courses (18 Credit Hours)**

Students will select six courses from the following:

ACCT 3403 Intermediate Accounting II  
ACCT 3453 Advanced Computer Acct Applications  
ACCT 3713 Governmental & Non-Profit Accounting  
ACCT 4303 Advanced Accounting  
BUSLW 3253 Business Law  
MIS 3433 Business Law  
MIS 3433 Management Information Systems  
ECON 2013 Principles of Microeconomics

*Students may also be permitted to include other upper level Accounting of Business Administration courses with preapproval from the department.*

#### **Special Requirement**

This certificate requires successful completion of a capstone experience. The Treasury Management certificate program requires a learning experience beyond the specified minimum number of courses. The capstone experience can be satisfied by making an acceptable score on the professional examination to receive the Certified Treasury Professional Associate (CTPA) designation. Subject to the following, the capstone experience may also be satisfied by completing a business plan, research paper, thesis, 6 hours of additional coursework, or other synergistic experience. Generally, the capstone experience must be approved by the relevant Program Coordinator/Department Chair and the Dean of the Stonecipher School of Business. A capstone experience not involving the approved professional examination will also require the approval of an advisory committee, consisting of three business faculty members, at least two of whom must be faculty teaching in the relevant program. Students who do not complete the capstone experience by the end of the program coursework must enroll in ACCT 4991 under the Program Coordinator until the capstone experience is completed. Evidence of completing the capstone experience must be submitted to the Dean of the Stonecipher School of Business at least thirty days before the conferral of the certificate.

[2024-2025 Certificate in Treasury Management Check Sheet](#)

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### **Department of Business Administration**

#### **Majors Offered**

Business Administration (Entrepreneurship) - Bachelor of Science  
Business Administration (Finance) - Bachelor of Science  
Business Administration (General Business) - Bachelor of Science  
Business Administration (Management) - Bachelor of Science  
Business Administration (Marketing) - Bachelor of Science  
Information Technology Management (Data Analytics) - Bachelor of Science  
Information Technology Management (Information Systems) - Bachelor of Science  
Information Technology Management (Project Management) - Bachelor of Science

#### **Minors Offered**

Business Administration  
Business Administration for Music Majors  
Data Analytics  
Entrepreneurship  
Finance  
Human Resources Management  
Information Systems  
Management  
Marketing  
Military Science  
Project Management  
Promotions Management

#### **Certificates Offered**

Entrepreneurship Certificate  
Banking & Finance Certificate

[Global Business Certificate](#)  
[Human Resources Management Certificate](#)  
[Management Information Systems Certificate](#)  
[Personal Finance Planning Certificate](#)  
[Project Management/Management Certificate](#)  
[Promotions Management Certificate](#)  
[Managerial Accounting Certificate](#)  
[Treasury Management Certificate](#)

### Departmental Information

The Department of Business Administration at East Central University brings together five business disciplines with programs leading to a Bachelor of Science degree with a major in Business Administration. The Degree offers concentrations in Entrepreneurship, Finance, General Business, Marketing, Management, and Information Technology Management. The Department also offers nine certificate programs, Banking and Finance, Entrepreneurship, Global Business, Human Resources Management, Management Information Systems, Project Management/Management, and Promotions Management and twelve minors, Business Administration, Business Administration for Music Majors, Entrepreneurship, Finance, Human Resources Management, Management, Marketing, Promotions Management, Information Systems, Project Management and Data Analytics.

The Department of Business Administration's mission is to facilitate an interactive, experiential, and dynamic learning environment where students are treated as co-learners who continuously acquire knowledge and skills to enable them to successfully contribute to a dynamic and culturally diverse society. Our vision is to be recognized as an exemplary leader in undergraduate business education, primarily preparing students for successful entrance in both the private and public sectors, to become successful entrepreneurs, and to pursue post-baccalaureate studies. Small class sizes, quality professors, and real-world focus make for an excellent option for those looking to secure a strong foundation in Business Administration. Primary general education and major core courses are completed during the first two years, with concentration courses completed in the final two years. A mix of traditional and innovative approaches are designed to provide knowledge of the fundamental principles, generalizations, and theories of business, delivery of effective communications, effective use of computing software, and the skills to make sound business decisions in a socially responsible and global business environment.

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### 2024-2025 Business Administration - Entrepreneurship - Bachelor of Science (120 Credit Hours)

The Entrepreneurship concentration provides learning opportunities to assist students in developing their skills to create and run successful companies. Topics include opportunity recognition the entrepreneurial mindset, proof of concept, financial planning, building a brand, management and organization planning, and market planning using curriculum developed and supported by the Ewing Marion Kauffman Foundation. Students in the capstone class compete for cash prizes in the Oklahoma Governor's Cup Competition. The 120 credit hours includes ECU's 40 hour general education program.

#### Required Core Courses (42 Credit Hours)

ACCT 2103 Financial Accounting  
ACCT 2203 Managerial Accounting  
BSEC 2603 Bus & Econ Statistics  
BUCOM 3133 Bus Comm & Report Writing  
BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR  
MGMT 4623 Leadership - complete if more than 60hrs earned  
BUS 4303 Business Strategy & Policy  
BUSLW 3213 The Legal Environment of Business  
ECON 2003 Principles of Macroeconomics  
ECON 2013 Principles of Microeconomics  
FIN 3113 Financial Management  
MGMT 3013 Principles of Management  
MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems  
MKTG 3313 Principles of Marketing

#### Required for Concentration in Entrepreneurship (27 Credit Hours)

BUS 4103 Global Business  
BUS 4213 Business Ethics  
ENTR 3103 Introduction to Entrepreneurship  
ENTR 4413 Bus Planning & Strategy For Entrepreneurship  
ENTR 4503 Venture Creation  
FIN 4623 Applied Finance  
MGMT 3063 Production/Operations  
MIS 3453 Adv. Computer Bus Applications  
MKTG 3333 Digital Marketing; OR  
MKTG 3813 Professional Selling

#### Required Business Administration Electives (6 Credit Hours)

The student will select six (6) additional hours from Accounting, Business, Administration or Information Technology Management at the upper division level.

#### Related Work

COMM 2253 Communication in the Workplace  
MATH 1613 Functions & Modeling

#### Electives

Students will select five (5) additional credit hours in consultation with his/her major program advisor.

#### Special Requirements

For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

[2024-2025 Major Program Check Sheet - Entrepreneurship Concentration](#)  
[2024-2025 Major Program 4-year Plan - Entrepreneurship Concentration](#)

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### **2024-2025 Business Administration - Finance - Bachelor of Science (120 Credit Hours)**

The Finance concentration provides students with knowledge and practice in the application of methods and techniques used in all areas of finance. Basic underlying financial theories and concepts are examined in the core courses and are reinforced and expanded in the concentration Business 37 courses. Concentration course topics include corporate finance, investments, financial institutions, insurance, personal financial planning, and real estate development. The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Core Courses (42 Credit Hours)**

ACCT 2103 Financial Accounting  
 ACCT 2203 Managerial Accounting  
 BSEC 2603 Bus & Econ Statistics  
 BUCOM 3133 Bus Comm & Report Writing  
 BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR  
 MGMT 4623 Leadership - complete if more than 60hrs earned  
 BUS 4303 Business Strategy & Policy  
 BUSLW 3213 The Legal Environment of Business  
 ECON 2003 Principles of Macroeconomics  
 ECON 2013 Principles of Microeconomics  
 FIN 3113 Financial Management  
 MGMT 3013 Principles of Management  
 MIS 1903 Computer Business Applications  
 MIS 3433 Management Information Systems  
 MKTG 3313 Principles of Marketing

#### **Required for Concentration in Finance (36 Credit Hours)**

BSEC 3103 Foundations of Data Analytics\*  
 BUS 4103 Global Business\*  
 BUS 4213 Business Ethics\*  
 FIN 3003 Financial Markets & Institutions  
 FIN 3223 Investment Analysis  
 FIN 3913 Principles of Insurance & Risk Mgmt  
 FIN 4113 International Financial Management  
 FIN 4623 Applied Finance\*  
 MGMT 3036 Production/Operations Management\*

The student will select nine (9) hours from the following:

ACCT 3303 Intermediate Accounting I\*  
 BSEC 4003 Advanced Data Analytics\*  
 FIN 3013 Fundamentals of Financial Planning  
 FIN 3833 Commercial Bank Management  
 FIN 4103 Essentials of Banking & Finance  
 FIN 4263 Real Estate Development & Investment  
 ITM 3473 Data Visualization\*  
 ITM 3613 Data Comm & Computer Networks\*  
 MGMT 3043 Human Resource Management  
 MIS 3453 Advanced Computer Bus App\*  
 MKTG 3813 Professional Selling\*

#### **Related Work**

COMM 1113 Fundamentals of Human Communication  
 MATH 1613 Functions & Modeling

#### **Electives**

Students will select two (2) additional credit hours of coursework in consultation with their major program advisor.

#### **Special Requirements**

Courses in the required core as well as those denoted with are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Student majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

[2024-2025 Major Program Check Sheet - Finance Concentration](#)  
[2024-2025 Major Program 4-year Plan - Finance Concentration](#)

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### **2024-2025 Business Administration - General Business - Bachelor of Science (120 Credit Hours)**

The General Business concentration provides greater flexibility in developing a program tailored to the student's needs and objectives. Students take advanced courses from each of the other concentrations to gain a broad understanding of business. The 120 credit hours includes ECU's 40 hour general education program.

#### **Related Core Courses (42 Credit Hours)**

ACCT 2103 Financial Accounting

ACCT 2203 Managerial Accounting  
BSEC 2603 Bus & Econ Statistics  
BUCOM 3133 Bus Comm & Report Writing  
BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR  
MGMT 4623 Leadership - complete if more than 60hrs earned  
BUS 4303 Business Strategy & Policy  
BUSLW 3213 The Legal Environment of Business  
ECON 2003 Principles of Macroeconomics  
ECON 2013 Principles of Microeconomics  
FIN 3113 Financial Management  
MGMT 3013 Principles of Management  
MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems  
MKTG 3313 Principles of Marketing

### **Required for Concentration in General Business (24 Credit Hours)**

BUS 4103 Global Business  
BUS 4213 Business Ethics  
ENTR 3103 Introduction to Entrepreneurship  
MGMT 3063 Production/Operations Management

In consultation with their major program advisor, students will select the following:

x1 three (3) hour upper level finance course  
x1 three (3) hour upper level management course  
x1 three (3) hour upper level management information systems course  
x1 three (3) hour upper level marketing course

### **Required Business Administration Electives**

Students will select nine (9) hours of Accounting, Business Administration or Information Technology Management upper level courses.

### **Electives**

Students will select five (5) additional credit hours in consultation with their major program advisor.

### **Special Requirements**

For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

[2024-2025 Major Program Check Sheet - General Business Concentration](#)

[2024-2025 Major Program 4-year Plan - General Business Concentration](#)

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### **2024-2025 Business Administration - Management - Bachelor of Science (120 Credit Hours)**

The Management concentration provides students with the knowledge and professional skills for effective performance in both public and private sector organizations. Managerial skills for large and small businesses are addressed from both a theory and applications approach. The concentration requirements include electives from upper-level business courses to provide the student with the broad-based knowledge necessary in the profession. The 120 credit hours includes ECU's 40 hour general education program.

### **Required Core Courses (42 Credit Hours)**

ACCT 2103 Financial Accounting  
ACCT 2203 Managerial Accounting  
BSEC 2603 Bus & Econ Statistics  
BUCOM 3133 Bus Comm & Report Writing  
BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR  
MGMT 4623 Leadership - complete if more than 60hrs earned  
BUS 4303 Business Strategy & Policy  
BUSLW 3213 The Legal Environment of Business  
ECON 2003 Principles of Macroeconomics  
ECON 2013 Principles of Microeconomics  
FIN 3113 Financial Management  
MGMT 3013 Principles of Management  
MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems  
MKTG 3313 Principles of Marketing

### **Required for Concentration of Management (24 Credit Hours)**

BUS 4103 Global Business\*  
BUS 4213 Business Ethics\*  
ENTR 3103 Introduction to Entrepreneurship  
MGMT 3043 Human Resource Management  
MGMT 3063 Production/Operations Management\*  
MGMT 3103 Organizational Behavior  
MGMT 4623 Leadership - must be completed in either Section B or C; OR  
BUSLW 4253 Employment & Labor Law  
MIS 3453 Advanced Computer Business Applications\*

### **Required Business Administration Electives**



In consultation with their major program advisor, students will select nine (9) hours of Accounting, Business Administration or Information Technology Management at the upper division level.

#### **Related Work**

COMM 1113 Communication in the Workplace  
MATH 1613 Functions & Modeling

#### **Electives**

In consultation with their major program advisor, students will select five (5) additional credit hours of relevant coursework.

#### **Special Requirements**

Courses in the required core as well as those denoted with a \* are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

[2024-2025 Major Program Check Sheet - Management Concentration](#)

[2024-2025 Major Program 4-year Plan - Management Concentration](#)

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#### **2024-2025 Business Administration - Marketing - Bachelor of Science (120 Credit Hours)**

The Marketing concentration prepares students for careers in advertising and promotion, consumer and business-to-business marketing, sales, marketing research, or retailing. The courses required for marketing expose students to the major concepts, tools, and academics that are the foundation for the effective practice of modern marketing. In addition, the Marketing concentration provides a real-world focus and hands-on experience in the development and execution of marketing strategies and programs. The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Core Courses (42 Credit Hours)**

ACCT 2103 Financial Accounting  
ACCT 2203 Managerial Accounting  
BSEC 2603 Bus & Econ Statistics  
BUCOM 3133 Bus Comm & Report Writing  
BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR  
MGMT 4623 Leadership - complete if more than 60hrs earned  
BUS 4303 Business Strategy & Policy  
BUSLW 3213 The Legal Environment of Business  
ECON 2003 Principles of Macroeconomics  
ECON 2013 Principles of Microeconomics  
FIN 3113 Financial Management  
MGMT 3013 Principles of Management  
MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems  
MKTG 3313 Principles of Marketing

#### **Required for Concentration in Marketing (24 Credit Hours)**

BUS 4103 Global Business  
BUS 4213 Business Ethics  
MGMT 3063 Production/Operations Management  
MKTG 3333 Digital Marketing  
MKTG 3423 Integrated Marketing Communications  
MKTG 3813 Professional Selling  
MKTG 4413 Marketing Research  
MKTG 4623 Marketing Analytics & Strategy

#### **Required Business Administration Electives**

In consultation with their major program advisor, students will select nine (9) hours of upper level coursework from Accounting, Business Administration or Information Technology Management.

#### **Related Work**

COMM 1113 Communication in the Workplace  
MATH 1613 Functions & Modeling

#### **Electives**

In consultation with their major program advisor, students will select five (5) additional hours of relevant coursework.

#### **Special Requirements**

For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

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[2024-2025 Major Program 4-year Plan - Marketing Concentration](#)

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#### **2024-2025 Information Technology Management - Data Analytics - B.S. (120 Credit Hours)**

The Data Analytics concentration prepares students for careers that use computer and information skills to analyze data for business decisions. The curriculum integrates the knowledge of basic business courses in accounting, finance, marketing, management, information technology, with data analytics. The graduate will be able to function in the corporate environment, small business sector, or research areas. The 120 credit hours includes ECU's 40 hour general education program.

### **Required Core Courses (39 Credit Hours)**

ACCT 2103 Financial Accounting  
ACCT 2203 Managerial Accounting  
BSEC 2603 Bus & Econ Statistics  
BUCOM 3133 Bus Comm & Report Writing  
BUS 1113 Foundations of Business; OR  
MGMT 4013 Project Management II  
BUSLW 3213 The Legal Environment of Business  
ECON 2003 Principles of Macroeconomics  
ECON 2013 Principles of Microeconomics  
FIN 3113 Financial Management  
ITM 4653 Database Theory and Applications  
ITM 4753 Software Dev & Team Dynamics  
MGMT 3013 Principles of Management  
MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems  
MKTG 3313 Principles of Marketing

### **Required for Concentration in Data Analytics (33 Credit Hours)**

BSEC 3103 Foundations in Data Analytics  
BSEC 4003 Advanced Data Analytics  
BUS 4103 Global Business  
BUS 4213 Business Ethics  
CMPSC 1113 Computer Programming I  
ITM 3473 Data Visualization  
MGMT 3023 Project Management I  
MIS 3453 Advanced Computer Business

In consultation with their major program advisor, students will select nine (9) hours from the following:

FIN 3223 Investment Analysis  
FIN 4626 Applied Finance  
ITM 3423 Web Development  
ITM 3613 Data Comm & Computer Networks  
ITM 3823 Cybersecurity  
ITM 3843 Cloud Management  
ITM 4653 Database Theory & Application  
MKTG 4413 Marketing Research  
MKTG 4623 Marketing Analytics & Strategy

### **Related Work**

COMM 1113 Communication in the Workplace  
MATH 1613 Functions & Modeling

### **Electives**

In consultation with their major program advisor, students will select two (2) additional hours of relevant coursework.

### **Special Requirements**

For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration).

[2024-2025 Major Program Check Sheet - Data Analytics Concentration](#)

[2024-2025 Major Program 4-year Plan - Data Analytics Concentration](#)

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### **2024-2025 Information Technology Management - Information Systems - B.S. (120 Credit Hours)**

The Information Systems concentration prepares students for careers that apply computer knowledge and information technology to the business environment. The curriculum integrates the knowledge of basic business courses in accounting, finance, marketing, and management with information technology. The IS graduate will be able to function in the corporate environment or in the small business sector. The 120 credit hours includes ECU's 40 hour general education program.

### **Required Core Courses (39 Credit Hours)**

ACCT 2103 Financial Accounting  
ACCT 2203 Managerial Accounting  
BSEC 2603 Bus & Econ Statistics  
BUCOM 3133 Bus Comm & Report Writing  
BUS 1113 Foundations of Business; OR  
MGMT 4013 Project Management II  
BUSLW 3213 The Legal Environment of Business  
ECON 2003 Principles of Macroeconomics  
ECON 2013 Principles of Microeconomics  
FIN 3113 Financial Management  
ITM 4653 Database Theory and Applications  
ITM 4753 Software Dev & Team Dynamics



MGMT 3013 Principles of Management  
 MIS 1903 Computer Business Applications  
 MIS 3433 Management Information Systems  
 MKTG 3313 Principles of Marketing

#### **Required for Concentration in Information Systems (33 Credit Hours)**

BSEC 3103 Foundation of Data Analytics  
 BUS 4103 Global Business  
 BUS 4213 Business Ethics  
 CMPSC 1113 Computer Programming I  
 ITM 3423 Web Development  
 ITM 3473 Data Visualization  
 ITM 3613 Data Comm & Computer Networks  
 ITM 3823 Cybersecurity  
 ITM 3843 Cloud Management  
 MGMT 3023 Project Management I  
 MIS 3453 Adv Computer Business Applications

#### **Related Work**

COMM 1113 Communication in the Workplace  
 MATH 1613 Functions & Modeling

#### **Electives**

In consultation with their major program advisor, students will select two (2) additional hours of relevant coursework.

#### **Special Requirements**

For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration).

[2024-2025 Major Program Check Sheet - Information Systems Concentration](#)

[2024-2025 Major Program 4-year Plan - Information Systems Concentration](#)

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#### **2024-2025 Information Technology Management - Project Management - B.S. (120 Credit Hours)**

The Project Management concentration prepares students for careers that apply computer knowledge and information technology to project management. The curriculum integrates the knowledge of basic business courses in accounting, finance, marketing, and management, information technology, and project management. The graduate will complete the coursework recommended by the Project Management Institute and meets the educational requirements for professional certification. The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Core Courses (39 Credit Hours)**

ACCT 2103 Financial Accounting  
 ACCT 2203 Managerial Accounting  
 BSEC 2603 Bus & Econ Statistics  
 BUCOM 3133 Bus Comm & Report Writing  
 BUS 1113 Foundations of Business; OR  
 MGMT 4013 Project Management II  
 BUSLW 3213 The Legal Environment of Business  
 ECON 2003 Principles of Macroeconomics  
 ECON 2013 Principles of Microeconomics  
 FIN 3113 Financial Management  
 ITM 4653 Database Theory and Applications  
 ITM 4753 Software Dev & Team Dynamics  
 MGMT 3013 Principles of Management  
 MIS 1903 Computer Business Applications  
 MIS 3433 Management Information Systems  
 MKTG 3313 Principles of Marketing

#### **Required for Concentration in Project Management (33 Credit Hours)**

BSEC 3103 Foundations of Data Analytics  
 BUS 4103 Global Business  
 BUS 4213 Business Ethics  
 CMPSC 1113 Computer Programming I  
 MGMT 3023 Project Management I  
 MGMT 4013 Project Management II; OR  
 MGMT 4623 Leadership  
 MGMT 4023 Project Management III  
 MIS 3453 Adv Computer Business Applications

In consultation with their major program advisor, students will select nine (9) additional hours from the following:

ITM 3423 Web Development  
 ITM 3473 Data Visualization  
 ITM 3613 Data Comm & Computer Networks  
 ITM 3823 Cybersecurity  
 ITM3843 Cloud Management  
 ITM 4653 Database Theory & Applications  
 MGMT 3043 Human Resource Management  
 MGMT 3063 Production/Operation Management  
 MGMT 3103 Organizational Behavior

MGMT 4623 Leadership

### **Related Work**

COMM 1113 Communication in the Workplace

MATH 1613 Functions & Modeling

### **Electives**

In consultation with their major program advisor, students will select two (2) additional hours of relevant coursework.

### **Special Requirements**

For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration).

[2024-2025 Major Program Check Sheet - Project Management Concentration](#)

[2024-2025 Major Program 4-yr Plan - Project Management Concentration](#)

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### **2024-2025 Minor in Business Administration (18 Credit Hours)**

#### **Required Courses**

ACCT 2003 Fin & Mgrl Acct for Non-Bus Majors

BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR

MGMT 4623 Leadership - complete if more than 60hrs earned

ECON 2003 Principles of Macroeconomics

MGMT 3013 Principles of Management

MKTG 3313 Principles of Marketing

#### **Electives**

Students will select an additional three (3) hours from Accounting or Business Administration upper level courses - or complete COMM 3243 (ORGL courses do not count as Electives).

#### **Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

[2024-2025 Business Administration Minor Check Sheet](#)

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### **2024-2025 Minor in Business Administration for Music Majors (18 Credit Hours)**

#### **Required Courses**

Select one of the following:

ACCT 2003 Fin & Mgrl Acct for Non-Bus Majors

BUS 1113 Foundations of Business - must be completed prior to 60hrs earned; OR

MGMT 4623 Leadership - complete if more than 60hrs earned

Complete each of the following:

MGMT 3013 Principles of Management

MIS 1903 Computer Business Applications

MKTG 3313 Principles of Marketing

MKTG 3333 Digital Marketing

#### **Electives**

Students will select an additional three (3) hours from Accounting or Business Administration upper level courses - or complete COMM 3243 (ORGL courses do not count as Electives).

#### **Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

[2024-2025 Business Admin. for Music Majors Minor Check Sheet](#)

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### **2024-2025 Minor in Data Analytics (18 Credit Hours)**

#### **Required Courses**

BSEC 2603 Business & Economic Statistics

BSEC 3103 Foundations of Data Analytics

ITM 3473 Data Visualization

MIS 1903 Computer Business Applications

MIS 3433 Management Information Systems

#### **Electives**

Students will select three (3) additional hours from upper level courses in Business Administration, Information Technology Management or Computer Science.

**Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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**2024-2025 Minor in Entrepreneurship (18 Credit Hours)****Required Courses**

ENTR 3103 Intro to Entrepreneurship  
 ENTR 4413 Bus Planning & Strat for Entr  
 MGMT 3013 Principles of Management  
 MKTG 3313 Principles of Marketing  
 MKTG 3333 Digital marketing; OR  
 MKTG 3813 Professional Selling

**Electives**

Students will select three (3) hours of upper level Business Administration coursework - OR complete COMM 3243 (ORGL courses do not count as electives).

**Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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**2024-2025 Minor in Finance (18 Credit Hours)****Required Courses**

ACCT 2103 Financial Accounting  
 BSEC 2603 Business & Economic Statistics  
 ECON 2003 Principles of Macroeconomics  
 FIN 3113 Financial Management

Select six (6) hours of the following:

BUS 4103 Global Business  
 BUS 4213 Business Ethics  
 FIN 3003 Money & Banking  
 FIN 3223 Investment Analysis & Planning  
 FIN 3833 Commercial Bank Mgmt  
 FIN 3913 Insurance Planning & Risk Management  
 FIN 4263 Real Estate Development & Investment  
 FIN 4623 Applies Finance  
 MGMT 3063 Production/Operations Mgmt

**Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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**2024-2025 Minor in Human Resources Management (18 Credit Hours)****Required Courses**

BUSLW 4253 Employment & Labor Law  
 MGMT 3013 Principles of Management  
 MGMT 3043 Human Resources Management  
 MGMT 3103 Organizational Behavior  
 MGMT 4313 Compensation & Benefits  
 MGMT 4232 Human Resources Training & Development

**Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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**2024-2025 Minor in Information Systems (18 Credit Hours)****Required Courses**

## Academic Colleges

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MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems

Students will select 12 hours from the following:

ACCT 2103 Financial Accounting  
ENTR 3103 Intro to Entrepreneurship  
ITM 3423 Web Development  
ITM 3613 Data Communications & Computer Networks  
ITM 3823 Cybersecurity  
ITM 4653 Data Base Theory & Applications  
ITM 4753 Software Development & Team Dynamics  
MGMT 3013 Principles of Management  
MIS 3453 Advanced Comp Business Applications  
MKTG 3313 Principles of Marketing

### Special Requirements

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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### 2024-2025 Minor in Management (18 Credit Hours)

#### Required Courses

MGMT 3013 Principles of Management

Student will select nine (9) hours from the following:

ENTR 3013 Intro to Entrepreneurship  
MGMT 3043 Human Resources Management  
MGMT 3063 Production/Operations Mgmt  
MGMT 3103 Organizational Behavior  
MGMT 4623 Leadership

#### Electives

Students will select six (6) hours of upper level Accounting or Business Administration coursework - or COMM 3243 (ORGL courses do not count as electives).

### Special Requirements

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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### 2024-2025 Minor in Marketing (18 Credit Hours)

#### Required Courses

MKTG 3313 Principles of Marketing

Student will select nine (9) from the following:

MKTG 3333 Digital Marketing  
MKTG 3423 Integrated Marketing Communications  
MKTG 3813 Professional Selling  
MKTG 4413 Marketing Research  
MKTG 4623 Marketing Analytics & Strategy

#### Electives

Students will select six hours of upper level Accounting or Business Administration coursework; OR

One of the following:

COMM 3243  
MCOM 3343  
MCOM 3843  
MCOM 4323

### Special Requirements

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

[2024-2025 Marketing Minor Check Sheet](#)

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### 2024-2025 Minor in Military Science (20 Credit Hours)

#### Required Courses

MS 1000 Military Science Leadership Lab - must be completed each semester

MS 1313 Intro to Military Leadership and Personal Development  
 MS 2122 Foundations of Leadership  
 MS 3422 Foundations of Tactical Leadership  
 MS 3315 Military Leadership & Management  
 MS 3325 Military Tactics & Operations

Students will select three (3) hours from the following:  
 HIST 3133 Contemporary American History  
 HIST 4713 Civil War & Reconstruction in the United States  
 PS 4353 Study of War

#### **Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

[2024-2025 Military Science Minor Check Sheet](#)

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#### **2024-2025 Minor in Project Management (18 Credit Hours)**

##### **Required Courses**

ACCT 2103 Financial Accounting  
 MGMT 3013 Principles of Management

The following courses must be completed in the order listed.

MGMT 3023 Project Management I  
 MGMT 4013 Project Management II  
 MGMT 4023 Project Management III

##### **Electives**

Students will select three (3) hours of upper level Business Administration, Information Technology Management or Computer Science coursework.

#### **Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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#### **2024-2025 Minor in Promotions Management (18 Credit Hours)**

##### **Required Courses**

MGMT 3013 Principles of Management  
 MGMT 4623 Leadership  
 MKTG 3313 Principles of Marketing  
 MKTG 3423 Integrated Marketing Communications

Students will select six (6) hours from the following:

MCOM 3343 Digital Publishing; OR  
 MCOM 3843 Advertising Copy & Layout  
 MCOM 3893 Publish Relations  
 MCOM 4813 Publish Relations Writing

#### **Special Requirements**

At least three (3) hrs of upper division coursework from ECU must be applied toward the minor.

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#### **2024-2025 Entrepreneurship Certificate (30 Credit Hours)**

##### **Required Courses**

ACCT 2103 Financial Accounting  
 BUCOM 3133 Business Communications & Report Writing  
 BUS 2883 Special Studies in Bus Math & Stats; OR  
 BSEC 2603 Bus & Econ Statistics  
 ENTR 3103 Intro to Entrepreneurship  
 ENTR 4413 Business Planning & Strategy for Entrepreneurship; OR  
 ENTR 4503 Venture Creation  
 MGMT 3013 Principles of Management  
 MKTG 3313 Principles of Marketing  
 MKTG 3333 Digital Marketing

##### **Electives**

Select two courses (6 credit hours) from the following:

ACCT 2103 Financial Accounting  
ACCT 3203 Cost Accounting I  
ACCT 3303 Intermediate Accounting I  
ACCT 3453 Advanced Computer Accounting Applications  
BUSLW 3213 The Legal Environment of Business  
COMM 2253 Communications in the Workplace  
COMM 3243 Presentational Communication  
ENTR 4413 Bus Planning & Strategy for Entrepreneurship  
ENTR 4503 Venture Creation  
MIS 3453 Advanced Computer Business Applications  
MKTG 3333 Digital Marketing; OR  
MKTG 4413 Marketing Research

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### 2024-2025 Banking & Finance Certificate (30 Credit Hours)

#### Required Courses

ACCT 2103 Financial Accounting  
BUS 2883 Special Studies - Business Math & Statistics; OR  
BSEC 2603 Business & Economic Statistics  
FIN 4103 Essentials of Banking & Finance (spring semester only)

#### Electives

Students will select seven course (21 credit hours) from the following:

BUCOM 3133 Business Communications & Report Writing  
COMM2253 Communications in the Workplace  
ECON 2003 Principles of Macroeconomics  
FIN 3113 Financial Management  
FIN 3833 Commercial Bank Management (fall semester only)  
FIN 3913 Principles of Insurance & Risk Management (spring semester only)  
FIN 4263 Real Estate Development & Investment (spring semester only)  
MGMT 3043 Human Resources Management  
MIS 1903 Computer Business Applications  
MIS 3613 Data Communications & Computer Networks (spring semester only)  
MKTG 3813 Professional Selling (spring semester only)

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### 2024-2025 Global Business Certificate (30 Credit Hours)

#### Required Courses

BUCOM 3133 Business Communications & Report Writing  
BUS 4103 International Business\*  
BUS 4983 Seminar: European Economics\*  
MGMT 3013 Principles of Management  
MGMT 3043 Human Resources Management  
MGMT 3103 Organizational Behavior\*  
MGMT 4623 Leadership  
MKTG 3423 Integrated Marketing Communications\*

#### Electives

Students will select two courses (6 credit hours) from the following:

BUS 4213 Business Ethics  
BUS 4981 (SL) Seminar: International Team Project\*  
COMM 2243 Communications in the Workplace  
HIST XXX3 General Education Course - European Culture\*  
MIS 3433 Management Information Systems  
MKTG 3313 Principles of Marketing

\* Courses taken at the University of Limoges in France. Students with an intent to pursue study abroad should review the relevant catalog policy governing the evaluation of foreign credits.

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### 2024-2025 Human Resources Management Certificate (30 Credit Hours)

#### Required Courses



BUS 4983 Seminar - Employment Law (summer term only); OR  
 BUSLW 4253 Employment & Labor Law  
 BUCOM 3133 Business Communications & Report Writing  
 COMM 2253 Communications in the Workplace  
 MGMT 3013 Principles of Management  
 MGMT 3043 Human Resources Management  
 MGMT 3103 Organizational Behavior  
 MGMT 4313 Compensation & Benefits (fall semester only)  
 MGMT 4323 Human Resources Development (spring semester only)

#### **Electives**

Students will select two courses (6 credit hours) from the following:

BUS 4213 Business Ethics  
 COMM 3243 Presentational Communications  
 ENTR 3103 Introduction to Entrepreneurship  
 ENTR 4413 Business Planning & Strategy for Entrepreneurs  
 MGMT 4623 Leadership  
 MIS 3453 Advanced Computer Business Applications  
 MKTG 3313 Principles of Marketing

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#### **2024-2025 Management Information Systems Certificate (30 Credit Hours)**

##### **Required Courses**

MGMT 3111 PM - Intro to Project Management; AND  
 MGMT 3121 PM - Project Planning; AND  
 MGMT 3131 PM - Project Management System; OR  
 BUS 4983 Seminar: Project Management I  
 MIS 1903 Computer Business Applications  
 MIS 3433 Management Information Systems  
 MIS 4653 Data Base Theory & Application; OR  
 CMPSC 4213 Data Base Design  
 MIS 4753 MIS Development Project; OR  
 CMPSC 3943 Software Design & Development  
 CMPSC 1113 Computer Programming I

##### **Electives**

Student will select five courses (15 credit hours) from the following:

ACCT 2003 Financial & Managerial Accounting for Non-Business Majors  
 ENTR 3103 Introduction to Entrepreneurship  
 MGMT 3013 Principles of Management  
 MIS 1903 Computer Business Applications  
 MIS 3423 Net Web Development  
 MIS 3453 Advanced Computer Business Applications  
 MIS 3613 Data Communications & Computer Networks  
 MIS 3823 Information Management & Policy  
 MIS 4513 Structure System Analysis & Design  
 MKTG 3313 Principles of Marketing

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#### **2024-2025 Personal Finance Planning Certificate (30 Credit Hours)**

##### **Required Courses**

ACCT 2103 Financial Accounting  
 ACCT 3383 Federal Income Tax Accounting  
 ECON 2003 Macroeconomics  
 FIN 3013 Fundamentals of Financial Planning (fall semester only)  
 FIN 3023 Retirement & Estate Planning  
 FIN 3113 Financial Management  
 FIN 3223 Investment Analysis & Planning (spring semester only)  
 FIN 3913 Insurance Planning & Risk Management (fall semester only)  
 FIN 4453 Financial Plan Development  
 MKTG 3813 Professional Selling

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#### **2024-2025 Project Management/Management Certificate (30 Credit Hours)**

### Required Regular Courses

ACCT 2103 Financial Accounting; AND  
ACCT 2203 Managerial Accounting; OR  
ACCT 2003 Financial & Managerial Accounting for Non-Business Majors  
MGMT 3103 Principles of Management

### Required Specialized Courses

MGMT 3023 Project Management I  
MGMT 4013 Project Management II  
MGMT 4023 Project Management III

### Electives

Student will select 4-5 courses (12-15 credit hours) from the following:

ACCT 3203 Cost Accounting  
CMPSC 3943 Software Design & Development  
CMPSC 3223 Unix & C Programming  
CMPSC 4223 Unix System Administration  
CMPSC 3233 Linux Tools  
COMM 2253 Business Communications in the Workplace; OR  
COMM 1113 Fundamentals of Human Communication  
ENTR 4413 Business Planning & Strategy for Entrepreneurs  
ENTR 4503 Venture Creation  
FIN 3113 Financial Management  
FIN 4623 Applied Management  
MGMT 3063 Production/Operations Management  
MGMT 4623 Dynamic Management  
MGMT 3103 Organizational Behavior  
MGMT 4813 PM-Project Management Professional (PMP) Certification Prep Course  
MIS 4753 Development Project  
MIS 3433 Management Information Systems  
MKTG 3313 Principles of Marketing  
MKTG 3333 Digital Marketing  
MKTG 3813 Professional Selling

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### 2024-2025 Promotions Management Certificate (30 Credit Hours)

#### Required Courses

ACCT 2103 Financial Accounting; OR  
ACCT 2003 Financial & Managerial Accounting for Non-Business Majors  
MCOM 3343 Digital Publishing; OR  
MCOM 3843 Advertising Copy & Layout  
MCOM 3893 Publish Relations  
MCOM 4813 Public Relations Writing  
MGMT 3013 Principles of Management  
MKTG 3313 Principles of Marketing  
MKTG 3423 Integrated Marketing Communications

#### Electives

Students will select three courses (9 credit hours) from the following:

BUCOM 3133 Business Communications & Report Writing  
COMM 1113 Fundamentals of Human Communication  
COMM 2253 Communications in the Workplace  
MCOM 3343 Digital Publishing  
MCOM 3843 Advertising Copy & Layout  
MGMT 3043 Human Resources Management  
MGMT 4623 Leadership  
MKTG 3333 Digital Marketing  
MKTG 3813 Professional Selling  
MKTG 4414 Marketing Research  
MKTG 4623 Marketing Analysis

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### 2024-2025 Managerial Accounting Certificate (30 Credit Hours)

#### Required Courses

ACCT 2203 Managerial Accounting  
ACCT 3203 Cost Accounting  
ACCT 3303 Intermediate Accounting I  
ACCT 3413 Business Ethics for Accountants

FIN 3113 Financial Management  
ACCT 4203 Advanced Cost Accounting

**Electives**

Student will select four courses (12 credit hours) from the following:

ACCT 3453 Advanced Computer Acct Applications

ACCT 4303 Advanced Accounting

ACCT 4503 Auditing

MGMT 3013 Principles of Management

MIS 3433 Management Information Systems

ECON 2013 Principles of Microeconomics; OR

Another upper level Accounting or Business Administration course approved by the department.

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**2024-2025 Treasury Management Certificate (30 Credit Hours)****Required Courses**

ACCT 3303 Intermediate Accounting I

ACCT 4453 Short-Term Financial Management

ACCT 3413 Business Ethics for Accountants; OR

BUS 4213 Business Ethics

FIN 3113 Financial Management

**Electives**

Students will select six courses (18 credit hours) from the following:

ACCT 3403 Intermediate Accounting II

ACCT 3453 Advanced Computer Acct Applications

ACCT 3713 Governmental & Non-Profit Accounting

ACCT 4303 Advanced Accounting

BUSLW 3253 Business Law

MIS 3433 Management Information Systems

ECON 2013 Principles of Microeconomics

Note: Other upper level Accounting or Business Administration courses may be used, but only if pre-approved by the department.

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## COLLEGE OF EDUCATION & PSYCHOLOGY

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### College of Education & Psychology

Jerry Mihelic, Dean

Department of Education  
Department of Kinesiology  
Department of Psychology

2024-2025 Education (EDUC) Courses  
2024-2025 Education Psychology (EDPSY) Courses  
2024-2025 Education Library Sci. (EDLBS) Courses  
2024-2025 Kinesiology (KIN) Courses  
2024-2025 Psychology (PSYCH) Courses  
2024-2025 Psychology Sociology (PSYSOC) Courses  
2024-2025 Psychology Human Resources (HRPSY) Courses

### Department of Education

#### Majors Offered

Early Childhood Education (Teacher Certification) - Bachelor of Science  
Elementary Education (Teacher Certification) - Bachelor of Science

#### Minor Offered

Education

#### Departmental Information

The Department of Education serves the University in three essential functions. The first function is to prepare students in the three areas of specialization the department offers at the undergraduate level: Elementary Education and Early Childhood Education. The areas of specialization lead to teacher licensure and certification in Oklahoma. The second function is to provide professional education courses which enable competent educators in all of the teacher education programs at the University. The third and final function is the offering of eight options at the master's level (see Section on School of Graduate Studies). The graduate program prepares individuals for a variety of occupations in public schools, related positions in institutions, business, industry, or hospitals.

Each teacher certification program offered at East Central University is nationally accredited by The Council for the Accreditation of Educator Preparation. The teacher preparation program addresses both national standards and Oklahoma's required 10 competencies. All standards are delivered within ECU's PRIDE conceptual framework where faculty are committed to preparing Professional, Reflective, Innovative and Dedicated Educators. Integrated throughout the program are technology standards and best practices in STEM education. These experiences are enhanced by additional workshops organized through ECU's Institute for Math and Science Education. Students preparing to teach in secondary schools acquire a content knowledge base and competency in their respective specialty fields to teach at the middle school, junior high, or high school level. Elementary Education majors are prepared to teach in elementary, middle school, or junior high through eighth grade. Early Childhood Education majors prepare to teach in nursery schools, kindergartens, and grades one through three. Field experiences provide supervised interactions with public school children before and during student teaching.

All teacher certification programs provide academic backgrounds for students wishing to pursue graduate level education. These advanced studies lead to an expanded professional knowledge base and set of skills which may provide access and entry into professional careers in education. The professional careers include school administration, supervision, educational technology, library media, guidance and counseling, special education, school psychology and psychometry, and research.

#### Elementary Education Program

Elementary Education majors develop skill and competency in educating children in grades one through eight. The student acquires an academic foundation in language arts, mathematics, science, and social studies by completing at least twelve semester hours in each of these content areas. Elementary Education majors expand their teaching knowledge and skills in the use of teaching methods, materials, various assessment instruments, and appropriate technologies toward meeting the educational needs of elementary students. They develop perspective and skills in planning, organizing, implementing, and evaluating learning activities and lessons. Students also learn appropriate classroom management skills that provide a setting and climate conducive to learning and growth.

#### Early Childhood Education Program

Students who major in Early Childhood Education complete courses concentrating on the development and education of young children. This program leads to state certification for teaching children in nursery school, kindergarten, and grades one, two, and three. The study focuses students on (a) developing an understanding of the unique characteristics and needs of pre-primary and primary level children, (b) learning to assess emerging skills, and (c) planning and executing learning activities appropriate for young learners at various stages of development. Early Childhood majors complete twelve semester hours in each of these areas: science, mathematics, social studies, and language arts. The student who majors in Early Childhood Education will gain practical experiences with prekindergarten through third grade children before and during the student teaching experience.

Requirements for Retention & Graduation in Teacher Education  
Appeal, Dismissal & Suspension - Teacher Education

#### Criteria for Admission to Teacher Education

Students who are considering teacher education as a career must make an application for admission into the Teacher Education Program. Applications for admission will be completed while enrolled in EDUC 2012, Diversity in American Education. Applications for Teacher Education are considered in light of the student's disposition for the teaching profession, work in Block I, college grade point average, English Composition grades or HNRS 2313 in place of ENG 1213, grade in Fundamentals of Human Communication, personnel records, and other pertinent data, including but not limited to, OSRHE requirements. An interview, which includes an evaluation of ethics, is held with the student by a team of education faculty. After full consideration, the applicant is either admitted to the teacher education program or referred for a second interview. After a second interview if an applicant is denied, a student can appeal to the Professional Education Committee (see section titled, "Suspension, Dismissal and Appeals").

#### A student must meet the following criteria to be admitted to the Teacher Education Program:1=

1.) Submit a completed "Admission for Teacher Education Application" form. Applications can be obtained from the Department of Education.

2.) Have completed at least 44 credit hours with a 2.5 GPA or higher.

3.) Achieve a "C" or above in ENG 1113 Freshman Composition I, ENG 1213 Freshman Composition II or HNRS 2313 Enduring Questions: Perspectives from Rhetoric and Research (Honors Students Only), and COMM 1113 Fundamentals of Human Communication. The student can be currently enrolled in these courses but may not progress to professional block II without achieving a "C" or better upon completion of each course.

4.) Receive a satisfactory recommendation from an education faculty review committee. This review committee will conduct an interview and review a student's disposition record when considering an applicant.

5.) Provide documentation of experiences working with children/youth. (completion of EDUC 2211 Field I or concurrent enrollment will satisfy this state requirement) as required by the state.

6.) Provide a background check showing they have not been convicted of a felony, any crime involving moral turpitude or a felony violation of the narcotic laws of the United States or the State of Oklahoma within the preceding ten-year period.

7.) Meet one of the requirements as outlined by OSRHE 3.21 in the OSRHE Academic Affairs Policy and Procedures manual.

If a person is denied entry into the Teacher Education Program a new application for admission may be submitted. In addition the person may submit a written appeal for reconsideration. Appeal procedures are available upon request from department chair.

#### **Requirements for Retention & Graduation in Teacher Education**

Students admitted to the Teacher Education Program must maintain their eligibility by meeting the Education Department's dispositional and academic standards. The Teacher Education Program has an ongoing informal evaluation, and specified reviews of teacher education majors regarding continued eligibility for retention, certification, and graduation in teacher education. The following is the review procedure for retention:

1.) A continuous informal evaluation occurs for each student admitted to the Teacher Education Program. This evaluation includes each professor being sensitive to student problems or concerns. If a professor observes a problem or concern and considers that it does not meet the Education Department's dispositional and academic standards, the professor will file a dispositional concern with the Chair of the Department of Education. The Education Chair or designee will investigate the matter.

2.) As a student progress through the program, reviews consist of the following two parts: (a) an examination of the student's grade point average, and (b) performance review by the Education Chair or designee, which may include the student's disposition and portfolio performance. A student not maintaining an overall grade point average of 2.5 or better in all college work attempted may not enroll in professional education or pedagogical courses (e.g. methods, teaching) in one's major. Students are required to receive a "C" or better in professional education coursework and a "C" or better for coursework in one's major unless otherwise allowed by the program. If a "D" or below is received, a student shall retake the course.

- Unsatisfactory disposition and portfolio work may impact eligibility for program retention. An unfavorable evaluation by the Education Chair or designee may lead to either a recommendation to continue in the program under a plan of improvement or a recommendation for dismissal from the program.

3.) When the student submits an Application for Student Teaching, an additional review is completed.

4.) The evaluation process continues through the student teaching semester.

A student recommended for dismissal from the Teacher Education Program as a result of the review procedure may appeal to the Professional Education Committee. (see section titled, "Suspension, Dismissal, and Appeals").

#### **Suspension, Dismissal and Appeals**

##### **Suspension from the Teacher Education Program**

A candidate shall be suspended when the Education Chair maintains a reasonable belief that grounds exist for a suspension from the Teacher Education Program. The Education Chair shall notify the candidate of the suspension in writing, and said suspension shall not extend beyond ten (10) business days. On or before day 10 of the suspension, the Education Chair shall in writing either reinstate the candidate to the Teacher Education Program or recommend a review by the Professional Education Council (PEC). To the extent possible, a candidate reinstated after the initiation of the suspension from the Teacher Education Program will be restored to their previous position and status without action detrimental to their studies, progress, and evaluation of their work. The Education Chair will decide if the applicant or candidate will be allowed to attend classes, including field experiences and student teaching, during the suspension.

##### **Dismissal from the Teacher Education Program**

The obligation for maintaining academic integrity, professional standards and ethics, and legal responsibilities should be considered fundamental in the preparation of future educators. ECU's Teacher Education Program assumes this obligation to students, parents, guardians, public schools, and the State of Oklahoma. The Teacher Education Program will dismiss from the program those candidates deemed unsuitable teacher education students.

East Central University may dismiss from the Teacher Education Program any candidate whose personal conduct is deemed detrimental to:

- 1.) The welfare of students in the public schools;
- 2.) The teacher education program's effective working relationship with the public schools;
- 3.) The candidate's future success in the program;
- 4.) The candidate's ability to effectively teach;
- 5.) The teacher education program's role in training future educators; or
- 6.) The profession of teaching. Behavior that may constitute grounds for dismissal from the teacher education program includes, but is not limited to, conduct that may result in felony conviction.

A candidate being considered for dismissal from the Teacher Education Program for personal conduct shall be notified in writing by the Education Chair. Such written notice shall include:

- 1.) General description of the reasons for the consideration; and

2.) The date, time, and location of a review by the Professional Education Committee (PEC), which shall be held not more than ten (10) business days after the candidate receives notification of his or her consideration for dismissal.

At the PEC review, the candidate will be provided the opportunity to submit applicable evidence and call any witnesses. The PEC will also review other relevant information and may do so in private, if needed. Following the PEC review, the PEC Chair will notify the candidate in writing about the committee's decision regarding his or her dismissal from the Teacher Education Program and, if needed, the process to appeal the decision.

### Appeals

The appeal procedures for students denied admittance to or dismissed from the Teacher Education Program are as follows:

1.) The applicant or candidate initiates the appeal process by providing written notice to the Dean of the College of Education and Psychology. If appealing a denied admittance to the Teacher Education program, the written notice shall be submitted within ten (10) business days following the Education Chair's notification to the applicant about denied admittance to the Teacher Education Program. If appealing a dismissal from the Teacher Education Program, the written notice shall be submitted within ten (10) business days following the Professional Education Council (PEC) Chair's notification to the applicant about being dismissed from the Teacher Education Program. A written notice received after ten (10) business days will not be considered.

2.) The Dean of the College of Education and Psychology will set a hearing within ten (10) business days of receipt of written notice for appeal and notify the applicant or candidate in writing of the date, time, and location.

3.) At the hearing, the Education Chair (denied admittance appeals) or Professional Education Council Chair (dismissal appeals) will be provided the opportunity to submit applicable evidence and call any witnesses. Then, the applicant or candidate will be provided the opportunity to submit applicable evidence and call any witnesses.

4.) At the end of the hearing, the Dean of the College of Education and Psychology will announce his or her decision about the appeal and provide written notification not more than five (5) business days to all parties. Said written notice shall include a finding of facts and the decision.

5.) The Dean of the College of Education and Psychology maintains the right to adjust the appeal procedures for extenuating circumstances, provided the adjustments do not eliminate an applicant or candidate's right to a hearing.

The Education Chair will decide if the applicant or candidate will be allowed to attend classes, including field experiences and student teaching, during the pendency of the hearing.

### Application for Student Teaching

A teacher candidate must file an "Application for Admission to Student Teaching" during the preceding semester in which they expect to student teach. This normally occurs during Block III. Approval for student teaching must be granted prior to enrolling in student teaching courses.

A teacher candidate must meet the following criteria to be admitted to the student teaching:

1.) Created a Single Sign On account with the Oklahoma State Department of Education (OSDE);

2.) Have a background check showing they have not been convicted of a felony, any crime involving moral turpitude or a felony violation of the narcotic laws of the United States or the State of Oklahoma within the preceding ten-year period.

3.) Have a 2.5 GPA (Grad. Retn.) or better;

4.) Admitted and not currently on a Student Plan of Improvement in the Teacher Education Program;

5.) Completed all pedagogical courses (e.g. methods, teaching) in one's major.

6.) Verify foreign language requirement by demonstrating conversation skills at a novice high level, earning a "C" or better in college-level foreign language coursework, passing an exit exam from a college-level course, or demonstrating 2 years of foreign language at the high school level with a "C" or better for both years.

7.) Earned a "C" or better for coursework in one's major unless otherwise allowed by program.

8.) Earned a "C" or better in the following Professional Education courses:

EDUC 2012 Diversity in American Education  
EDUC 2211 Field Experience I  
EDUC 2402 Survey of Exceptional Children  
EDUC 2631 Foundations of Educational Technology  
EDUC 3001 Field Experience II  
EDUC 4042 Strat for Effective Teach in Eleme and Early Childhood Ed; OR  
EDUC 4052 Effective Teaching in Secondary Education  
EDUC 4611 Field Experience III  
EDUC 4632 Strategies for Implementing Educational Technology  
EDPSY 3513 Educational Psychology  
PSYCH 3463 Child and Adolescent Psychology

Unless a teacher candidate meets all of these requirements the application will be denied. Once all requirements have been met and approved, candidates will be notified by email from the Coordinator of Field Experience & Student Teaching that they have been accepted to the cohort. Applicants who are not admitted to the student teaching semester may appeal in writing (See Appeal, Dismissal, Suspension Policy). At the end of the student teaching admission process, the teacher candidate will either be approved, conditionally approved, or denied. The department will notify each teacher candidate in writing about their approval status to student teaching. If an applicant is denied admittance during the initial application process, the Education Chair's notification shall identify the criteria they failed to meet and the process for appealing the decision. Anyone denied student teaching may apply at a later date.

### Professional Education Sequence

EDUC 2402 Survey of Exceptional Children  
PSYCH 3463 Child & Adolescent Psychology



The following courses to be taken when a sophomore or junior:

EDUC 2012 Diversity in American Education (complete same term as EDUC 2211 & 2632)  
 EDUC 2631 Foundations of Education Technology (complete same term as EDUC 2012 & 2211)  
 EDUC 2211 Field Experience I (complete same term as EDUC 2012 & 2631)

The following courses to be taken when a junior:

EDPSY 3513 Educational Psychology (complete same term as EDUC 3001)  
 EDUC 3001 Field Experience II (complete same semester as EDPSY 3513)

The following courses to be taken when a senior:

EDUC 4042 Strategies for Effective Teaching Elem/Early Childhood  
 - To be completed same term as EDUC 4611 & 4632 for all elem/early childhood education teacher cert majors; OR  
 EDUC 4052 Effective Teaching in Secondary Education  
 - To be completed same term as EDUC 4611 & 4632 for all secondary education teacher cert majors.  
 EDUC 4632 Education Technology Integration Strategies  
 - To be completed same term as EDUC 4042 & 4611  
 EDUC 4611 Field Experience III  
 - To be completed same term as EDUC 4042 & 4632

The following courses to be taken when a senior, either the first or second semester - no other courses shall be taken.

EDUC 4262 Student Teaching Seminar I  
 EDUC 4282 Student Teaching Seminar II

The first, second or third pair of the following courses.

EDUC 4954 Supervised Student Teaching Elementary Schools  
 EDUC 4954 Supervised Student Teaching Elementary Schools  
 EDUC 4964 Supervised Student Teaching Grades PK-12  
 EDUC 4964 Supervised Student Teaching Grades PK-12  
 EDUC 4974 Supervised Student Teaching Secondary Schools  
 EDUC 4974 Supervised Student Teaching Secondary Schools

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## **2024-2025 Early Childhood Education - Bachelor of Science (120 Credit Hours)**

### **Required General Education Courses (40 Credit Hours)**

For this program students are required to take certain courses toward the completion of their general education.

ENG 1113 Freshman Composition I  
 ENG 1213 Freshman Composition II or HNRS 2313  
 PS 1113 US Government  
 PSYCH 1113 General Psychology  
 BIO 1114 General Biology  
 PHSCI 1114 General Physical Science  
 KIN 2183 Basic Nutrition  
 UNIV 1001 Tiger Connect  
 GEOG 1214 Earth Science

Choose one of the following

HIST 2483 US History Survey to 1877  
 HIST 2493 US History Survey Since 1877

Choose one of the following

HIST 1123 Modern Western Civilization  
 HIST 1113 Foundations of Western Civilization  
 HIST 2613 Explorations World History & Culture

Choose one of the following

HUM 2313 Multicultural American Literature  
 HUM 2323 Global Literature or HNRS 1313  
 HUM 2413 Responding to Literature

Choose one of the following

MATH 1413 Survey of Mathematics  
 MATH 1513 College Algebra  
 MATH 1613 Functions & Modeling

Note: Student must meet each of the five General Education Student Learning Outcomes at least once.

### **Major in Early Childhood Education (33 Credit Hours)**

EDLBS 4913 Children's Literature  
 EDUC 3013 Methods of Emergent Literacy  
 EDUC 3033 Soc & Guide Young Child  
 EDUC 3043 Educ, Dev, & Obs Young Child  
 EDUC 3463 Foundations of Reading  
 EDUC 3483 Methods of Reading  
 EDUC 3493 Reading Assessment for Instruction  
 EDUC 3503 Meth Elem Math - Primary  
 EDUC 3603 Sci & Soc Stu For Early Childhood  
 EDUC 3753 Meth of Early Childhood Education

### **Related Work (12 Credit Hours)**

MATH 2713 Mathematical Concepts I  
MATH 2723 Mathematical Concepts II  
MATH 2733 Mathematical Concepts III  
MATH 1113 Fundamentals of Human Communication

### **Professional Education (30 Credit Hours)**

EDUC 2402 Survey of Exceptional Child  
PSYCH 3463 Child and Adolescent Psychology  
EDUC 2012 Diversity in American Education  
EDUC 2631 Foundations of Educational Technology  
EDUC 2211 Field Experience I  
EDPSY 3513 Educ Psychology  
EDUC 3001 Field Experience II  
EDUC 4042 Strategies for Effective Teaching  
EDUC 4611 Field Experience III  
EDUC 4632 Education Technology Integration Strategies  
EDUC 4262 Student Teaching - Seminar I  
EDUC 4282 Student Teaching - Seminar II Classroom Management  
EDUC 4954 Supervised Student Teaching Elem Schools  
EDUC 4954 Supervised Student Teaching Elem Schools

### **Elective Courses (5 Credit Hours)**

An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student.

### **Special Requirements**

Demonstrate novice high competency in a foreign language or complete a Foreign Language or American Sign Language course with a C-grade or higher. Students should consult with their major program advisor for further details.

[2024 - 2025 Early Childhood Education - Check Sheet](#)

[2024 - 2025 Early Childhood Education - 4-Year Plan](#)

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### **2024-2025 Elementary Education - Bachelor of Science (120 Credit Hours)**

#### **Required General Education Courses (40 Credit Hours)**

For this program students are required to take certain courses toward the completion of their general education.

ENG 1113 Freshman Composition I  
ENG 1213 Freshman Composition II or HNRS 2313  
PS 1113 US Government  
PSYCH 1113 General Psychology  
BIO 1114 General Biology  
PHSCI 1114 General Physical Science  
KIN 2183 Basic Nutrition  
UNIV 1001 Tiger Connect  
GEOG 1214 Earth Science

Choose one of the following

HIST 2483 US History Survey to 1877  
HIST 2493 US History Survey Since 1877

Choose one of the following

HIST 1123 Modern Western Civilization  
HIST 1113 Foundations of Western Civilization  
HIST 2613 Explorations World History & Culture

Choose one of the following

HUM 2313 Multicultural American Literature  
HUM 2323 Global Literature or HNRS 1313  
HUM 2413 Responding to Literature

Choose one of the following

MATH 1413 Survey of Mathematics  
MATH 1513 College Algebra  
MATH 1613 Functions & Modeling

Note: Student must meet each of the five General Education Student Learning Outcomes at least once.

#### **Major in Elementary Education (33 Credit Hours)**

EDUC 3333 Methods in Creative Arts for Yng Child  
EDLBS 4913 Children's Literature  
EDUC 3463 Foundations of Reading  
EDUC 3483 Methods of Reaching  
EDUC 3493 Reading Assessment for Instruction  
EDUC 3713 Meth for Elem Soc Stu  
EDUC 3753 Methods of Early Childhood Education  
EDUC 3013 Methods of Emergent Literacy  
EDUC 3613 Method of Elem Natural Science

EDUC 3503 Meth Elem Math/Primary  
EDUC 2513 Meth Elem Math/Intermediate

#### Related Work

MATH 2713 Mathematical Concepts I  
MATH 2723 Mathematical Concepts II  
MATH 2733 Mathematical Concepts III  
COMM 1113 Fundamentals of Human Communication

#### Professional Education (30 Credit Hours)

EDUC 2402 Survey of Exceptional Child  
PSYCH 3463 Child & Adolescent Psychology  
EDUC 2012 Diversity in American Education  
EDUC 2631 Foundations of Educational Technology  
EDUC 2211 Field Experience I  
EDPSY 3513 Educ Psychology  
EDUC 3001 Field Experience II  
EDUC4042 Strategies for Effective Teaching  
EDUC 4611 Field Experience III  
EDUC 4632 Education Technology Integration Strategies  
EDUC 4262 Student Teaching - Seminar I  
EDUC 4282 Student Teaching - Seminar II  
EDUC 4954 Supervised Student Teaching Elem Schools  
EDUC 4954 Supervised Student Teaching Elem Schools

#### Elective Courses (5 Credit Hours)

An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student.

#### Special Requirements

Demonstrate novice high competency in a foreign language or complete a Foreign Language or American Sign Language course with a C-grade or higher. Students should consult with their major program advisor for further details.

[2024-2025 Elementary Education - Check Sheet](#)

[2024-2025 Elementary Education - 4-Year Plan](#)

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#### 2024-2025 Minor in Education (19 Credit Hours)

##### Required Courses

EDUC 2402 Survey of Exceptional Children  
PSYCH 1113 General Psychology  
PSYCH 3463 Child & Adolescent Psychology

##### Select 11 additional hours from the following:

EDUC 3013 Methods of Emergent Literacy  
EDUC 3333 Meth in Creative Arts Yng Child  
EDUC 3463 Foundations of Reading  
EDUC 4013 Prac Stat & IDEA for Beh Disord

If selected from the list below, only one KIN class may be counted toward an EDUC minor.

KIN 3233 Adapted Physical Education  
KIN 352 Meth of Elem P E

If selected from the list below, only one additional PSYCH course will be counted toward an EDUC minor.

PSYCH 3063 Physiological Psychology  
PSYCH 3613 Psychology of Learning & Cognition  
PSYCH 3833 Behavioral Science Statistics  
PSYCH 4112 Psychology of Exceptional Children

#### Special Requirements

Must earn three hours of upper division work at ECU towards minor to complete minor residency requirement.

Note: Content area methods and Field Experience courses can be considered with department approval.

[2024-2025 Minor in Education - Check Sheet](#)

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#### Department of Kinesiology

##### Major Offered

[Kinesiology - Bachelor of Science](#)

##### Minor Offered

[Kinesiology](#)

#### Departmental Information

### Physical Activity

An integral part of the educational experience – contributes effectively to a student's general development. The Department of Kinesiology gives students the means to educate the total person for living in an enlightened society. The study of human movement is the unique content of the Kinesiology program. Choices in Wellness is the course that is offered for the general education requirement and provides students with the knowledge and skills necessary to make lifestyle choices which positively affect one's health and well-being. The Kinesiology Department also provides support courses for other majors or teaching concentrations.

### Kinesiology Program

The Kinesiology program prepares students for careers in the fitness/wellness profession, as well as research-oriented careers. Prospective employers include health clubs, recreational facilities, hospital-based wellness programs, cardiac rehabilitation programs, sports medicine clinics, as well as preparing students for various medical professions such as: athletic training, physical therapy, physical assistant, and physician's assistant.

Many Kinesiology majors use interdisciplinary studies to prepare for working with special populations such as senior citizens or owning their own fitness business such as personal training. The coursework for this degree includes a core of courses in the broad field of Kinesiology concentrating on knowledge and skills necessary for appropriate exercise testing, prescription, and leadership.

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### 2024-2025 Kinesiology - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

#### Required Courses (63 Credit Hours)

KIN 1963 Intro to Kinesiology  
KIN 2122 Choices in Wellness  
KIN 2223 Sports Nutrition  
KIN 2273 First Aid  
KIN 2413 Applied Anatomy  
KIN 2433 Theory of Coaching  
KIN 2713 Care and Prevention of Athletic Injuries  
KIN 3103 Technology in Kinesiology  
KIN 3233 Adapted Physical Education  
KIN 3303 Fundamentals of Sports Administration  
KIN 3353 Research & Evaluation of Kinesiology  
KIN 3563 Health Promotion  
KIN 3613 Motor Learning  
KIN 3723 Biomechanics  
KIN 3733 Physiology of Exercise  
KIN 3883 Legal Aspects of Kinesiology  
KIN 4153 Organization and Administration  
KIN 4223 Strength & Conditioning  
KIN 4284 Practicum  
KIN 4593 Psychology of Sports  
KIN 4623 Exercise Testing & Prescription

#### Electives (19 Credit Hours)

An elective is any college-level course not required by the degree, but utilized to reach the minimum 120 credit hours for graduation. Elective courses are chosen according to the interest of the student.

Note: Kinesiology majors are not required to complete a minor course of study.

[2024-2025 Kinesiology - Check Sheet](#)

[2024-2025 Kinesiology - 4-Year Plan](#)

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### 2024-2025 Minor in Kinesiology (18 Credit Hours)

#### Core Courses

KIN 1963 Introduction to Kinesiology  
KIN 2273 First Aid  
KIN 2413 Applied Anatomy  
KIN 2713 Care & Prevention of Athletic Injury

#### Choose 2 of the following:

KIN 2433 Theory of Coaching  
KIN 3303 Fundamentals of Sports Administration  
KIN 3613 Motor Learning  
KIN 4223 Strength & Conditioning  
KIN 4593 Psychology of Sports

#### Special Requirements

Must earn three hours of upper division work at ECU towards minor to complete the minor residency requirement.

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## Department of Psychology

### Major Offered

Psychology - Bachelor of Science

Psychology - Behavioral Health - Bachelor of Science

### Minor Offered

Psychology

### Departmental Information

The Department of Psychology is actively involved in fulfilling the three functions of a University: Teaching, Research, and Service. These three functions merge as professors have students participate in research, use research findings and student research to enrich classes, and provide a service to the community by teaching needed skills and providing needed services. As a behavioral science, it employs the scientific method to greatly enhance the problem-solving abilities of people. Further, since psychology involves the study of behavior, it enables people to understand themselves better and to understand others.

General Psychology is the course that fulfills the general studies function. It is a general course in which the student learns the principles of behavior and how to apply these to everyday living. The Department of Psychology provides support courses for majors in other areas. For example, majors in elementary education, nursing, and professional programs in human services, take courses in psychology to develop the understanding and skills necessary to function in their professions. The Department of Psychology provides a major field of study with two options (i.e., Traditional, Behavioral Health) leading to the Bachelor of Science Degree. Just as in the minor field of study, some students majoring in psychology do not intend to become professional psychologists. These students may use psychology to enter professional schools such as medicine, dentistry, law, or theology. Others use psychology as a liberal education and enter business and industry or use this knowledge and these skills to become effective parents or citizens in the communities in which they live. Finally, of course, students choose to major in psychology because they want to go on to graduate school and make psychology their professional career.

### Psychology Program

Psychology is the science of human behavior. As a field, it attempts to develop technologies that will help understand the dynamics of human behavior as a means of developing a profession that will promote human welfare. As such, the undergraduate program at East Central University prepares its students through classwork, student professional organizations such as Psi Chi, field trips, assisting the faculty in professional endeavors such as research and application, and close relationships with the faculty to help understand and get to know, on a broad basis, the field of psychology. This training prepares the student to work at an entry level in the following areas: mental health clinics, hospitals, counseling centers, corrections, and many other areas including being prepared to enter graduate school.

The mission of the Psychology Program is an integral part of the overall mission of East Central University. The mission of the university includes providing a number of baccalaureate, pre-professional and graduate programs. The program addresses this goal by providing an undergraduate degree program in Psychology. Instruction in Psychology at the undergraduate level utilizes the following formats: lecture, video and multimedia material, field trips, research and library report writing, and direct hands-on experience both in the research laboratory and clinic setting.

### College of Education & Psychology Internship Hours

The internship hours in CEP are calculated and governed by the various accreditation agencies (National and State). The agencies include regulations regarding the qualifications of mentors, supervisors, and placements.

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### 2024-2025 Psychology (General) - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

#### Required Core Courses (44 Credit Hours)

PSYCH 1113 General Psychology

HRPSY 3253 Psychology of Aging

PSYCH 2313 History & Systems of Psychology

PSYCH 2403 Sociocultural Psychology

PSYCH 4001 Psychology Senior Seminar

PSYCH 4133 Abnormal Psychology

PSYCH 4413 Psychology of Personality

#### Required for Concentration in Psychology (10 Credit Hours)

PSYCH 3114 Experimental Psychology

PSYCH 3833 Behavioral Science Statistics

PSYCH 3933 Writing & Design for Psych Research

#### Psychology Electives (15 Credit Hours)

Set 1 - Select one or two of the following:

PSYCH 3463 Child & Adolescent Psychology

PSYCH 4443 Child Development

PSYCH 4453 Adolescent Development

Set 2 - Select two of the following:

PSYCH 3023 Introduction to Health Psychology

PSYCH 3053 Intro to Clinical & Counseling Psychology

PSYCH 3063 Physiological Psychology

PSYCH 3613 Psychology of Learning & Cognition

PSYCH 4213 Psychological Tests & Measurement

PSYCH 4323 Behavioral Management

PSYCH 2213 Social Psychology

Three (3) to six (6) hours of approved 3000-4000 level electives in psychology (may include additional courses from Set 2). EDPSY 3513 and PSYCH 4112 may not be taken for psychology degree credit.

#### Related Work (3 Credit Hours)

Select on of the following:

MATH 1223 Intro to Probability & Statis; OR

MATH 1513 College Algebra; OR

MATH 1613 Functions & Modeling

### General Electives

An elective is any college-level course not required by the degree, but utilized to reach the minimum 120 credit hours for graduation. Elective courses are chosen according to the interest of the student.

### Special Requirements

Students must take a adequate number of upper level hours. there are 32-25 upper level hours built into the Psychology degree, therefore students must take a minimum of 5-8 hours of upper level courses in order to meet the 40-hour upper level requirement. While not required, a minor in a field related to a future carrier is recommended.

Note: Psychology majors are not require to complete a minor course of study.

[2024 - 2025 Psychology \(General\) - Check Sheet](#)

[2024 - 2025 Psychology \(General\) - 4-Year Plan](#)

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### 2024-2025 Psychology (Behavioral Health) - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

#### Required Core Courses (19 Credit Hours)

PSYCH 1113 General Psychology

HRPSY 3253 Psychology of Aging

PSYCH 2313 History & Systems of Psychology

PSYCH 2403 Sociocultural Psychology

PSYCH 4001 Psychology Senior Seminar

PSYCH 4133 Abnormal Psychology

PSYCH 4413 Psychology of Personality

#### Required for Concentration in Psychology (12 Credit Hours)

PSYCH 3023 Introduction to Health Psychology

PSYCH 3053 Intro to Clinical & Counseling Psychology

PSYCH 3463 Child & Adolescent Psychology

PSYCH 4213 Psychological Tests & Measurements

#### Related Work (3 Credit Hours)

Select one of the following:

MATH 1223 Intro to Probability & Stats; OR

MATH 1513 College Algebra; OR

MATH 1613 Functions & Modeling

### General Electives (49 Credit Hours)

An elective is any college-level course not required by the degree, but utilized to reach the minimum 120 credit hours for graduation. Elective courses are chosen according to the interest of the student.

### Special Requirements

Students must take an adequate number of upper level hours. There are 25 upper level hours built into the psychology degree, therefore students must take a minimum of 15 hours of upper level courses in order to meet the 40 minimum requirement. Student are encouraged to take courses from BIOL, BUS, CRJS, HURES, EDUC and SOC to enhance the breadth of their psychology degree.

Note: Psychology majors are not require to complete a minor course of study.

[2024-2025 Psychology \(Behavioral Health\) - Check Sheet](#)

[2024-2025 Psychology \(Behavioral Health\) - 4-Year Plan](#)

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### 2024-2025 Minor in Psychology (21 Credit Hours)

#### Required Course

PSYCH 1113 General Psychology

Select three of the following:

HRPSY 3253 Psychology of Aging

PSYCH 2313 History & Systems of Psychology

PSYCH 3063 Physiological Psychology

PSYCH 3463 Child & Adolescent Psychology

PSYCH 3613 Psychology of Learning & Cognition

PSYCH 4133 Abnormal Psychology

PSYCH 4213 Psychological Tests & Measurements

PSYCH 4323 Behavioral Management



PSYCH 4413 Psychology of Personality  
PSYCH 4443 Child Development  
PSYCH 4453 Adolescent Development  
PYSOC 2213 Social Psychology

**Electives**

Nine (9) hours of approved 3000-4000 level electives in Psychology (may include additional courses from the list above). EDPSY 3513 and PSYCH 4112 may not be taken for psychology degree credit.

**Special Requirements**

Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

[2024-2025 Minor in Psychology - Check Sheet](#)

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## COLLEGE OF HEALTH & SCIENCES

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### College of Health & Sciences

Kenneth D. Andrews, Dean

Department of Biology & Environmental Science  
Department of Physical Sciences  
Department of Mathematics & Computer Science  
School of Nursing

2024-2025 Biology (BIOL) Courses  
2024-2025 Chemistry (CHEM) Courses  
2024-2025 Computer Science (CMPSC) Courses  
2024-2025 Computer Science Mathematics (CPSMA)  
2024-2025 Environmental Health Science (EHS) Courses  
2024-2025 Geographic Information Systems (GIS) Courses  
2024-2025 Human Dev., Hospitality & Food Service (HHFS) Courses  
2024-2025 Mathematics (MATH) Courses  
2024-2025 Medical Technology (MEDTE) Courses  
2024-2025 Nursing (NRSNG) Courses  
2024-2025 Physics (PHYS) Courses  
2024-2025 Teach Bio. & Physical Sci (B/C/P) Courses

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### Department of Biological & Environmental Sciences

#### Majors Offered

Biology - Bachelor of Science  
Biology (Clinical Laboratory Scientist) - Bachelor of Science  
Biology (Ecology) - Bachelor of Science  
Biology (Health Sciences) - Bachelor of Science  
Biology (Medical Botany) - Bachelor of Science  
Biology (Molecular Biology) - Bachelor of Science  
Biology (Teacher Certification) - Bachelor of Science  
Env. Health Science - Bachelor of Science  
Env. Health Science - (Env. Mgmt. & Nat. Resource) - Bachelor of Science  
Env. Health Science (Public Health) - Bachelor of Science

#### Minors Offered

Biology  
Environmental Health Science  
Public Health  
Environmental Management & Natural Resources

#### Departmental Information

The Department of Biological & Environmental Sciences provides undergraduate training for students interested in the life sciences who may wish to pursue careers in this area. Biological & Environmental Sciences is a continually expanding discipline with a variety of career opportunities. The faculty and facilities of the Department permit the investigation of Biological & Environmental Sciences at the subcellular, cellular, organismal, population, and community level.

Courses taught in the Department emphasize scientific principles and concepts that aid in understanding structure, function and behavior of individual organisms, and how individual organisms interact within the natural environment. Several scholarships are available to qualified students. Departmental scholarships include the Thomas J. McKnight Biology Scholarship and the Fred and Mary Pfeffer Scholarship. Other scholarships are available through the Academic Scholarship Program and the East Central University Foundation. For students who plan to teach, there are scholarships available through the College of Education and Psychology.

There are several clubs and societies available for Biological & Environmental Sciences students. The ones currently active are the Tri-Beta Club, the Pre-Dentistry Club, and the Society for Wildlife and Ecological Biologists.

#### Biology Degree Program

The Bachelor of Science in Biology degree program offers majors in six bachelor degree concentrations. A Bachelor of Science is designed for students who plan to become practicing biologists in industry or government, or plan to pursue a graduate degree in biology. This degree concentration is usually chosen by those students who need pre-professional training before entering the schools of medicine, dentistry, veterinary medicine, or other health-related professional schools. A Bachelor of Science for Teacher Certification gives a prospective science teacher an appropriate academic background in biology and in the methods of teaching. The Bachelor of Science for Molecular Biology prepares students for graduate research and/or employment in the rapidly growing fields of biotechnology, agribusiness, industry, law enforcement, and molecular biology. A Bachelor of Science for Clinical Laboratory Science prepares students to conduct and supervise complex medical tests, clinical trials, and research experiments; manage clinical laboratories; and consult with physicians and clinical researchers on diagnoses, disease causation and spread, and research outcomes. This degree concentration requires three years of prescribed study on campus followed by a year of clinical training in an approved hospital or School of Clinical Laboratory Science. A Bachelor of Science for Medical Botany empowers students to apply coursework in Botany, Zoology, Genetics, Physiology, Microbiology, Medical Botany, Entomology and Plant Ecophysiology. It provides flexibility through electives so that many path options are available all with the goal in mind of students understanding the complex relationship between plants and humans. Ultimately, this deep understanding will enable students to enter graduate school or employment so that they may transform their futures in biotech, agribusiness, pharmacology, medicine, homeopathy, horticulture, law, Native American affairs, research, industry and others into successful futures. A Bachelor of Science in Ecology, and a Bachelor of Science in Health Sciences are also offered.

#### Clinical Laboratory Science Concentration

This concentration requires a minimum of ninety-four semester hours credit of prescribed study on the campus, followed by a clinical component (30 hours) which consists of a year of approved professional training in Clinical Laboratory Science. The professional training must be done in a school of clinical laboratory science approved by the University and by the Oklahoma Consortium of Clinical Laboratory Science Affiliates.

Requirements for admission to the clinical component of clinical laboratory science:

- 1.) Complete the general education requirements.
- 2.) Complete prescribed science and math courses or equivalent courses.
- 3.) Complete a sufficient number of approved electives to complete the minimum requirement of ninety-four semester hours.
- 4.) Grade average must be a 2.5 or better overall and in the specific work in science and math.
- 5.) Ten semester hours of the ninety-four must be done in upper division courses (3000 and 4000 level).

Attainment of the requirements above does not guarantee admission to the clinical component of the program. The number of applicants placed is based on the number of applicants accepted by affiliated Schools of Clinical Laboratory Science.

### **Environmental Health Science Program**

The Bachelor of Science in Environmental Health Science (EHS) provides graduates with the interdisciplinary education needed for professional careers in areas such as: hazardous materials management, environmental program planning, industrial food safety, disease vector control, occupational safety and health, and water resources management. Concentrations in the EHS Program include Bachelor of Science in EHS for Environmental Management and Natural Resources, and a Bachelor of Science in EHS for Public Health. Environmental Health Sciences program graduates have been selected for professional positions in public health departments, private industries, state and federal environmental agencies, the United States Public Health Service Commissioned Corps and in private environmental consulting firms. In addition, the program prepares EHS majors for graduate study in a wide variety of disciplines.

The EHS program is one of 31 baccalaureate programs accredited by the National Environmental Health Science and Protection Accreditation Council and has maintained accreditation since 1975. EHS majors must complete a total of 55 hours of core courses in environmental health and environmental science which includes a supervised, professional internship at an approved site. The internship provides students with an opportunity to integrate their academic preparation with actual work experiences. EHS majors must also complete supporting courses in biology, chemistry, physics, and mathematics. A minor is advised, but not required.

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### **2024-2025 Biology/General - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Biology Core (20 Credit Hours)**

BIOL 1114 General Biology  
BIOL 1214 General Botany  
BIOL 1314 General Zoology  
BIOL 3434 Genetics

Select one of the following

BIOL 3514 General Physiology; OR  
BIOL 3634 Human Physiology

#### **Required for Biology/General Concentration (12 Credit Hours)**

BIOL 2344 Microbiology  
BIOL 4313 Cell and Molecular Biology  
BIOL 4414 General Ecology  
BIOL 4881 Biology Senior Seminar

#### **Required Electives (16 Credit Hours)**

Sixteen (16) hours of elective biology with minimum of 11 hours in 3000-4000 level courses (NOT BIOL 4473 or BIOL 4713).

#### **Recommended Related Electives**

CHEM 4114 Organic Chemistry II  
CHEM 4213 Biochemistry  
CHEM 4221 Biochemistry Lab  
EHS 3703 Biostatistics  
MATH 1223 Intro. to Probability & Statistics  
PSYCH 3833 Behavioral Science Statistics  
SOC 3833 Statistics for Social Sciences

#### **Required Related Work (23 Credit Hours)**

CHEM 1114 General Chemistry I  
CHEM 1214 General Chemistry II  
CHEM 3114 Organic Chemistry I  
MATH 1513 College Algebra \*; OR  
MATH 2825 Calculus & Analytic Geometry I  
PHYS 1114 General Physics I  
PHYS 1214 General Physics II

#### **General Electives (20 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

"Teachers" or "methods" courses may not be counted in this major.

Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

*\* With Department approval, students may omit MATH 1513 and being with MATH 2825.*

[2024-2025 Biology/General Check Sheet](#)

[2024-2025 Biology/General 4-Year Plan](#)

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### **2024-2025 Biology/Clinical Lab Scientist - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Core Courses**

BIOL 1114 General Biology

BIOL 1214 General Botany

BIOL 1314 General Zoology

BIOL 3434 Genetics

Select one of the following:

BIOL 3514 General Physiology; OR

BIOL 3634 Human Physiology

#### **Required for Clinical Lab Scientist Concentration (42-43 Credit Hours)**

BIOL 2344 Microbiology

BIOL 3683 Immunology

BIOL 4881 Senior Seminar

MEDTE 4117 Clinical Microbiology

MEDTE 4125 Clinical Chemistry I

MEDTE 4236 Clinical Hematology

MEDTE 4246 Clinical Immunology

MEDTE 4325 Clinical Chemistry II

MEDTE 4351 Topics in Med Tech

Select one of the following:

BIOL 2184 Human Anatomy; OR

BIOL 3245 Comparative Vertebrate Anatomy

#### **Required Related Work (19-21 Credit Hours)**

CHEM 1114 General Chemistry I

CHEM 1214 General Chemistry II

CHEM 3114 Organic Chemistry I

CHEM 4213 Biochemistry

CHEM 4221 Biochemistry Lab

MATH 1513 College Algebra\*; OR

MATH 2825 Calculus & Analytic Geometry I

#### **General Electives (7-11 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.

Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

*\* With Department approval, students may omit MATH 1513 and being with MATH 2825.*

[2024-2025 Biology/Clinical Lab Scientist Check Sheet](#)

[2024-2025 Biology/Clinical Lab Scientist 4-Year Plan](#)

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### **2024-2025 Biology/Ecology - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Biology Core**

BIOL 1114 General Biology

BIOL 1214 General Botany

BIOL 1314 General Zoology

BIOL 3434 Genetics

Select one of the following:

BIOL 3514 General Physiology; OR

BIOL 3634 Human Physiology

#### **Required for Ecology Concentration (21 Credit Hours)**

BIOL 2002 Intro. Research Experience  
 BIOL 3245 Comparative Vertebrate Anatomy  
 BIOL 3934 Limnology  
 BIO 4123 Evolution  
 BIOL 4323 Experimental Design in Biol. Science  
 BIOL 4414 General Ecology  
 BIOL 4881 Senior Seminar

#### **Required Electives (16 Credit Hours)**

Sixteen (16) hours of elective courses in biology with a minimum of 12 hours in 3000-4000 level courses(Not BIOL 4473 or 4713).

#### **Required Related Work (26-28 Credit Hours)**

CHEM 1114 General Chemistry I  
 CHEM 1214 General Chemistry II  
 CHEM 3114 Organic Chemistry I  
 MATH 1513 College Algebra\*; OR  
 MATH 2825 Calculus & Analytic Geometry I  
 PHYS 1114 General Physics I  
 PHYS 1214 General Physics II

Choose one of the following  
 EHS 3703 Biostatistics  
 MATH 1223 Intro. to Probability & Statistics  
 PSYCH 3833 Behavioral Science Statistics  
 SOC 3833 Stats for Social Sciences

#### **General Electives (6-9 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

"Teachers" or "methods" courses may not be counted in this major.

\* *With Department approval, students may omit MATH 1513 and being with MATH 2825.*

[2024-2025 Biology/Ecology Check Sheet](#)

[2024-2025 Biology/Ecology 4-Year Plan](#)

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#### **2024-2025 Biology/Health Science - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Biology Core (20 Credit Hours)**

BIOL 1114 General Biology  
 BIOL 1214 General Botany  
 BIOL 1314 General Zoology  
 BIOL 3434 Genetics  
 BIOL 3514 General Physiology; OR  
 BIOL 3634 Human Physiology

#### **Required for Health Science Concentration (16-17 Credit Hours)**

BIOL 2184 Human Anatomy; OR  
 BIOL 3245 Comparative Vertebrate Anatomy  
 BIOL 2344 General Microbiology  
 BIOL 4313 Cell and Molecular Biology  
 BIOL 4414 General Ecology  
 BIOL 4881 Senior Seminar

#### **Required Electives (9-12 Credit Hours)**

Select three of the following:

BIOL 2113 Medical Terminology  
 BIOL 3013 Research Methods and Bioethics  
 BIOL 3034 Medical Botany  
 BIOL 3254 Medical Entomology  
 BIOL 3623 Biochemistry of Human Disease  
 BIOL 3654 Histology  
 BIOL 3683 Immunology  
 BIOL 4113 Vertebrate Embryology  
 BIOL 4553 Pathogenic Microbiology

#### **Required Related Work (29-32 Credit Hours)**

CHEM 1114 General Chemistry I  
 CHEM 1214 General Chemistry II  
 CHEM 3114 Organic Chemistry I  
 MATH 1513 College Algebra\*; OR  
 MATH 2825 Calculus & Analytic Geometry I  
 PHYS 1114 General Physics I  
 PHYS 1214 General Physics II  
 PSYCH 1113 General Psychology

## Academic Colleges

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Select one of the following:

EHS 3703 Biostatistics & Envir. Calculations

MATH 1223 Intro. to Probability & Statistics

PSYCH 3833 Behavioral Science Statistics

SOC 3833 Statistics for Social Sciences

### General Electives (13-18 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.

*\* With Department approval, students may omit MATH 1513 and being with MATH 2825.*

Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

[2024-2025 Biology/Health Science Check Sheet](#)

[2024-2025 Biology/Health Science 4-Year Plan](#)

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### 2024-2025 Biology/Medical Botany - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

### Required Core Courses (20 Credit Hours)

BIOL 1114 General Biology

BIOL 1214 General Botany

BIOL 1314 General Zoology

BIOL 3434 Genetics

Select one of the following:

BIOL 3514 General Physiology; OR

BIOL 3634 Human Physiology

### Required for Medical Botany Concentration (16 Credit Hours)

BIOL 2344 Microbiology

BIOL 3034 Medical Botany

BIOL 3234 General Entomology

BIOL 3674 Plan Ecophysiology

### Required Electives (24 Credit Hours)

Select 12 hours from the following:

ACCT 2103 Financial Accounting

ACCT 2203 Managerial Accounting

ANTH 2003 Intro. to Cultural Resources Management

BUCOM 3133 Business Communications & Report Writing

BUS 1113 Foundations of Business

BUSLW 3213 Legal Envir. of Business

BUSLW 3253 Business Law

ECON 2013 Principles of Economics

EHS 4013 Native American Environmental Health

LS 4143 Intro. to Native American Law

LSPS 2153 Intro. to Law

NAS 3003 Tribal Sovereignty & Federal Indian Policy

SOC 3003 Native American Sociology

[View School of Business Catalog for Course Descriptions](#)

Select 12 hours of the following:

BIOL 2103 Horticulture

BIOL 3143 Ethnobotany

BIOL 3524 Mycology

BIOL 4014 Integrated Pest Management

BIOL 4123 Evolution

BIOL 4553 Pathogenic Microbiology

CHEM 3124 Chemistry of Food

CHEM 3214 Quantitative Analysis I

CHEM 3484 Instrumental Analysis

EHS 4143 Food Hygiene & Consumer Protections

HHFS 3114 Food Science

HHFS 3514 Food Distribution Management

PSYCH 1113 General Psychology

PSYCH 4133 Abnormal Psychology

### Required Related Work (21-23 Credit Hours)

CHEM 1114 General Chemistry I

CHEM 1214 General Chemistry II

CHEM 3114 Organic Chemistry I



KIN 1513 Basic Nutrition  
 MATH 1513 College Algebra\*; OR  
 MATH 2825 Calculus & Analytic Geometry I  
 MIS 1903 Computer Business Applications

### General Electives (8-12 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.

\* With Department approval, students may omit MATH 1513 and being with MATH 2825.

[2024-2025 Biology/Medical Botany Check Sheet](#)

[2024-2025 Biology/Medical Botany 4-Year Plan](#)

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### 2024-2025 Biology/Molecular Biology - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

### Required Biology Core (20 Credit Hours)

BIOL 1114 General Biology  
 BIOL 1214 General Botany  
 BIOL 1314 General Zoology

Select one of the following:

BIOL 3514 General Physiology; OR  
 BIOL 3634 Human Physiology

### Required for Molecular Biology Concentration (20-21 Credit Hours)

BIOL 2344 General Microbiology  
 BIOL 3013 Research Methods & Bioethics  
 BIOL 4313 Cell & Molecular Biology  
 BIOL 4545 Advanced Molecular Biology  
 BIOL 4881 Senior Seminar

Select one of the following:

BIOL 2184 Human Anatomy  
 BIOL 3245 Comparative Vertebrate Anatomy

### Required Electives (9 Credit Hours)

Select nine (9) credit hours of the following:

BIOL 2243 Intro. to Biotechnology  
 BIOL 2773 Forensic Biology  
 BIOL 3553 Genomics & Bioinformatics  
 BIOL 3623 Biochemistry of Human Disease  
 BIOL 3683 Immunology  
 BIOL 4763 Biochemical Genetics  
 BIOL 4981-4 Seminar in Biology

### Related Work (33-35 Credit Hours)

CHEM 1114 General Chemistry I  
 CHEM 1214 General Chemistry II  
 CHEM 3114 Organic Chemistry I  
 CHEM 4213 Biochemistry  
 CHEM 4221 Biochemistry Lab  
 PHYS 1114 General Physics  
 PHYS 1214 General Physics II  
 MATH 1513 College Algebra

Select one of the following:

MATH 2825 Calculus & Analytics Geometry; OR  
 MATH 2613 Calculus for Bus, Life & Social Sciences

Select one of the following:

EHS 3703 Biostatistics & Environmental Calc.  
 MATH 1223 Intro. to Probability & Statistics  
 PSYCH 3833 Behavioral Science Statistics  
 SOC 3833 Statistics for Social Sciences

### General Electives (6-10 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.

With Department approval, students may omit MATH 1513 and being with MATH 2825.

No minor program is required for this major.

Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

[2024-2025 Biology/Molecular Biology Check Sheet](#)

[2024-2025 Biology/Molecular Biology 4-Year Plan](#)

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### **2024-2025 Biology/Teacher Certification - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Biology Core (20 Credit Hours)**

BIOL 1114 General Biology

BIOL 1214 General Botany

BIOL 1314 General Zoology

BIOL 3434 Genetics

Select one of the following:

BIOL 3514 General Physiology; OR

BIOL 3634 Human Physiology

#### **Required for Teacher Certification Concentration (11-12 Credit Hours)**

B/C/P 4113 Method Teaching BIOL/PHYS/SCI

BIOL 4414 General Ecology

Select one of the following:

BIOL 2184 Human Anatomy; OR

BIOL 3245 Comparative Vertebrate Anatomy

#### **Required Related Work (34-36 Credit Hours)**

CHEM 1114 General Chemistry I

CHEM 1214 General Chemistry II

COMM 1113 Fund. of Human Communication

MATH 1513 College Algebra\*; OR

MATH 2825 Calculus & Analytic Geometry I

PHYS 1114 General Physics I

PHYS 1214 General Physics II

PHYS 1314 Astronomy

PSYCH 1113 General Psychology

Select one of the following:

CHEM 1314 General Organic & Biochemistry

CHEM 3114 Organic Chemistry I

CHEM 3214 Quantitative Analysis I; AND

Three (3) additional hours of earth science electives.

#### **Minor**

Professional education is used as a minor (30 hours). For further details consult major program advisor.

#### **General Electives (0-2 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.

\*With Department approval, students may omit MATH 1513 and being with MATH 2825.

[2024-2025 Biology/Teacher Certification Check Sheet](#)

[2024-2025 Biology/Teacher Certification 4-Year Plan](#)

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### **2024-2025 Environ. Health Sci. - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Core Courses (41 Credit Hours)**

EHS 1114 Introduction to Environmental Health Science

GIS 2253 Initial Concepts in GIS

EHS 2313 Solid & Hazards Waste Management

EHS 2613 Occupational Health & Safety

EHS 3114 Epidemiology

EHS 3153 Environmental Health Administration

EHS 3553 Water Quality & Treatment

EHS 3603 Air Quality

EHS 3703 Biostatistics

EHS 3803 Environmental Toxicology

EHS 4143 Food Hygiene & Consumer Protection

EHS 4703 Environmental & Risk Assessment

EHS 4943 Field Experience in Environmental Health

#### **Required Electives (Technical Areas; 11 Credit Hours)**

Eleven (11) hours of elective 3000/4000 level coursework in EHS, BIOL or GIS. No more than 3 hours of credit in EHS 4991-4 may be used to meet the 11-hour requirement.

#### **Required Related Work (30 Credit Hours)**

CHEM 1114 General Chemistry I  
CMPSC 1513 Computer Literacy  
MATH 1513 College Algebra  
BIOL 1114 General Biology  
BIOL 2334 General Microbiology  
CHEM 1214 General Chemistry II  
CHEM 1314 General Organic & Biochemistry; OR  
CHEM 3114 Organic Chemistry I  
PHYS 1114 General Physics I

#### **General Electives (10 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

\* A minor program is not required for this major.

[2024-2025 Environ. Health Sci. Check Sheet](#)

[2024-2025 environ. Health Sci. 4-Year Plan](#)

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#### **2024-2025 Environ Hlth. Sci/Environ Mgmt. & Nat. Res. - B.S. (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Core Courses (41 Credit Hours)**

EHS 1114 Introduction to Environmental Health Science  
GIS 2253 Initial Concepts in GIS  
EHS 2313 Solid & Hazards Waste Management  
EHS 2613 Occupational Health & Safety  
EHS 3114 Epidemiology  
EHS 3153 Environmental Health Administration  
EHS 3553 Water Quality & Treatment  
EHS 3603 Air Quality  
EHS 3703 Biostatistics  
EHS 3803 Environmental Toxicology  
EHS 4143 Food Hygiene & Consumer Protection  
EHS 4703 Environmental & Risk Assessment  
EHS 4943 Field Experience in Environmental Health

#### **Required for Environ & Nat. Res. Concentration (3 Credit Hours)**

EHS 3543 Water Resources

#### **Required Electives (Technical Areas; 6 Credit Hours)**

Six (6) hours elective 3000/4000 level coursework in EHS, BIOL or GIS. No More than three (3) hours of credit in EHS 4991-4 may be used to meet the six (6) hour requirement.

#### **Related Work (38 Credit Hours)**

CHEM 1114 General Chemistry I  
CMPSC 1513 Computer Literacy  
MATH 1513 College Algebra  
BIOL 1114 General Biology  
BIOL 1314 General Zoology  
BIOL 2334 General Microbiology  
BIOL 3934 Limnology; OR  
BIOL 4414 Ecology  
CHEM 1214 General Chemistry II  
CHEM 1314 General Organic & Biochemistry; OR  
CHEM 3114 Organic Chemistry  
PHYS 1114 General Physics I

#### **General Electives (4 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

\* A minor program is not required for this major.

[2024-2025 Environ Hlth. Sci/Environ Mgmt. & Nat. Res. Check Sheet](#)

[2024-2025 Environ Hlth. Sci/Environ Mgmt. & Nat. Res. 4-Year Plan](#)

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#### **2024-2025 Environ. Health Sci. - Public Health - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

### **Required Core Courses (41 Credit Hours)**

EHS 1114 Introduction to Environmental Health Science  
GIS 2253 Initial Concepts in GIS  
EHS 2313 Solid & Hazards Waste Management  
EHS 2613 Occupational Health & Safety  
EHS 3114 Epidemiology  
EHS 3153 Environmental Health Administration  
EHS 3553 Water Quality & Treatment  
EHS 3603 Air Quality  
EHS 3703 Biostatistics  
EHS 3803 Environmental Toxicology  
EHS 4143 Food Hygiene & Consumer Protection  
EHS 4703 Environmental & Risk Assessment  
EHS 4943 Field Experience in Environmental Health

### **Required for Public Health Concentration (6 Credit Hours)**

EHS 4203 Community Health  
EHS 4503 Chronic Diseases & Global Health

### **Required Electives (Technical Areas; 3 Credit Hours)**

Three (3) hours of elective 3000/4000 level coursework in EHS, BIOL or GIS.

### **Required Related Work (37-38 Credit Hours)**

CHEM 1114 General Chemistry I  
CMPSC 1513 Computer Literacy  
KIN 1513 Basic Nutrition  
MATH 1513 College Algebra  
CHEM 1214 General Chemistry II  
BIOL 2344 Microbiology  
CHEM 1314 General Organic & Biochemistry; OR  
CHEM 3114 Organic Chemistry  
PHYS 1114 General Physics I  
BIOL 1114 General Biology

Choose one of the following:

BIOL 3254 Medical Entomology  
BIOL 3434 Genetics  
BIOL 3634 Human Physiology  
BIOL 4543 Pathogenic Microbiology  
PSYCH 3613 Learning & Cognition  
PSYCH 3993 Writing & Design for Psych Research

### **General Electives (4-5 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

\*A minor program is not required for this major.

[2024-2025 Env. Health Science Public Health Check Sheet](#)

[2024-2025 Env. Health Science Public Health 4-Year Plan](#)

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### **2024-2025 Minor in Biology (19 Credit Hours)**

#### **Required Courses**

BIOL 1114 General Biology  
BIOL 1214 General Botany  
BIOL 1314 General Zoology  
BIOL 2344 General Microbiology

#### **Electives**

Three (3) hours of upper level elective credits. May not include B/C/P 4113, BIOL 4473, 4713 or 4881.

#### **Special Requirements**

"Teachers" or "methods" courses may not be counted in the minor.

Must earn three (3) hours of upper division coursework at ECU towards the minor to complete minor residency requirement.

[2024-2025 Minor in Biology Check Sheet](#)

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### **2024-2025 Minor in Environmental Health Science (19 Credit Hours)**

#### **Required Courses**

EHS 1114 Intro to Env Health Science  
EHS 2313 Solid & Hazardous Waste Mgmt

**Electives**

Twelve (12) hours of elective coursework in Env. Health Science. Courses should be selected in consultation with advisor.

**Special Requirement**

"Teachers" or "methods" courses may not be counted in minor.

Must earn three (3) hours of upper division coursework at ECU towards the minor to complete minor residency requirement.

[2024-2025 Minor Environ. Health Sci. Check Sheet](#)

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**2024-2025 Minor in Public Health (16 Credit Hours)****Required Courses**

EHS 3114 Epidemiology

EHS 4203 Community Health

EHS 4503 Chronic Diseases & Global Health

**Choose two of the following:**

EHS 2613 Industrial Hygiene

EHS 3153 Environmental Health Administration

EHS 3703 Biostatistics

EHS 4143 Food, Hygiene & Consumer Protection

[2024-2025 Minor in Public Health Check Sheet](#)

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**2024-2025 Minor in Environmental Mgmt & Nature Resources (19 Credit Hours)****Required Courses**

EHS 1114 Intro to Environmental Health Science

EHS 2713 Environmental Economics

EHS 3543 Water Resources

**Electives**

Nine (9) hours approved electives in Env. Health Science. Courses should be selected in consultation with program advisor.

**Special Requirements**

"Teachers" or "methods" courses may not be counted in minor.

Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

[2024-2025 Minor in Environ. Mgmt & Nat. Resc. Check Sheet](#)

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**Department of Physical Sciences****Majors Offered**

Chemistry - Bachelor of Science

Chemistry (Teacher Certification) - Bachelor of Science

Chemistry (Biochemistry) - Bachelor of Science

Physics - Bachelor of Science

Physics (Medical Physics) - Bachelor of Science

Physics (Teacher Certification) - Bachelor of Science

**Minors Offered**

Chemistry (contact department for details)

Physics

**Departmental Information**

The Department of Chemistry/Physics is comprised of two disciplines--Chemistry and Physics. The department offers Bachelor of Science degree programs with a major and a minor in each of these academic areas. Specific features of each program are detailed below.

**Chemistry**

The Department of Chemistry offers both a major and a minor in chemistry, a major in chemistry with a biochemistry concentration, a major in chemistry for teacher certification, and courses needed for those wishing to teach biology, chemistry, physics, physical science, or general science at the public school level. The department also functions as a support and service department for required courses in biology, nursing, environmental science, and allied health programs. Additionally, the department provides pre-professional studies for students pursuing medicine, engineering, pharmacy, veterinary medicine, physical therapy, and medical technology. A quality program of study is made possible through small classes, opportunity for student/professor interaction, and the unique situation of having the Robert S. Kerr Environmental Research Center located in Ada, OK. Cooperative agreements with this governmental institution allow expanded opportunities for study, research, quality analytical instrumentation, and possible student employment while at ECU.

**Chemistry Program**

In compliance with the recommendations of the American Chemical Society for curricula in undergraduate chemical education, the department offers courses in all five major areas of chemistry: inorganic, analytical, organic, physical, and biochemistry.

**Physics**

Physics is one of the most fundamental and all-inclusive of the sciences. It is an attempt to understand the foundations of our universe through the study of motion, force, energy, sound, electricity, magnetism, thermodynamics, heat, light, and quantum mechanics. Physics students use advanced mathematics to solve challenging experimental or theoretical problems, so they often major in mathematics as well. The ability to analyze a problem and find the best possible solution is vital to success in many fields. As a result, physics graduates often work in such seemingly non-related areas as medicine, law, biology, business, or military science, as well as in engineering, mathematics, computer science, or industry.

In addition to the university's program of financial aid, the department provides positions for student workers. Several departmental scholarships are awarded annually, and the department participates in the LS-OKAMP program awarding scholarships and research stipends for qualifying minority students. Interested students should contact the Department Chairman for further information.

### Physics Program

In addition to the university's program of financial aid, the department provides positions for student workers. Several departmental scholarships are awarded annually, and the department participates in the LS-OKAMP program awarding scholarships and research stipends for qualifying minority students. Interested students should contact the Department Chairman for further information.

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### 2024-2025 Chemistry (General) - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

#### Required Chemistry Core (20 Credit Hours)

CHEM 1114 General Chemistry I  
CHEM 1214 General Chemistry II  
CHEM 3114 Organic Chemistry I  
CHEM 3214 Quantitative Analysis I  
CHEM 4114 Organic Chemistry II

#### Required for General Concentration (14 Credit Hours)

CHEM 3484 Instrumental Analysis  
CHEM 4213 Biochemistry  
CHEM 4413 Advanced Inorganic Chemistry  
CHEM 4514 Physical Chemistry I

#### Required Electives (3-4 Credit Hours)

Select at least three (3) hours from the following:

CHEM 4221 Biochemistry Laboratory  
CHEM 4421 Advanced Inorganic Chemistry Laboratory  
CHEM 4614 Physical Chemistry II  
CHEM 4981-4 Seminar in Chemistry  
CHEM 4991-4 Individual Studies in Chemistry

#### Related Work (22-30 Credit Hours)

BIOL 1114 General Biology  
MATH 1513 College Algebra\*  
MATH 1713 Trigonometry\*  
MATH 2825 Calculus & Analytical Geometry I  
MATH 3025 Calculus & Analytical Geometry II  
PHYS 1114 General Physics I; OR  
PHYS 2115 Engineering Physics I  
PHYS 1214 General Physics II; OR  
PHYS 2225 Engineering Physics II

Recommended Related Work: Geology, additional physics, biology (not BIOL 1114) and computer science.

#### Minor (18-33 Credit Hours)

A minor is required for this program. The minor with the chemistry major must be biology, environmental health science, mathematics or physics.

#### General Electives (0-15 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### Special Requirements

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

"Teachers" or "methods" courses do not count in the major.

[2024-2025 Chemistry \(General\) Check Sheet](#)

[2024-2025 Chemistry \(General\) 4-Year Plan](#)

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### 2024-2025 Chemistry (Teacher Cert.) - Bachelor of Science (124-126 Credit Hours)

The 124-126 credit hours includes ECU's 40 hour general education program.

#### General Education

This major requires students to count specific courses toward their general education requirement. Seventeen (17) hours (BIOL 1114, CHEM 1114, COMM 1113, MATH 1513 and PSYCH 1113), counted in the major. Demonstrate novice high competency in a foreign language or complete a foreign language or American Sign Language course with a C or higher.

**Required Core Courses (20 Credit Hours)**

CHEM 1114 General Chemistry I  
 CHEM 1214 General Chemistry II  
 CHEM 3114 Organic Chemistry I  
 CHEM 3214 Quantitative Analysis I  
 CHEM 4114 Organic Chemistry II

**Required for Teacher Certification Concentration (3 Credit Hours)**

B/C/P 4113 Methods of Teaching Biological & Physical Science

**Required Chemistry Electives (7 Credit Hours)**

Seven (7) hours of chemistry electives. Courses should be determined in consultation with program advisor.

**Related Work (41-43 Credit Hours)**

BIOL 1114 General Biology  
 BIOL 1314 General Zoology  
 BIOL 2184 Human Anatomy  
 BIOL 3634 Human Physiology  
 COMM 1113 Fundamentals of Human Communication  
 GEOG 1214 Earth Science  
 MATH 1513 College Algebra\*; OR  
 MATH 2825 Calculus & Analytic Geometry I  
 PHYS 1114 General Physics I  
 PHYS 1214 General Physics II  
 PHYS 1314 Astronomy

**Minor**

Professional education is used as the minor and no other minor is required.

**Professional Education (30 Credit Hours)**

EDUC 2402 Survey of Excep Child  
 PSYCH 3463 Child & Adolescent Psych  
 EDUC 2012 Foundations of Educ  
 EDUC 2631 Foundations of Educ Technology  
 EDUC 2211 Field Experience I  
 EDPSY 3513 Educ Psych  
 EDUC 3001 Field Experience II  
 EDUC 4052 Effective Teaching in Secondary Education  
 EDUC 4611 Field Experience III  
 EDUC 4632 Education Technology Integration Strategies  
 EDUC 4262 Student Teaching Seminar I  
 EDUC 4282 Student Teaching Seminar II  
 EDUC 4974 Sup Student Tchg Secondary School  
 EDUC 4974 Sup Student Tchg Secondary School

[View College of Education & Psychology Catalog for Course Descriptions](#)

**Special Requirements**

\* With department approval, students may omit MATH 1513 and/or Math 1713 and begin with MATH 2825.

[2024-2025 Chemistry \(Teacher Cert\) Check Sheet](#)

[2024-2025 Chemistry \(Teacher Cert\) 4-Year Plan](#)

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**2024-2025 Biochemistry - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

**Required Chemistry Core (20 Credit Hours)**

CHEM 1114 General Chemistry I  
 CHEM 1214 General Chemistry II  
 CHEM 3114 Organic Chemistry I  
 CHEM 3214 Quantitative Analysis I  
 CHEM 4114 Organic Chemistry II

**Required in Biochemistry Concentration (18 Credit Hours)**

CHEM 3484 Instrumental Analysis  
 CHEM 4213 Biochemistry  
 CHEM 4221 Biochemistry Laboratory  
 CHEM 4413 Advanced Inorganic Chemistry  
 CHEM 4514 Physical Chemistry I  
 CHEM 4523 Advanced Biochemistry

**Recommended Electives**

CHEM 4421 Advanced Inorganic Chemistry Laboratory  
 CHEM 4531 Advanced Biochemistry Laboratory  
 CHEM 4614 Physical Chemistry II  
 CHEM 4981-4 Seminar in Chemistry  
 CHEM 4991-4 Individual Studies in Chemistry



**Related Work (32-40 Credit Hours)**

BIOL 1114 General Biology  
BIOL 1314 General Zoology; OR  
BIOL 2344 General Microbiology  
BIOL 2184 Human Anatomy  
BIOL 3634 Human Physiology  
BIOL 4313 Cell & Molecular Biology  
MATH 1513 College Algebra\*  
MATH 1713 Trigonometry\*  
MATH 2825 Calculus & Analytic Geometry I  
PHYS 1114 General Physics I; OR  
PHYS 2115 Engineering Physics I  
PHYS 1214 General Physics II; OR  
PHYS 2225 Engineering Physics II

**General Electives (13-22 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

"Teachers" or "methods" courses do not count in the major.

A minor program is not required for this major.

[2024-2025 Biochemistry Check Sheet](#)

[2024-2025 Biochemistry 4-Year Plan](#)

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**2024-2025 Physics - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

**Required Physics Core (15 Credit Hours)**

PHYS 2115 Engineering Physics I  
PHYS 2225 Engineering Physics II  
PHYS 3013 Modern Physics  
PHYS 3412 Junior Physics Laboratory

**Required for Physics Major (18 Credit Hours)**

PHYS 3113 Mechanics I  
PHYS 3713 Thermodynamics  
PHYS 3813 Optics  
PHYS Electricity & Magnetism-Field Theory  
PHYS 4313 Introduction to Nuclear Physics  
PHYS 4513 Quantum Mechanics

**Required Electives (2 Credit Hours)**

Two (2) hours of Physics electives (3xxx - 4xxx)

**Related Work (27 - 33 Credit Hours)**

CHEM 1114 General Chemistry I  
CHEM 1214 General Chemistry II  
CMPSC 1113 Computer Programming I  
MATH 1513 College Algebra\*  
MATH 1713 Trigonometry\*  
MATH 2825 Calculus & Analytic Geometry I  
MATH 3025 Calculus & Analytic Geometry II  
MATH 3033 Calculus & Analytic Geometry III  
MATH 4113 Differential Equations

**General Electives (22-28 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

"Teachers" or "methods" courses do not count in the major.

A minor program is not required for this major.

[2024-2025 Physics Check Sheet](#)

[2024-2025 Physics 4-Year Plan](#)

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**2024-2025 Physics (Medical Physics) - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

**Required Physics Core (15 credit Hours)**

PHYS 2115 Engineering Physics I  
 PHYS 2225 Engineering Physics II  
 PHYS 3013 Modern Physics  
 PHYS 3412 Junior Physics Laboratory

**Required for Medical Physics Concentration (15 Credit Hours)**

PHYS 3222 Medical Physics  
 PHYS 3713 Thermodynamics  
 PHYS 4222 X-ray & Nuclear Physics Lab  
 PHYS 4313 Introduction to Nuclear Physics  
 Five hours of Physics electives (3000-4000 Level)

**Related Work (52-61 Credit Hours)**

BIOL 1114 General Biology  
 BIOL 2184 Human Anatomy  
 BIOL 3634 Human Physiology  
 CHEM 1114 General Chemistry I  
 CMPSC 1113 Computer Programming I  
 COMM 1113 Fundamentals of Human Communication  
 MATH 1513 College Algebra\*  
 MATH 1713 Trigonometry\*  
 MATH 2825 Calculus & Analytic Geometry I  
 MATH 3025 Calculus & Analytic Geometry II  
 MATH 3033 Calculus & Analytic Geometry III  
 MATH 4113 Differential Equations

Select one of the following:

BIOL 2113 Medical Terminology  
 EHS 2413 Radiologic Health

Select one of the following:

MATH 3513 Mathematical Statistics  
 MATH 3583 Applied Statistics  
 SOC 3833 Statistics for the Social Sciences

**General Electives (0-10 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

"Teachers" or "methods" courses do not count in the major.

A minor program is not required for this major.

[2024-2025 Physics \(Medical Physics\) Check Sheet](#)

[2024-2025 Physics \(Medical Physics\) 4-Year Plan](#)

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**2024-2025 Physics (Teacher Certification) - Bachelor of Science (122-128 Credit Hours)**

The 122-128 credit hours includes ECU's 40 hour general education program.

**General Education**

This major requires specific courses to be counted toward the general education requirement. Seventeen (17) hours (BIOL 1214 or 1314, CHEM 1114, COMM 1113, MATH 1513 or PSYCH 1113) counted in the major. Demonstrate novice high competency in a foreign language or American Sign Language course with a C or higher.

**Required Physics Core (15 Credit Hours)**

PHYS 2115 Engineering Physics I  
 PHYS 2115 Engineering Physics II  
 PHYS 3013 Modern Physics  
 PHYS 3412 Junior Physics Laboratory

**Required for Teacher Certification Concentration (13 Credit Hours)**

B/C/P 4113 Methods of Teaching Bio  
 PHYS 1314 Astronomy  
 PHYS 3113 Mechanics I  
 PHYS 4113 Electricity & Magnetism

**Required Electives (2 Credit Hours)**

Two (2) hours of physics electives (Not PHYS 3222 or 4222).

**Related Work (32-38 Credit Hours)**

BIOL 1114 General Biology  
 CHEM 1114 General Chemistry I  
 CHEM 1214 General Chemistry II

**Related Work Electives (7 Credit Hours)**

Seven (7) hours of chemistry electives.

### Minor

Professional Education coursework is used as the minor and no other minor is required.

### Professional Education (30 Credit Hours)

EDUC 2402 Survey of Excep Child  
PSYCH 3463 Child & Adolescent Psych  
EDUC 2012 Foundations of Educ  
EDUC 2631 Foundations of Educ Technology  
EDUC 2211 Field Experience I  
EDPSY 3513 Educ Psych  
EDUC 3001 Field Experience II  
EDUC 4052 Effective Teaching in Secondary Education  
EDUC 4611 Field Experience III  
EDUC 4632 Education Technology Integration Strategies  
EDUC 4262 Student Teaching Seminar I  
EDUC 4282 Student Teaching Seminar II  
EDUC 4974 Sup Student Tchg Secondary School  
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[2024-2025 Physics \(Teacher Cert\) Check Sheet](#)

[2024-2025 Physics \(Teacher Cert\) 4-Year Plan](#)

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### 2024-2025 Minor in Chemistry

Students interested in a Chemistry minor should contact the department for details.

### 2024-2025 Minor in Physics (20 Credit Hours)

#### Required Courses

PHYS 2115 Engineering Physics I  
PHYS 2225 Engineering Physics II  
PHYS 3013 Modern Physics

Select one or both of the following:

PHYS 3411 Junior Physics Laboratory  
PHYS 3511 Junior Physics Laboratory

Select two of the following:

PHYS 3113 Mechanics I  
PHYS 3213 Basic Electronics  
PHYS 3713 Thermodynamics  
PHYS 3813 Optics  
PHYS 4113 Electricity & Magnetism-Field Theory  
PHYS 4313 Intro to Nuclear Physics

#### Special Requirements

Must earn three (3) hours of upper division work at ECU to complete the minor residency requirement.

[2024-2025 Minor in Physics Check Sheet](#)

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## Department of Mathematics & Computer Science

### Majors Offered

Computer Science - Bachelor of Science  
Mathematics (Applied/Pre-Actuary) - Bachelor of Science  
Mathematics (General) - Bachelor of Science  
Mathematics (Teachers Cert.) - Bachelor of Science  
Mathematics (Data Science) - Bachelor of Science

### Minors Offered

Computer Science  
Mathematics

### Departmental Information

The Department Mathematics and Computer Science currently offers five concentrations which leads to a Bachelor of Science degree: General Mathematics, Teacher Certification in Mathematics, Mathematics - Applied/Pre-Actuary, Data Science Applications, and Computer Science.

The Mathematics Program offers four concentrations which lead to a Bachelor of Science degree. The curriculum is flexible and can be adapted to a variety of student interests. After completing one of the four concentrations, program graduates typically enter the job market as applied mathematicians in business

or industry, actuarial trainees, or certified teachers of secondary school mathematics. Some program graduates pursue study in graduate school leading to advanced degrees in mathematics, statistics, computer science, finance, or management science while others elect to pursue further study in a professional school such as law or medicine.

The Computer Science Program provides a solid education in all major areas of Computer Science with an emphasis on Software Engineering. Computer Science students complete a Bachelor of Science degree in four years. Our graduates are typically employed by large companies who need skilled software design specialists to work on the forefront of the field. Computing facilities include powerful Linuxbased and Windows based terminals as well as graphics workstations. Department computers have internet access and are loaded with mathematical and statistical software packages for use in classroom teaching, student research and downloadable for home use.

#### **Mathematics Program - General Concentration**

The General Mathematics concentration provides preparation for the student who plans to enter a graduate program in mathematics or to seek immediate employment. A student taking this concentration, in consultation with his or her advisor, should choose elective courses which meet the entrance requirements of the desired graduate program. This concentration is often part of a double major with Physics, Computer Science, or other sciences. In addition to the core courses required for all mathematics majors, students in this concentration also take courses emphasizing proof writing.

#### **Mathematics Program - Teacher Certification Concentration**

The Teacher Certification concentration, in conjunction with professional education courses, prepares students for teaching mathematics at the secondary level. Majors take courses in education, mathematics, and mathematics education. Curriculum emphasizes pedagogy, technology, diversity, and current trends in education. Graduates of this concentration are in high demand locally, state-wide, and nationally. Most graduates of this concentration quickly find employment in the country, or elsewhere in Oklahoma and surrounding states. In addition to the core courses required for all mathematics majors, students in this concentration also take courses specifically for education majors.

#### **Mathematics Program - Applied Mathematics/Pre-Actuary Concentration**

The Applied Mathematics/Pre-Actuary concentration prepares students for entry into the job market as an applied mathematician or actuarial trainee, for a career in finance, or for entry into a graduate program in applied mathematics, actuarial science, statistics, finance, or quantitative management science. In addition to the core courses required for all mathematics majors, students in this concentration also take courses in business.

#### **Mathematics Program - Data Science Applications Concentration**

The Data Science Applications concentration is for students interested in applying mathematics, statistics, and computer science to a wide range of business problems. With a broader focus, students in this concentration will be prepared to work in a variety of industries— analytics, data science and big data. Students finishing this program will have a variety of skills in mathematics, statistics, computer science, programming, and analytics. They will have specific skills related to data science in database design, data extraction, data wrangling, data scraping, data visualization, machine learning, deep learning, and artificial intelligence. Students will also gain the interdisciplinary skills to succeed in this fast-growing field. In addition to the core courses required for all mathematics majors, students in this concentration also take courses in computer science.

#### **Computer Science Program**

The Computer Science degree program prepares students for a career in the world of technology. Both online and in-seat options for majors of this program. Lucrative salaries and opportunities to work on interesting and challenging projects are the rewards which await those who choose the Computer Science major. Technology touches essentially every aspect of life. Students have access to a powerful Linux-based mainframe as well as the University computer network. Majors have access to both labs and 24/7 remote access. The curriculum is designed using guidelines published by the Association of Computing Machinery (ACM). Courses provide students excellent training in the scientific and technical areas of computing and the preparation necessary to pursue graduate work in this field. The course of study is mathematical in nature with emphasis on software engineering.

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#### **2024-2025 Computer Science - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **Required Courses (27 Credit Hours)**

CMPSC 1113 Computer Programming I  
 CMPSC 1133 Computer Programming II  
 CPSMA 2103 Data Structures  
 CPSMA 3103 Algorithm Analysis  
 CMPSC 3113 Operating Systems  
 CMPSC 3613 Computer Architecture  
 CMPSC 3943 Software Design & Development  
 CMPSC 4213 Data Base Design  
 CMPSC 4473 Theory of Programming Languages

#### **Required Electives (18 Credit Hours)**

Eighteen (18) hours in upper level Computer Science with at least twelve (12) hours in CMPSC courses.

#### **Related Work (11-18 Credit Hours)**

CPSMA 3913 Discrete Mathematics  
 MATH 1513 College Algebra\*  
 MATH 1713 Trigonometry\*

Select one of the following:

MATH 2825 Calculus & Analytical Geometry I; OR  
 MATH 2613 Calculus for Bus, Life & Soc. Sci.

If MATH 2613 is chosen from above, then choose one of the following:

MATH 1223 Intro to Probability & Statistics; OR  
 BSEC 2603 Business & Economic Statistics

Select one of the following:

BUCOM 3133 Business Communication & Report Writing

COMM 1113 Fundamentals of Human Communication  
ENG 3183 Technical & Professional Writing

### General Electives (26-36 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student. Students majoring in computer science are highly encouraged to take upper-level computer science electives to make themselves more attractive to industry recruiters.

### Special Requirements

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.  
A minor program is not required for this major.

[2024-2025 Computer Science Check Sheet](#)

[2024-2025 Computer Science 4-Year Plan](#)

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### 2024-2025 Mathematics (Applied/Pre-Actuary) - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

#### Required Mathematics Core (22-28 Credit Hours)

MATH 1513 College Algebra\*  
MATH 1223 Intro to Probability & Statistics  
MATH 1713 Trigonometry\*  
MATH 2825 Calculus & Analytic Geometry I  
MATH 3025 Calculus & Analytic Geometry II  
MATH 3033 Calculus & Analytic Geometry III  
MATH 3713 Linear Algebra  
MATH 4923 Perspectives in Mathematics

#### Required for Applied/Pre-Actuary Concentration (9 Credit Hours)

MATH 3513 Mathematical Statistics  
MATH 3583 Applied Statistics  
MATH 4113 Differential Equations

#### Required Mathematics Electives (15 Credit Hours)

Select two of the following:

CPSMA 3913 Discrete Mathematics

CPSMA 3933 Operations Research

CPSMA 4413 Numerical Methods

Nine hours approved courses from MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN (3000-4000)

#### Related Work (30 Credit Hours)

ACCT 2103 Financial Accounting  
CMPSC 1113 Computer Programming I; OR  
other computer programming course in a high level language (logical, functional or procedural, including Mathematica)  
COMM 1113 Fundamentals of Human Communication  
ECON 2003 Principles of Macroeconomics  
ECON 2013 Principles of Microeconomics  
ENG 3183 Technical & Professional Writing  
FIN 3113 Financial Management  
FIN 3913 Insurance Planning & Risk Management  
MIS 1903 Computer Business Applications  
MIS 3433 Management Information Systems

### General Electives (10-16 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

Math 1413 "teachers" or "methods" courses will not be counted in the major.

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

A minor program is not required for this major.

Actuaries must pass a series of exams administered by the Society of Actuaries (SOA) in order to achieve professional status as an actuary. The first exam, Exam P, covers probability and supporting calculus topics. Pre-actuary students should take this exam after completing MATH 3513 Mathematical Statistics. The second exam, Exam FM, covers interest theory and financial economics. This exam should be taken after FIN 3113 Financial Management. Other SOA exams cover subjects as risk and risk management.

[2024-2025 Mathematics Applied/Pre-Actuary Check Sheet](#)

[2024-2025 Mathematics Applied/Pre-Actuary 4-Year Plan](#)

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### 2024-2025 Mathematics (General) - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

**Required Mathematics Core (22-28 Credit Hours)**

MATH 1513 College Algebra\*

MATH 1223 Intro to Probability & Statistics

MATH 1713 Trigonometry\*

MATH 2825 Calculus & Analytic Geometry I

MATH 3025 Calculus & Analytic Geometry II

MATH 3033 Calculus & Analytic Geometry III

MATH 3713 Linear Algebra

MATH 4923 Perspectives in Mathematics

**Required for General Mathematics Concentration (12 Credit Hours)**

MATH 3093 Intro to Theorem Prov & Number Theory

MATH 3813 Modern Algebra

MATH 4113 Differential Equations

MATH 4133 Intermediate Analysis

**Required Mathematics Electives (12 Credit Hours)**

Twelve (12) hours mathematics electives (3000-4000 level).

**Related Work (3 Credit Hours)**

CMPSC 1113 Computer Programming; OR

other computer programming course in a high language (logical, functional, or procedural, including Mathematica).

**General Electives (34-37 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

Math 1413 "teachers" or "methods" courses will not be counted in the major.

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

A minor program is not required for this major.

[2024-2025 Mathematics \(General\) Check Sheet](#)

[2024-2025 Mathematics \(General\) 4-Year Plan](#)

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**2024-2025 Mathematics (Teachers Certification) - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

**Required Mathematics Core (22-28 Credit Hours)**

MATH 1513 College Algebra\*

MATH 1223 Intro to Probability & Statistics

MATH 1713 Trigonometry\*

MATH 2825 Calculus & Analytic Geometry I

MATH 3025 Calculus & Analytic Geometry II

MATH 3033 Calculus & Analytic Geometry III

MATH 3713 Linear Algebra

MATH 4923 Perspectives in Mathematics

**Required for Teacher Certification Concentration (17 Credit Hours)**

MATH 3913 Discrete Mathematics

MATH 3093 Intro to Theorem Prov & Number Theory

MATH 3213 College Geometry

MATH 3013 Modern Algebra

MATH 4915 Methods of Teaching Secondary Math

**Required Mathematics Electives (6 Credit Hours)**

Six (6) hours of mathematics electives (3000-4000) level.

**Related Work (9 Credit Hours)**

CMPSC 1113 Computer Programming I; OR

other computer programming course in a high level language (logical, functional or procedural, including Mathematica).

COMM 1113 Fundamentals of Human Comm

PSYCH 1113 General Psychology

**Minor**

Professional Education is used as the minor and no other minor is required for this major.

**Professional Education (30 Credit Hours)**

EDUC 2402 Survey of Excep Child

PSYCH 3463 Child & Adolescent Psych

EDUC 2012 Foundations of Educ

EDUC 2631 Foundations of Educ Technology

EDUC 2211 Field Experience I

EDPSY 3513 Educ Psych

EDUC 3001 Field Experience II

EDUC 4052 Effective Teaching in Secondary Education

EDUC 4611 Field Experience III  
EDUC 4632 Education Technology Integration Strategies  
EDUC 4262 Student Teaching Seminar I  
EDUC 4282 Student Teaching Seminar II  
EDUC 4974 Sup Student Tchg Secondary School  
EDUC 4974 Sup Student Tchg Secondary School

[View School of Business Catalog for Course Descriptions](#)

### General Electives (7-13 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

Math 1413 "teachers" or "methods" courses will not be counted in the major.

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

[2024-2025 Mathematics \(Teacher Certification\) Check Sheet](#)

[2024-2025 Mathematics \(Teacher Certification\) 4-Year Plan](#)

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### 2024-2025 Mathematics (Data Science) - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

#### Required Mathematics Core (22-28 Credit Hours)

MATH 1513 College Algebra\*  
MATH 1223 Intro to Probability and Statistics  
MATH 1713 Trigonometry\*  
MATH 2825 Calculus and Analytic Geometry I  
MATH 3025 Calculus and Analytic Geometry II  
MATH 3033 Calculus and Analytic Geometry III  
MATH 3713 Linear Algebra  
MATH 4923 Perspectives in Mathematics

#### Required for Data Science Concentration (18 Credit Hours)

CPSMA 2103 Data Structures  
CPSMA 3813 Data Mining  
CPSMA 4313 Data Processing and Visualization  
CPSMA 4513 Data Applications in Business  
MATH 3513 Mathematical Statistics  
MATH 3583 Applied Statistics

#### Required Mathematics Electives (6 Credit Hours)

Select two of the following courses.

CPSMA 3913 Discrete Mathematics  
CPSMA 3933 Operations Research  
CPSMA 4413 Numerical Methods

#### Related Work (12 Credit Hours)

CMPSC 1113 Computer Programming I  
CMPSC 1133 Computer Programming II  
CMPSC 3313 Advanced Computer Languages  
CMPSC 4213 Data Base Design

### Minor

A minor is not required for this program.

### General Electives (22-31 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

Math 1413 "teachers" or "methods" courses will not be counted in the major.

\* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

[2024-2025 Mathematics \(Data Science\) Check Sheet](#)

[2024-2025 Mathematics \(Data Science\) 4-Year Plan](#)

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### 2024-2025 Minor in Computer Science (18 Credit Hours)

#### Required Courses

CMPSC 1113 Computer Programming I



CMPS 1133 Computer Programming II  
 CPSMA 2103 Data Structures  
 Nine (9) hours of elective computer science courses.

#### Special Requirements

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in Computer Science Check Sheet...](#)

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#### 2024-2025 Minor in Mathematics (19 Credit Hours)

##### Required Courses

MATH 1513 College Algebra

MATH 1713 Trigonometry

MATH 2825 Calculus & Analytic Geometry I

MATH 3025 Calculus & Analytic Geometry II

Three (3) hours of mathematics electives above MATH 1713.

##### Special Requirements

In approved cases, upper division courses may be substituted for MATH 1513 and/or MATH 1713.

"Teachers" or "methods" courses are not to be counted in the minor.

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in Mathematics Check Sheet](#)

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#### School of Nursing

##### Majors Offered

[Nursing - Bachelor of Science](#)

##### Departmental Information

##### Accreditation

The ECU School of Nursing is approved by the Oklahoma Board of Nursing. Graduates of this state-approved program are eligible to write the National Council Licensure Examination (NCLEX) for registered nurses. Applicants for Oklahoma licensure must meet all state and federal requirements to hold an Oklahoma license and practice nursing. Specific requirements may be found at Oklahoma Board of Nursing. The School of Nursing at East Central University located in Ada, Oklahoma is accredited by the: Accreditation Commission for Education in Nursing (ACEN) 3390 Peachtree Road NE, Suite 1400 Atlanta, GA 30326. 405-975-5000. The most recent accreditation decision made by the ACEN Board of Commissioners for the ECU School of Nursing is continuing accreditation. View the public information disclosed by the ACEN regarding this program at [www.acennursing.us/accreditedprograms/programSearch/htm](http://www.acennursing.us/accreditedprograms/programSearch/htm)

##### Pre-Licensure Nursing Program

The School of Nursing offers the Bachelor of Science with a major in Nursing degree to pre-licensure students. A minimum of 121 hours is required for graduation, to include 40 general education, 21 required related work, and 60 in the major. Courses prepare students to provide high-quality, professional nursing care in a variety of settings. See additional information at School of Nursing. Due to the prior work experience of LPN pathway nursing students, all academic deficiency/remediations will be waived.

##### Pre-Licensure Admission Requirements

Admission decisions are based upon published criteria, faculty input, and program outcomes. The fall semester admission cycle opens October 1st and closes March 1; the spring semester admission cycle opens on April 1st and closes September 1st. Any exceptions to admission criterion must be reviewed and approved on a case-by-case basis by the Director and a committee of faculty. Students should work with their nursing advisor regarding the need for a possible exception.

1. Must meet university admission requirements; apply and be accepted to ECU prior to starting the program.
2. Minimum retention and program grade point average of 2.7/4.0, and grades of "C" or higher in all required related work.
3. Completion of a minimum of 24 credit hours of general education/ required related work/support courses, or the equivalent thereof at the time of application.
4. English Comp I & II, Math requirement, Chemistry, Biology, Human Anatomy (A&P I), Nutrition, and General Psychology must be completed prior to beginning the program.
5. Entrance exam must be taken by the application deadline, with a minimum score achieved, as outlined in the application information.
6. Once provisionally admitted, complete all remaining requirement related to clinical, attestations, and accreditation.

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### **2024-2025 Nursing - Bachelor of Science (121 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

#### **General Education**

This program requires specific courses to be applied toward general education requirements. Seventeen (17) hours (BIOL 1114, CHEM 1114 or CHEM 1324, KIN 2183, MATH 1513 or MATH 1613, and PSYCH 1113) counted in the major.

#### **Required Core Courses (36 Credit Hours)**

NRSG 1142 Introduction to Professional Nursing  
NRSG 2104 Foundations in Nursing  
NRSG 3118 Med Surg I  
NRSG 3193 Pharmacology I  
NRSG 3218 Med Surg II  
NRSG 3393 Pharmacology II  
NRSG 4164 Nursing-Childbearing Family  
NRSG 4214 Psychiatric-Mental Health Nursing

#### **Required in Nursing Major (24 Credit Hours)**

NRSG 2224 Physical Assessment  
NRSG 3883 Nursing Research  
NRSG 4375 Med Surg III  
NRSG 4513 Prioritization & Critical Thinking  
NRSG 4283 Community Health Nursing  
NRSG 4382 Leadership in Nursing  
NRSG 4954 Transition to Professional Practice

#### **Related Work (38 Credit Hours)**

BIOL 1114 General Biology  
BIOL 2184 Human Anatomy  
BIOL 2344 General Microbiology  
BIOL 3634 Human Physiology  
CHEM 1114 General Chemistry; OR  
CHEM 1324 Chemical Principles  
KIN 2183 Basic Nutrition  
MATH 1513 College Algebra; OR  
MATH 1613 Functions & Modeling  
PSYCH 1113 General Psychology  
PSYCH 3463 Child & Adolescent Psychology

Three (3) hours introductory statistics OR one of the following:

BSEC 2603 Business & Economic Statistics  
EHS 3703 Biostatistics  
MATH 1223 Intro to Probability Statistics  
PSYCH 3883 Behavioral Science Statistics  
SOC 3833 Stats for Social Sciences

\*Three (3) hour Computer course to meet OSHRE computer proficiency requirement.

#### **Nursing Electives**

NRSG 4673 Healthcare Communications  
NRSG 4683 Current Topics in Nursing  
NRSG 4981-5 Seminar in Nursing  
NRSG 4991-4 Individual Studies in Nursing

#### **Special Requirements**

A minor program is not required for this major.

[2024-2025 Nursing Check Sheet](#)

[2024-2025 Nursing 4-Year Plan](#)

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## COLLEGE OF LIBERAL ARTS & SOCIAL SCIENCES

### College of Liberal Arts & Social Sciences

Mark Walling, Dean

Department of English & Languages

Department of History

Department of Politics, Law & Society

Department of Professional Programs in Human Services

Native American Studies

Interdisciplinary Studies

Department of Art & Design: Media & Communication

Department of Performing Arts

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### Department of English & Languages

#### Majors Offered

English - Bachelor of Arts

English (Teacher Certification) - Bachelor of Arts

#### Minors Offered

English

Humanities

#### Course Prefixes

2024-2025 English (ENG) Courses

2024-2025 French (FREN) Courses

2024-2025 German (GER) Courses

2024-2025 Humanities (HUM) Courses

2024-2025 Latin (LATIN) Courses

2024-2025 Russian (RUSS) Courses

2024-2025 Spanish (SPAN) Courses

#### Departmental Information

The Department of English and Languages offers a major in English. It offers minors in English, Humanities, and English as a Second Language, as well as course work in additional languages. Students in the department's major and minor programs enhance their reading and writing skills important in a variety of careers, absorb the cultural understanding necessary for success in a diverse society, and develop the critical thinking skills which will lead to professional and advanced academic success.

The major in English is appropriate for many professional and cultural objectives. By properly selecting courses, students may prepare for a variety of options:

graduate work in literature, writing, or linguistics;

certification for secondary teaching;

professional work in creative, expository, and technical writing; or

professional study in such areas as law or technical communication.

Because of the comprehensive variety of courses offered, students have opportunity within the major to explore areas of special interest: for example, American, British and World literatures, the English language, or technical and creative writing.

#### English Program

The Department of English and Languages offers undergraduate majors in English and English Teacher Certification. English majors develop broad cultural awareness and advanced reading and writing skills through study of poetry, drama, fiction, film, and critical theory. Additional study of creative and persuasive writing, and grammar and linguistics prepares students for graduate study in literature, rhetoric and composition, creative or technical writing, linguistics, or for study of law. English Teacher Certification majors take additional courses in methods of teaching English to attain state certification qualifying them to teach English at the middle and high school levels. The department also offers minors in English, English as a Second Language, and Humanities.

#### Languages

The department offers basic courses in French, and Russian. All foreign language studies provide awareness of the culture of the language and insight into the unique world view of different languages.

#### Humanities

The department offers a minor in the humanities, those branches of learning which deal with what is fundamentally human self consciousness, language, reason, creativity, human values and aspirations. The department and the college offer a wide range of humanities courses to serve the minor and satisfy university general education requirements. Examples include courses in literature, film, language, history, philosophy, religion, art, music, and theater.

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#### 2024-2025 English - Bachelor of Arts (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour general education program.

#### Required Core Courses (18 Credit Hours)

ENG 3143 Introduction to Film

ENG 3193 Persuasive Writing & Logic

ENG 3213 Shakespeare

ENG 3363 Critical Approaches to Literature

ENG 4013 Grammar & Linguistics  
ENG 4883 Publication & Portfolio Capstone

### **Required English Survey Electives (12 Credit Hours)**

Four (4) of the following survey courses, including one from each category. Select one additional survey from American, British or World Literature.

American Literature  
ENG 2433 American Literature to 1865  
ENG 2433 American Literature since 1865

British Literature  
ENG 2643 British Literature to 1800  
ENG 2653 British Literature since 1800

World Literature  
ENG 3913 World Literature to 1700  
ENG 3923 World Literature since 1700  
HUM 232 Global Literatures

### **Senior-Level Electives (6 Credit Hours)**

ENG 4000-Level  
ENG 4000-Level

### **Any English Electives (6 Credit Hours)**

ENG - any course  
ENG - any course

### **Related Work (6 Credit Hours)**

One 3hr elementary language course  
One additional 3hr elementary language course (sequential preferred)  
Students should consult with program advisor when selecting courses.

### **General Electives (32-38 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### **Special Requirements**

A minor program of study is not required for this major.

[2024-2025 English Check Sheet](#)

[2024-2025 English 4-Year Plan](#)

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### **2024-2025 English (Teacher Certification) - Bachelor of Arts (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour general education program.

### **Required Course Courses (18 Credit Hours)**

ENG 3143 Introduction to Film  
ENG 3193 Persuasive Writing & Logic  
ENG 3213 Shakespeare  
ENG 3363 Critical Approaches to Literature  
ENG 4013 Grammar & Linguistics  
ENG 4883 Publication & Portfolio Capstone

### **Required for English Teacher Certification Concentration (6 Credit Hours)**

ENG 3733 Teaching Literature in Secondary School  
ENG 4723 Teaching of Grammar and Composition in Secondary School

### **Required English-Teacher Certification Electives (12 Credit Hours)**

Four (4) of the following survey courses, including one from each category. Select one additional survey from American, British or World Literature.

American Literature  
ENG 2423 American Literature to 1865  
ENG 2433 American Literature since 1865

British Literature  
ENG 2643 British Literature to 1800  
ENG 2653 British Literature since 1800

World Literature  
ENG 3913 World Literature to 1700  
ENG 3923 World Literature since 1700  
HUM 2323 Global Literatures

### **Senior-Level Electives (3 Credit Hours)**

ENG 4000-Level

### **English Elective (3 Credit Hours)**

ENG - any course

**Related Work (12 Credit Hours)**

One 3hr elementary language course  
 One additional 3hr elementary language course (sequential preferred)  
 COMM 1113 Fundamentals of Human Communication  
 PSYCH 1113 General Psychology

**Minor/Professional Education (30 Credit Hours)**

Professional Education is used for the minor and no other minor is required for this major.

**General Electives (0-8 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

The OSRHE computer proficiency graduation requirement will be met through the completion of the courses EDUC 4611 Field Experiences III and EDUC 4632 Education Technology (including equated or substituted courses), both of which are required courses in the professional education sequence.

[2024-2025 English \(Teacher Cert.\) Check Sheet](#)

[2024-2025 English \(Teacher Cert.\) 4-Year Plan](#)

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**2024-2025 Minor in English (21 Credit Hours)****Select 18 hours from the following list:**

ENG 2423 American Literature to 1865  
 ENG 2433 American Literature since 1865  
 ENG 2643 British Literature to 1800  
 ENG 2653 British Literature since 1800  
 ENG 3213 Shakespeare  
 ENG 3913 World Literature to 1700  
 ENG 3923 World Literature Since 1700  
 ENG 3143 Introduction to Film  
 ENG 3363 Critical Approaches  
 ENG 4523 American Literature (*Subject Named in Title Listing*)  
 ENG 4543 British Literature (*Subject Named in Title Listing*)  
 ENG 4553 World Literature (*Subject Named in Title Listing*)  
 ENG 4813 Special Topics in Literature (*Subject Named in Title Listing*)  
 ENG 4013 Grammar and Linguistics  
 ENG 4823 Special Topics in Language (*Subject Named in Title Listing*)  
 ENG 2243 Introduction to Creative Writing  
 ENG 3373 Creative Writing: Genre (*Subject Named in Title Listing*)  
 ENG 3113 Advanced Writing  
 ENG 3183 Technical and Professional Writing  
 ENG 3193 Persuasive Writing and Logic  
 ENG 3343 Composing Theories and Practices  
 ENG 4643 Internship (*Subject Named in Title Listing*)

**Notes**

ENG 1113 and ENG 1213 may not count toward this minor Other ENG prefixes not listed are eligible with department approval. At least six hours must be at the 3000-4000 level. Must earn three hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in English Check Sheet](#)

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**2024-2025 Minor in Humanities (18 Credit Hours)**

Students must complete 12 hours of required courses in the G area of General Education to satisfy General Education graduation requirements. One of the courses with ART, COMM, HIST, HUM or MUS prefixes taken to satisfy General Education G.1 or G.2 area requirements may apply toward the Humanities minor. Students will need 15 additional hours beyond G.1 and G.2 General Education requirements to complete the Humanities minor.

**Select one of the following:**

HIST 1113 Early Western Civilization  
 HUM 2113 General Humanities I

**Select one of the following:**

HIST 1123 Modern Western Civilization  
 HUM 2123 General Humanities II

**Select nine hours from the following:**

General Education G.1 and/or G.2 area courses with ART, COMM, HIST, HUM, MUS or PHIL prefixes.

And/Or

**ART**

ART 2243 Art History Survey I  
 ART 2253 Art History Survey II  
 ART 4213 History of Art-Contemporary  
 ART 4983 Seminar in Art

### COMM

COMM 3403 Theatre History Survey  
COMM 4423 Intercultural Communication

### ENG

ENG 2423 American Literature to 1865  
ENG 2433 American Literature since 1865  
ENG 2643 British Literature to 1800  
ENG 2653 British Literature since 1800  
ENG 3143 Introduction to Film  
ENG 3363 Critical Approaches  
ENG 4000 Level Literature

### HIST

Any History course except HIST 3883

### MCOM

MCOM 1733 Introduction to Mass Media

### MUS

MUS 3633 History of Music Through Bach  
MUS 3643 History of Music since Bach

### PHIL

PHIL 2003 Being, Knowing, Doing  
PHIL 2013 Faith, Freedom, and Fate  
PHIL 2023 Self, Society, and Justice  
PHIL 2033 Truth, Goodness, and Beauty

### **Humanities Elective**

Three hours 4000 level approved humanities course from ART, COMM, ENG, HIST, HUM, MUS or PHIL.

### **Special Requirement**

Must earn three hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in Humanities Check Sheet](#)

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## **Department of History**

### **Majors Offered**

History - Bachelor of Arts  
History (Teacher Certification) - Bachelor of Arts

### **Minors Offered**

History  
Oklahoma Studies

### **Course Prefixes**

[2024-2025 History \(HIST\) Courses](#)  
[2024-2025 Social Studies \(SOSTU\) Courses](#)

### **Department Information**

Success in any career today demands flexibility based in three skill areas: the ability to think critically, the ability to analyze information from a variety of sources and apply that analysis to solving problems, and the ability to communicate that analysis to others. These skills are particularly critical for careers in law, government, business, teaching, medicine, as well as for success in graduate or professional school.

Founded solidly in the tradition of liberal arts, the Department of History at East Central University emphasizes developing these skills. Each History and Native American Studies major may, with the help of faculty, tailor a program to best match individual career and intellectual interests. The department offers degrees in History, and History (Teacher Certification). In addition, the department offers courses in Native American Studies.

### **History Program**

History offers students the richness of past experience to comprehend more lucidly humanity's progress and setbacks, great accomplishments and tragic failures. Historical study teaches judgment, examines values, and explores issues and events; it uncovers the sources of creativity and stagnation during the entire course of civilization's evolution. The significance of the past and its meaning for the possibilities of the present and future become a powerful tool of analysis and interpretation. The History program offers a wide range of courses in United States history, European history, and World history. A student may major or minor in history, selecting an area of concentration for either a BA or a BA with teacher certification

History as a major combined with other disciplines, provides excellent preparation for a productive and meaningful personal and professional life. Majors utilize their skills to teach history and related courses in elementary and secondary school. Graduates may also pursue advanced degrees in history in order to teach and conduct research at the college level. History majors also continue their education in other graduate and professional programs such as journalism, law, management, and public administration. Graduates also seek careers in business, public service, and informational and research positions.

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### **2024-2025 History - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

**Required Core Courses (21 Credit Hours)**

HIST 1113 Foundations of Western Civilization  
 HIST 1123 Modern Western Civilization  
 HIST 2483 U.S. History Survey to 1877  
 HIST 2493 U.S. History Survey since 1877  
 HIST 3333 Vistas in World History  
 HIST 3343 Vistas in U.S. History  
 HIST 3883 Writing in History

**Required History Electives (21 Credit Hours)**

Twenty-one (21) hours 3000-4000 level History Courses

**Special Requirements**

An earned grade of C or higher is required for all History courses to be counted in the History major.

[2024-2025 History Check Sheet](#)

[2024-2025 History 4-Year Plan](#)

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**2024-2025 History (Teacher Certification) - Bachelor of Arts**

The 120 credit hours includes ECU's 40 hour General Education program.

**Required Core Courses (21 Credit Hours)**

HIST 1113 Foundations of Western Civilization  
 HIST 1123 Modern Western Civilization  
 HIST 2483 U.S. History Survey to 1877  
 HIST 2493 U.S. History Survey since 1877  
 HIST 3333 Vistas in World History  
 HIST 3343 Vistas in U.S. History  
 HIST 3883 Writing in History

**Required for Teacher Certification Concentration (3 Credit Hours)**

HIST 2213 Oklahoma History

**Required History Electives (18 Credit Hours)**

Select 18 credit hours of 3000-4000 level History courses in consultation with a program advisor.

**Related Work (21 Credit Hours)**

COMM 1113 Fundamentals of Human Comm  
 PSYCH 1113 General Psychology  
 SOSTU 4873 Methods in Secondary Social Studies

Complete requirements in each of the following areas that have not been counted for General Education credit:

## 1. Economics

Select one of the following:

ECON 2003 Principles of Macroeconomics  
 ECON 2013 Principles of Microeconomics

## 2.) Geography

Select one of the following:

GEOG 1113 Elements of Human Geography  
 GEOG 2513 World Regional Geography

## 3.) Political Science

Select one of the following:

LSPS 3113 Constitutional Law: Issues of National Power  
 LSPS 3133 Civil Rights & Liberties  
 LSPS 3143 First Amendment Law  
 PS 3413 The U.S. Legislatures  
 PS 3633 The U.S. Presidency  
 PS 3723 Oklahoma Politics  
 PS 3913 International Relations

## 4.) Anthropology &amp; Culture

ANTH 2713 Introduction to Cultural Anthropology

**Minor/Professional Education (30 Credit Hours)**

Professional Education is used as the minor and no other minor is required.

EDUC 2402 Survey of Excep Child  
 PSYCH 3463 Child & Adolescent Psych  
 EDUC 2012 Diversity in American Education  
 EDUC 2613 Foundations of Education Technology  
 EDUC 2211 Field Experience I  
 EDPSY 3513 Education Psychology  
 EDUC 3001 Field Experience II  
 EDUC 4052 Effective Teaching in Secondary Education  
 EDUC 4611 Field Experience III  
 EDUC 4262 Student Teaching Seminar I

EDUC 4282 Student Teaching Seminar II  
EDUC 4974 Sup Student Tchng Secondary School  
EDUC 4974 Sup Student Tchng Secondary School

### General Electives (2 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

An earned grade of C or higher is required of all History courses to be counted in the History major.

[2024-2025 History \(Teacher Cert.\) Check Sheet](#)

[2024-2025 History \(Teacher Cert.\) 4-Year Plan](#)

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### 2024-2025 Minor in History (18 Credit Hours)

#### History Electives

Student will select eighteen hours of HIST courses in consultation with an academic advisor.

#### Special Requirements

"Teachers" or "methods" courses do not count in the minor.

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in History Check Sheet](#)

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### 2024-2025 Minor in Oklahoma Studies (18 Credit Hours)

#### Required Course

HUM 2513 Intro to Oklahoma Cultural Studies

#### Individual Study Courses

Select one of the following:

ENG 4993 Individual Study in English

HIST 4993 Individual Study in History

#### Electives

Twelve (12) hours of approved courses in history, English, geography or other areas with significant Oklahoma content. A minimum of 6 of these hours must be in Native American Studies. Courses should be selected in consultation with an academic advisor.

#### Special Requirement

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in Oklahoma Studies Check Sheet](#)

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## Department of Politics, Law & Society

### Majors Offered

Political Science - Bachelor of Arts

Legal Studies - Bachelor of Science

### Minors Offered

Political Science

Legal Studies

Sociology

### Course Prefixes

[2024-2025 Political Science \(PS\) Courses](#)

[2024-2025 Political Science - Communication \(PSCOM\) Courses](#)

[2024-2025 Legal Studies \(LS\) Courses](#)

[2024-2025 Legal Studies - Political Science \(LSPS\) Courses](#)

[2024-2025 Anthropology \(ANTH\) Courses](#)

[2024-2025 Criminal Justice - Sociology \(CJSOC\) Courses](#)

[2024-2025 Geography - Sociology \(GESOC\) Courses](#)

[2024-2025 Psychology - Sociology \(PYSOC\) Courses](#)

[2024-2025 Sociology \(SOC\) Courses](#)

[2024-2025 Social Studies \(SOSTU\) Courses](#)

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### Department Information

The Political Science and Legal Studies programs offer degrees with very different objectives: the BA in political science and the BS in legal studies. Political science majors are given more of an emphasis on critical thinking and written and oral communication skills. Classes are typically discussion-based and service learning and simulations are often employed. The legal studies program is much more applied, teaching skills that will be applicable in the law office, such as legal business applications and knowledge of specialty law subjects. Most classes are based on lectures and focused projects. Both programs study the connection between law and politics and both programs are popular avenues to law school. Paralegals may not provide legal services directly to the public, except as permitted by law.

The Department of Politics, Law and Society also offers a wide variety of courses and a minor in sociology. Sociology is the scientific study of the social causes and consequences of human behavior. The subject matter of sociology has a broad range. It includes the study of the intimate family, as well as the hostile mob. Crime and its causes are studied, as well as religion and its influences. Divisions of race and social class are included, as well as the sharing of beliefs in a common culture. In addition, the department offers courses in cultural anthropology, archaeology, and Native American Studies.

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#### **2024-2025 Political Science - Bachelor of Arts (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

#### **Required for Major & General Education (6 Credit Hours)**

PS 1113 U.S. Government

PS 2113 Intro to Political Science

This major requires six (6) hours from PS 1113 and PS 2113 be counted toward general education. These courses will also be counted toward the major. Also recommended for general education is MATH 1413.

#### **Required in Major (6 Credit Hours)**

PS 3163 Political Science Research Methods

PS 4883 Political Science Capstone

#### **Major Program Electives (24 Credit Hours)**

Select 24 credit hours from the following:

LSPS 2153 Introduction to Law

LSPS 4113 International Jew

LSPS 4883 Jurisprudence

LSPS 4981-4 Seminar

PS 2213 U.S. Government Issues & Their Politics

PS 2881-4 Special Studies in Government

LSPS 3113 Constitutional Law

LSPS 3133 Civil Rights & Liberties

LSPS 3143 First Amendment Law

PS 3173 Campaigns & Elections

PS 3183 Women in Politics

PS 3193 Tribal Politics

PS 3413 The U.S. Legislatures

PS 3253 Political Philosophy

PS 3613 U.S. Political Thought

PS 3633 The U.S. Presidency

PS 3723 Oklahoma Politics

PS 3823 Introduction to Public Management

PS 3913 International Relations

PS 4113 Political Parties

PS 4163 Post Soviet-Block Politics

PS 4353 Study of War

PS 4433 Public Policy Making

PS 4513 Modern Political Thought

PS 4823 U.S. Foreign Policy

PS 4941-6 Internship

PS 4981-6 Seminar in Political Science

PS 4991-4 Individual Study in Political Science

#### **Minor (18-21 Credit Hours)**

A minor program of study is required for this major.

#### **General Electives (29-32 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

"Teachers" or "methods" courses will not count toward this major.

[2024-2025 Political Science Check Sheet](#)

[2024-2025 Political Science 4-Year Plan](#)

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#### **2024-2025 Legal Studies - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

#### **Required for Major (21 Credit Hours)**

LS 3223 Legal Research & Writing I

LS 3233 Legal Research & Writing II



LS 3383 Legal Systems & Applications  
LS 3563 Civil Procedure & Litigation  
LS 4863 Legal Ethics  
LS 4943 Legal Internship; OR  
LS 3243 Native American Legal Clinic  
LSPS 2153 Introduction to Law

### **Legal Specialty Courses (12 Credit Hours)**

Select 12 hours from the following:

LS 4123 Torts  
LS 4133 Evidence  
LS 4143 Native American Law  
LS 4173 Contracts  
LS 4183 Real Estate Law  
LS 4253 Family Law  
LS 4283 Criminal Law  
LS 4543 Wills, Estates, Trust & Probate  
LS 4653 Administrative Law  
LSPS 3143 First Amendment Law  
LSPS 3113 Constitutional Law: Issues of National P  
LSPS 3133 Civil Rights & Liberties  
LSPS 4113 International Law

### **Political Science Electives (9 Credit Hours)**

Select nine (9) credit hours of political science coursework in consultation with program advisor. Courses selected must be at a more advanced level than PS 1113.

### **Controlled Electives (12 Credit Hours)**

Select 12 hours from the following:

ACCT 2103 Financial Accounting  
ACCT 2203 Managerial Accounting  
ACCT 3383 Federal Income Tax Accounting  
BIOL 2113 Medical Terminology  
BUCOMM 3133 Business Comm & Report Writing  
BUSLW 3213 The Legal Environment of Business  
BUSLW 3253 Business Law  
COMM 3213 Persuasion  
CRJS 2233 Introduction to Criminal Justice  
CRJS 4473 Legal Aspects of Criminal Justice Process  
ENG 3193 Persuasive Writing & Logic  
HURES 2103 Interviewing Techniques  
LS 4143 Native American Law  
LS 4981-3 Seminar in Law  
LSPS 4883 Jurisprudence  
MCOM 3853 Media Ethics & Law  
Other PS, LS, LSPS, CRJS or Native American Studies courses not counted above.

### **General Electives (26 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### **Special Requirements**

"Teachers" or "methods" courses may not count toward this major.  
A minor program of study is not required for this major.

[2024-2025 Legal Studies Check Sheet](#)

[2024-2025 Legal Studies 4-Year Plan](#)

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## **2024-2025 Minor in Political Science (18 Credit Hours)**

### **Required Course**

PS 2113 Introduction to Political Science

### **Electives**

Select 15 credit hours of other political science courses (at least 6 hours of 3000-4000 level courses).

### **Special Requirements**

"Teachers" or "methods" courses may not count toward this minor.  
Must earn three hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in Political Science Check Sheet](#)

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## **2024-2025 Minor in Legal Studies (18 Credit Hours)**

The legal studies minor provides students majoring in other degree fields the opportunity to explore law as a discipline at the undergraduate level and study the impact of law on their area of interest. The legal studies minor is not approved by the American Bar Association and the legal studies minor is not intended

to prepare students for paralegal positions. Students who minor in legal studies should not represent themselves as prepared for paralegal employment. The legal studies minor is open to pre-law students and students from any other discipline enrolled at ECU.

#### Required Courses

LS 3223 Legal Research & Writing I  
LS 3563 Civil Procedure & Litigation  
LSPS 2153 Introduction to Law

#### Electives

Select nine (9) hours of Legal Studies courses at the 3000-4000 level.

[2024-2025 Minor in Legal Studies Check Sheet](#)

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#### 2024-2025 Minor in Sociology (18 Credit Hours)

#### Required Courses

SOC 1113 Introduction to Sociology  
SOC 2113 Social Problems

#### Electives

Select twelve (12) hours of other sociology courses in consultation with academic advisor.

#### Special Requirements

"Teachers" or "methods" courses may not count toward this minor.

[2024-2025 Minor in Sociology Check Sheet](#)

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#### Department of Professional Programs in Human Services

#### Majors Offered

Criminal Justice - Bachelor of Arts  
Human Services Counseling - Bachelor of Arts  
Human Services Rehabilitation - Bachelor of Arts  
Social Work - Bachelor of Social Work

#### Minors Offered for Department Majors

Addictions  
Criminal Justice  
Human Services Counseling  
Social Work

#### Minors Offered for Non-Department Majors

Addictions  
Human Services Counseling  
Social Work

#### Course Prefixes

2024-2025 American Sign Language - Human Resources (ASLHR) Courses  
2024-2025 Criminal Justice-Sociology (CRJS) Courses  
2024-2025 Human Resources (HURES) Courses  
2024-2025 Human Resources - Psychology - Education (H/P/E) Courses  
2024-2025 Social Work (SOWK) Courses  
2024-2025 Counseling (COUNS) Courses

#### Departmental Information

The Department of Professional Programs in Human Services offers educational programs that share the common goal of preparing graduates to work with people in a variety of practice settings. The human services field is one of the most rapidly expanding career fields in America today. The Professional Programs in Human Services Department focuses on those careers which require professional preparation for service to individuals, families, groups, and communities. Degree programs include Human Services, Counseling, Criminal Justice, Social Work or Prevention Science. In addition to a general degree program, the Counseling major may select a concentration in rehabilitation, aging services, or services to the deaf. Within the Counseling concentration, students may select a set of courses that prepare them for addictions counseling. The Criminal Justice student may choose criminal justice or law enforcement. The Social Work program, through its Child Welfare Professional Enhancement Program, offers students opportunities for guaranteed employment in child welfare. The student may create a degree plan which will prepare them for entry-level employment in a variety of settings.

The objectives for the Department of Professional Programs in Human Services are:

- 1.) To prepare students educationally for positions in counseling, criminal justice, or social work.
- 2.) To help supply both the regional and local employee pool for human service agencies and organizations.
- 3.) To provide students with a sound undergraduate base for graduate study.

#### Criminal Justice Program

The primary objective of the Criminal Justice degree is to prepare students for beginning professional jobs in the criminal justice system. The curriculum provides a core program of basic courses applicable to all criminal justice fields and specialties. Students gain practical experience through completion of an internship or for those seeking CLEET certification, the Collegiate Officer Program.

#### Human Services Counseling Program

The primary objective of the Human Services Counseling degree is to prepare students for beginning human services positions in a variety of government, civic, and private and not-for-profit community based agencies and organizations. These agencies focus on the needs of people experiencing a variety of issues, physical or mental problems, drug or alcohol abuse, aging related concerns, and job-seeking problems. Client groups to be served range from youth and minorities to those in crisis situations. To prepare students for a variety of employment opportunities, the Human Services Counseling curriculum provides the knowledge and skills needed for prevention and problem solving with both individuals and groups.

**Concentration in Rehabilitation** - The Rehabilitation concentration is designed to prepare students for positions in a variety of federal, state, and community rehabilitation agencies, facilities, and organizations that provide services to individuals with disabilities and addictions. Students completing the program have skills in interviewing, case management, planning, intervention, job/career development, and knowledge of the major disability groups, addictions, and disability culture.

Students may opt for the concentration in rehabilitation or may seek additional expertise in the field of addictions with the minor in Addictions. The rehabilitation program is a Registered Program on the Council on Rehabilitation Education's Undergraduate Program in Disability and Rehabilitation Studies. The program also has various scholarships specific to the rehabilitation program for students. These include assistance through Rehabilitation Services Administration, the Virgil Taylor Scholarship and the Lowell E. Green Scholarship.

### **Social Work Program**

The primary objective of the Social Work education program is to prepare competent and effective generalist social work professionals for entry into direct professional practice positions with individuals, families, groups, communities, and organizations. Students graduating with a degree in social work (BSW) are prepared for employment in many public and private agencies: health care, including hospitals, home health, and hospice; child welfare; mental health; and income maintenance programs. The Child Welfare Professional Enhancement Program provides incentives for social work students pursuing a career in Child Welfare. This program also provides students with an educational foundation for graduate education in social work.

The Social Work Program is nationally accredited by the Council on Social Work Education (CSWE). The curriculum prepares its graduates for generalist practice through mastery of nine core competencies as identified in the Educational Policy and Accreditation Standards (2008) by the CSWE. These core competencies are: demonstrate ethical and professional behavior, engage diversity and difference in practice, advance human rights and social, economic and environmental justice, engage in practice-informed research and research-informed practice, engage in policy practice, engage with individuals, families, groups, organizations, and communities, intervene with individuals, families, groups, organizations, and communities, and evaluate practice with individuals, families, groups, organizations, and communities.

### **Minors & Electives**

In addition to the degree programs, minors are offered in Addictions, Aging Services, Criminal Justice, Human Services Counseling, Interpreting, Juvenile Justice, Services to the Deaf, and Social Work. Through the informed selection of a minor and elective courses, students may gain more in-depth knowledge in selected areas of interest. Students are encouraged to consult with their faculty advisor in the choice of a minor and elective courses.

### **Requirements for Admissions to Professional Program in Human Services**

Students selecting a major in Professional Programs in Human Services (Human Services, Counseling, Social Work, Criminal Justice) must file an application with their faculty advisors. The application is submitted after the student has successfully completed the appropriate introductory course. (SOWK 2273 - Introduction to Social Work and Social Welfare or HURES 2183 - Fundamentals of Counseling; or HURES 2293 - Introduction to Aging; or HURES 2153 - Introduction to Deafness; HURES 2213 - Introduction to Rehabilitation; or CRJS 2233 - Introduction to Criminal Justice).

The criteria for admission are:

- 1.) Completion of a minimum of 30 semester hours with a minimum overall grade point average of 2.25 on all course work attempted.
- 2.) Attainment of a "C" or better in Freshman Composition I and II or fulfillment of this requirement by one of the following:
  - a. Earning a score of 3, 4, or 5 on the Advanced Placement Program of the College Board. A score of 4 or 5 fulfills the ECU requirement for both Freshman Composition I and II;
  - b. Scoring a 50 or higher on the College Level Examination Program (CLEP) with essay option will fulfill the ECU requirement for Freshman Composition I; there is no CLEP to test out of Freshman Composition II.
- 3.) Attainment of a "C" or better in the introductory course for the major.
- 4.) Receive a favorable recommendation by the faculty advisor and/or program faculty members. After full consideration, the applicant is (a) unconditionally admitted, (b) conditionally admitted, (c) not admitted, or (d) deferred, pending additional information.
- 5.) Conditional admission may be granted to a student below minimum requirements for admission if, based on findings by the advisor and/or program faculty, the student may reasonably be expected to meet admission standards within a specified length of time, no later than one semester prior to internship.

A student denied admission has the right to appeal the decision. The procedure for appeal is found in the ECU Student Handbook or may be obtained from the Department Chair.

\*Note: Social work majors not formally admitted to the Program are not permitted to be enrolled in social work courses beyond the introductory and field work courses.

### **Retention Requirements in Majors**

#### **Social Work Major**

- a. Retention in the Social Work Program is dependent upon the student maintaining his or her fully admitted status in the program, which includes grade point average, personal, professional and academic conduct.
- b. Students admitted to the Social Work Major on a "conditional" basis must meet full admission requirements in compliance with the plan developed between the student and their major advisor. Non-compliance with the remediation plan developed between the student and their major advisor, or inability to remediate the deficiency within one semester, will result in denial of admission.
- c. An ongoing process of evaluation of admission status is carried out by social work faculty. Admission status is Liberal Arts and Social Sciences 101 evaluated at the end of each academic year. d. e. a. A minimum grade of "C" is required in HURES 2083 and in all other major courses which carry a SOWK prefix. A student whose admitted status is withdrawn may appeal that decision using the university and Social Work Program appeals process as described in the Social Work Program Handbook.

Human Services Counseling and Criminal Justice Majors  
Same requirements as university retention policy.

### **Requirements for Admission to Internship**

All majors in a Professional Programs in Human Services Department degree program are expected to submit an Application for Internship that includes a degree check and an unofficial transcript. Due dates will be announced and posted.

The criteria for admission are:

- The student applying for internship must have a retention grade point average of no less than 2.50.
- Completion of all required major courses except internship. Social Work majors will take a 2 hour required integrative seminar, but this course is taken concurrently with the internship.
- Recommendation for internship by the faculty advisor and/or the program faculty.

A student who has been denied admission to the internship has the right to appeal the decision. The procedure for appeal is outlined in the Internship Application for each major.

### **Internship Options**

#### **Option I - Full Semester - Full-Time Internships (12 Credit Hours)**

This option requires full-time student enrollment for one semester. The student will be located at the internship site on a full-time basis. Internships are not available for Social Work Majors during the Summer Semester.

#### **Option II - Extended Internship - Departmental Approval Required (6 Credit Hours Per Semester)**

This option allows a student to equally divide the internship activities between two semesters. This is not an option for Social Work majors. Human Services Counseling students must petition and complete necessary forms for this option.

#### **Option III - Work Experience Exemption - Departmental Approval Required**

Students having suitable work experience may petition the Department Chair for exemption from internship. Students not participating in an internship will enroll in an equivalent number of credit hours of approved course work in lieu thereof. This is not an option for Social Work majors. Criminal Justice majors, when appropriate to the degree program, may be eligible to receive up to twelve (12) semester hours credit for having completed a law enforcement academy. Credit may be applied only to the 12-hour internship (see Department Chair for additional information).

#### **Option IV**

The Collegiate Officer Program (COP) offers the Criminal Justice major with a concentration in Law Enforcement the opportunity to become a certified peace or police officer in the State of Oklahoma. Students from other majors may choose to participate in the COP if they meet all eligibility requirements. The Collegiate Officer Program requires completion of selected criminal justice courses, a first aid course, and an eight (8) week skills portion administered by the Department of Professional Programs in Human Services. Additionally, all COP students must complete a thorough criminal background check and MMPI.

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### **2024-2025 Criminal Justice - Bachelor of Arts (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

### **Required Core Courses (18 Credit Hours)**

CRJS 2233 Introduction to Criminal Justice  
CRJS 2253 Adult Correctional Systems  
CRJS 2353 Juvenile Justice System  
CRJS 3333 Criminal Behavior  
CRJS 4293 Police Administration  
CRJS 4473 Legal Aspects of the CJ System

### **Required Electives for Major (24 Credit Hours)**

The 24 credit hours should be selected from the following courses:

CRJS 2453 The Police Function^  
CRJS 3423 Introduction to Law Enforcement^  
CRJS 3643 Criminal Justice Issues  
CRJS 4333 Criminal Investigation I^  
CRJS 4343 Criminal Investigation II^  
CRJS 4623 Interrogation Techniques^  
CRJS 4981-4 Seminar in Criminal Justice  
SOWK 2083 Human Behavior & Social Environment I  
COUNS 2103 Interviewing Techniques  
COUNS 3183 Case Management Practice  
COUNS 3763 Group Process and Practice  
KIN 2273 First Aid^

### **Internship OR Upper Level Electives (12 Credit Hours)**

CRJS 4946 Internship - Criminal Justice  
CRJS 4946 Internship - Criminal Justice

OR

CRJS 4946 Internship - COPS^

CRJS 4946 Internship - COPS^

OR

Any upper-level course in the following areas: CRJS, SOWK, COUNS, Technical Writing

### **Related Work (6 Credit Hours)**

PSYCH 1113 General Psychology

### SOC 1113 Introduction to Sociology

#### **General Electives (26 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

^ Denotes a required course for the Collegiate Officer Program

A minor program of study is not required for this major.

[2024-2025 Criminal Justice Check Sheet](#)

[2024-2025 Criminal Justice 4-Year Plan](#)

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#### **2024-2025 Human Services Counseling - Bachelor of Arts (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

#### **Required Core Courses (18 Credit Hours)**

SOWK 2083 Human Behavior & Social Environment I

COUNS 2103 Interviewing Techniques

COUNS 2183 Fundamentals of Counseling

COUNS 3183 Case Management Practice

COUNS 4946 Internship-Human Services Counseling

#### **Required for Counseling Concentration (15 Credit Hours)**

COUNS 3203 Vocational Testing & Evaluation

COUNS 3213 Employment & Placement Techniques

COUNS 3763 Group Processes & Practice

COUNS 4443 Counseling Services

COUNS 4453 Intervention Techniques

#### **Required Electives (12 Credit Hours)**

Six hours of 2000-4000 level electives in COUNS, SOWK, CRJS, SOC or PSYCH.

Six hours of 3000-4000 level electives in COUNS, SOWK, CRJS, SOC or PSYCH, or an additional section of COUNS 4946.

#### **Related Work (6 Credit Hours)**

PSYCH 1113 General Psychology

SOC 1113 Intro to Sociology

#### **General Electives (35 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

"Teachers" or "methods" courses may not count toward this major.

A minor program of study is not required for this major.

[2024-2025 Human Services Counseling Check Sheet](#)

[2024-2025 Human Services Counseling 4-Year Plan](#)

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#### **2024-2025 Human Services Counseling (Rehabilitation) - Bachelor of Arts (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

#### **Required Core Courses (18 Credit Hours)**

SOWK 2083 Human Behavior & Social Environment I

COUNS 2103 Interviewing Techniques

COUNS 2183 Fundamentals of Counseling

COUNS 3183 Case Management Practice

COUNS 4946 Internship-Human Services Counseling

#### **Required for Rehabilitation Concentration (21 Credit Hours)**

COUNS 2213 Introduction to Rehab Counseling

COUNS 3083 Med, Soc & Psych Aspects of Disability

COUNS 3203 Vocational Testing & Evaluation

COUNS 3213 Employment & Placement Techniques

COUNS 3763 Group Processes & Practice

COUNS 4443 Counseling Services

COUNS 4453 Intervention Techniques

#### **Required Electives (6 Credit Hours)**

Six hours of 3000-4000 level electives in COUNS, SOWK, CRJS, SOR, or PSYCH or an additional section of COUNS 4946.

#### **Related Work (6 Credit Hours)**

PSYCH 1113 General Psychology

SOC 1113 Intro to Sociology

**General Electives (35 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

"Teachers" or "methods" courses may not count toward this major.  
A minor program of study is not required for this major.

[2024-2025 Human Services Counseling \(Rehabilitation\) Check Sheet](#)

[2024-2025 Human Services Counseling \(Rehabilitation\) 4-Year Plan](#)

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**2024-2025 Social Work - Bachelor of Social Work (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

**Required Courses (46 Credit Hours)**

SOWK 2083 Human Behavior & Social Environment I

COUNS 2103 Interviewing Techniques

COUNS 3183 Case Management Practice

COUNS 3763 Group Processes & Practice

SOWK 2273 Intro to Social Work & Social Welfare

SOWK 2521 Prof Skills for Soc Work and Soc Welfare

SOWK 3013 Social Work Practice I

SOWK 3613 Social Welfare Policy & Services

SOWK 3833 Research Methods in Social work

SOWK 4423 Human Behavior & Social Environment II

SOWK4494 Social Work Practices II

SOWK 4892 Integrative Seminar in Social Work

SOWK 4946 Internship in Social Work

SOWK 4946 Internship in Social Work

**Related Work (10 Credit Hours)**

The following courses satisfy general education, and must be completed prior to SOWK 2083.

BIOL 1114 General Biology

PSYCH 1113 General Psychology

SOC 1113 Introduction to Sociology

**General Electives (34 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

A minor program of study is not required for this major.

[2024-2025 Social Work Check Sheet](#)

[2024-2025 Social Work 4-Year Plan](#)

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**2024-2025 Minor in Addictions - Department Majors (18 Credit Hours)****Required Courses**

HURES 2183 Fundamentals of Counseling

HURES 3283 Addictions & Society

HURES 3383 Introduction to Addictions

HURES 3763 Group Processes & Practice

HURES 3813 Family Systems, Codependency & Addictions

HURES 4453 Intervention Techniques

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**2024-2025 Minor in Addictions - Non-Department Majors (21 Credit Hours)****Required Courses**

HURES 2103 Interviewing Techniques

HURES 2183 Fundamentals of Counseling

HURES 3283 Addictions & Society

HURES 3383 Introduction to Addictions

HURES 3763 Group Processes & Practice

HURES 3813 Family Systems, Codependency & Addictions

HURES 4453 Intervention Techniques

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### **2024-2025 Minor in Criminal Justice - Department Majors (18 Credit Hours)**

#### **Required Course**

CRJS 2233 Introduction to Criminal Justice

#### **Electives**

Select six (6) hours from the following:

CRJS 2253 Adult Correctional Systems

CRJS 2353 Juvenile Justice Systems

CRJS 2453 The Police Function

CRJS 3423 Introduction to Law Enforcement

Select nine (9) hours from the following:

CRJS 3333 Criminal Behavior

CRJS 3643 Criminal Justice Issues

CRJS 3653 Alternatives to Incarceration

CRJS 4153 Juvenile Program & Settings

CRJS 4293 Police Administration

CRJS 4333 Criminal Investigations I

CRJS 4343 Criminal Investigations II

CRJS 4413 Correctional Programs & Settings

CRJS 4473 Legal Aspects of the Criminal Justice System

CRJS 4623 Interrogation Techniques

CRJS 4981-4 Seminar in Criminal Justice

#### **Special Requirements**

Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

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### **2024-2025 Minor in Human Serv. Counseling - Dept. Majors (18 Credit Hours)**

#### **Required Courses**

HURES 2183 Fundamentals of Counseling

HURES 3203 Vocational Testing & Evaluation

HURES 4443 Counseling Services

HURES 4453 Intervention Techniques

#### **Electives**

Six (6) hours from 2000-4000 level courses in HURES, COUNS, SOWK, CRJS, SOC or PSYCH.

#### **Special Requirements**

Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

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### **2024-2025 Minor in Human Serv. Counseling - Non-Dept. Majors (18 Credit Hours)**

#### **Required Courses**

HURES 2103 Interviewing Techniques

HURES 2183 Fundamentals of Counseling

HURES 3183 Case Management Practice

HURES 3203 Vocational Testing & Evaluation

HURES 4443 Counseling Services

#### **Electives**

Six (6) hours from 2000-4000 level electives in HURES, COUNS, SOWK, CRJS, SOC or PSYCH.

#### **Special Requirements**

Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

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### **2024-2025 Minor in Social Work - Department Majors (18 Credit Hours)**

#### **Required Courses**

SOWK 2273 Intro to Social Work & Social Welfare

SOWK 2521 Professional Skills for Social & Social Welfare

SOWK 3613 Social Welfare Policy & Services

SOWK 4423 Human Behavior & Social Environment II

**Electives**

Eight (8) hours of electives approved by Social Work faculty.

**Special Requirements**

Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

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**2024-2025 Minor in Social Work - Non-Department Majors (18 Credit Hours)****Required Courses**

HURES 2103 Interviewing Techniques

HURES 3183 Case Management Practice

SOWK 2273 Intro to Social Work & Social Welfare

SOWK 3613 Social Welfare Policy & Services

**Electives**

Five (5) hours of electives approved by social work faculty.

**Special Requirements**

Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

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**Native American Studies Program****Majors Offered**

[Native American Studies - Bachelor of Arts](#)

**Minors Offered**

[Native American Studies](#)

**Course Prefixes**

[2024-2025 Chickasaw \(CHI\) Courses](#)

[2024-2025 Choctaw \(CHO\) Courses](#)

[2024-2025 Native American Studies \(NAS\) Courses](#)

**Department Information**

ECU offers both a BA and a minor in Native American Studies. Native American Studies is an interdisciplinary program that reflects an awareness of the issues which contemporary native communities and peoples confront. By approaching the multiplicity of Indian cultures from a variety of academic perspectives, a deeper understanding of native societies past and present emerges. It makes use of the strengths of university faculty members in history, archaeology, political science, business, nursing, legal studies, art, English, professional programs in human services, and other disciplines.

We also offer a BA in Native American Studies - Cultural Resource Management (CRM). CRM students learn to manage cultural resources that include heritage and the arts. Archaeology and the study of material culture is central to their work. In addition to understanding Native American history and culture, students pursuing this major will learn about tribal, federal, state, and local regulations and guidelines that impact how we manage cultural resources.

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[Return to Native American Studies](#)

**2024-2025 Native American Studies - Bachelor of Arts (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

**General Education**

It is recommended that students complete MATH 1413 as part of their general education curriculum.

**Required Core Courses (18 Credit Hours)**

ANTH 2523 Native Peoples of North America

ANTH 2713 Intro to Cultural Anthropology

NAS 1113 Introduction to Native American Studies

NAS 3003 Tribal Sovereignty & Federal Indian Policy; OR

NAS 3013 Intro to Native American Language; OR

NAS 4983 Indigenous Representations in Film & Documentaries

NAS 4113 Research in Native American Studies

NAS 4223 Internship in Native American Studies

**Required Electives (18 Credit Hours)**

Other approved hours relating to NAS may be substituted if approved by NAS chair.

ANTH 2003 Intro to Cultural Resource Management

ANTH 3003 Archaeological Theory & Methods

ANTH 4503 Archaeology Field School

ANTH 4981-4 Seminar in Cultural Resource Management

BUS 3013 Native American Economic Development

CHI 1113 - 4113 Chickasaw I - IV

CHO 1113 Choctaw I



ENG 3123 Introduction to Linguistics  
LS 4143 Introduction to Native American Law  
NAS 2113 Chickasaw Humanities: Comparing Culture  
NAS 2123 Chickasaw Humanities: Chickasaw Culture  
NAS 2883 Special Studies - Muskogee Creek I  
NAS 2884 Special Studies - Potawatomi I  
NAS 4981-4 Seminar in Native American Studies  
PS 3193 Tribal Politics  
SOC 3003 Native American Sociology  
SOWK 4113 The Indian Child Welfare Act

### Minor

A minor is not required for this major. A minor may be selected in consultation with the NAS department chair.

### General Electives (46 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

"Teachers" or "methods" courses do not count in major.

[2024-2025 Native American Studies Check Sheet](#)

[2024-2025 Native American Studies 4-Year Plan](#)

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### 2024-2025 Minor in Native American Studies (18 Credit Hours)

#### Required Course

ANTH 2523 Native Peoples of North America

#### Electives

Select 15 other hours approved by the Chickasaw Nation Native American Studies Chair.

#### Special Requirements

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor Check Sheet](#)

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### Interdisciplinary Studies Program

#### Majors Offered

[Interdisciplinary Studies - Bachelor of Arts](#)

#### Course Prefix

[2024-2025 Interdisciplinary Studies \(IDS\) Courses](#)

#### Department Information

#### Eligibility Requirements

The student must be 21 or older and have earned at least 60 semester hours.

#### Admission Requirements

The student must be admitted to East Central University. The student must meet in person or by phone with the Program Director or their assigned Online Advisor to complete an Individual Learning Plan (ILP) for Interdisciplinary Studies.

#### Prior Learning

Students in the program may apply transfer credits from other colleges/universities, credit by examination (e.g., CLEP or ECU Challenge Exam), Military and other non-college courses evaluated by the American Council on Education.

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[Return to Interdisciplinary Studies Program](#)

### 2024-2025 Interdisciplinary Studies - Bachelor of Arts (120 Credit)

The 120 credit hours includes ECU's 40 hour General Education program.

#### Required Core (12 Credit Hours)

IDS 3113 Interdisciplinary Studies  
IDS 3123 Professional Field Experience I  
IDS 4123 Professional Field Experience II  
IDS 4723 Senior Project

#### Required Interdisciplinary Courses (33 Credit Hours)

Student will complete 33 semester hours of coursework that is approved in the student's Independent Learning Plan (ILP). The ILP must reflect a coherent plan of study in support of the student's academic and career goals. The ILP must include at least 18 hours of credit from ECU and at least 15 hours must be upper division credit.

**General Electives (35 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

Students seeking a teaching license under Alternative Certification must meet the requirements of the State Department of Education.

[2024-2025 Interdisciplinary Check Sheet](#)

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**Department of Art + Design: Media + Communication****Majors Offered**

[Art \(Graphic Design\) - Bachelor of Fine Arts](#)

[Art \(Studio Art\) - Bachelor of Fine Arts](#)

[Art \(Teacher Certification\) - Bachelor of Fine Arts](#)

[Mass Communication \(Media Production\) - Bachelor of Science](#)

[Mass Communication \(Advertising/Public Relations\) - Bachelor of Science](#)

[Mass Communication \(Strategic Communication\) - Bachelor of Science](#)

**Minors Offered**

[Art - contact department for details](#)

[Art Therapy Preparation \(Fine Arts Majors\) - contact department for details](#)

[Art Therapy Preparation \(Non-Fine Arts Majors, Psych or Human Services Counseling\) - contact department for details](#)

[Art Therapy Preparation - Visual Arts \(Psych & Human Services Counseling Majors\) - contact department for details](#)

[Art Therapy Preparation - Theatre \(Psych & Human Services Counseling Majors\)](#)

[Art Therapy Preparation - Music \(Psych & Human Services Counseling Majors\)](#)

[Game Design](#)

[Media/Graphic Arts \(Mass Comm Majors\)](#)

[Media/Graphic Arts \(Non-Mass Comm Majors\)](#)

[Mass Communication](#)

[Communication & Performance Studies - Communication - contact department for details](#)

**Certificates Offered**

[Mass Communication \(Accounts Management\)](#)

[Mass Communication \(Social Media Marketing\)](#)

**Course Prefixes**

[2024-2025 Art \(ART\) Courses](#)

[2024-2025 Communication \(COMM\) Courses](#)

[2024-2025 Mass Communication \(MCOMM\) Courses](#)

[2024-2025 SFA Courses](#)

[2024-2025 Theatre \(THEA\) Courses](#)

**Department Information**

East Central University's Department of Art + Design : Media + Communication encourages collaboration across disciplines and offers major and minor programs in art, communication, and media. In art, students develop a personal, aesthetically based, problem solving approach to the visual arts and acquire skills in drawing, painting, design, sculpture, ceramics, and digital media. Lecture courses are designed to engage students in the contextuality of art as a historical dialogue.

Facilities include state of the art studios for drawing, painting, printmaking, ceramics, sculpture, digital imaging and foundations. The Department can access over 50,000 images via database for art history. It houses a state of the art digital imaging laboratory. Other equipment in the department includes: high fire, raku, and salt glazing kilns for ceramics; metal working equipment, a ceramic shell foundry, CNC machine, 3D printer, wood and stone carving equipment for sculpting; and equipment for etching, lithography, serigraphy, and relief printmaking, audio and video production.

**Art Program**

The department offers a Bachelor of Fine Arts degree with concentrations in studio art, art education, and graphic design. The concentration in studio art prepares students for positions as an artist or for further study in fine arts graduate programs. The concentration in art education prepares students for positions teaching art in school prekindergarten through grade twelve. The graphic design concentration prepares students for positions in which graphic design skills are paramount, which include design, typography layout and graphic design for publication, and corporate image design.

**Mass Communication Programs**

The department also offers a Mass Communication major with concentrations in Media Production, Advertising/Public Relations, and Strategic Communication. Media Production prepares students to enter graduate programs, media industries, government and business. It also serves students who wish to pursue careers and other interests in audio and video production, and electronic and print journalism. Advertising/Public Relations prepares students who wish to pursue careers representing businesses and other organizations through the use of mass media. Strategic Communication prepares students for careers in content creation, broadcasting/streaming, and public relations with listening and presentational skills, communications theory, and practical industry experiences. Minors are offered in Art, Communication, Art Therapy, Media/ Graphic Arts and Mass Communication. Certification in Mass Communication (Accounts Management) is offered.

**Internship Hours**

Over the course of a semester, a student might complete 30 logged internship hours per 1 internship course credit hour completed.

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[Return to Department of Art/Design/Media/Comm](#)

**2024-2025 Art - Graphic Design - Bachelor of Fine Arts**

The 120 credit hours includes ECU's 40 hour General Education program.

### Foundation Core (33 Credit Hours)

ART 1123 Computers for Creatives  
ART 1133 Drawing I  
ART 1143 Theory & Social Practice  
ART 1213 Two Dimensional Design  
ART 1313 Three Dimensional Design  
ART 2243 Art History Survey I  
ART 2253 Art History Survey II  
ART 2273 Survey of Multicultural Art  
ART 3713 Printmaking I  
ART 3923 Digital & Electronic Art I  
ART 4213 History of Art Contemporary  
SFA 1000 Cultural Attendance

### Design Core (18 Credit Hours)

ART 2153 Typography I  
ART 3133 Drawing II  
ART 3153 Typography II  
ART 2943 Principles of Graphic Design  
ART 3943 Graphic Design I  
MCOM 1713 Introduction to Photography

### Advanced Design Core (12 Credit Hours)

ART 3303 Motion Graphics  
ART 3713 Printmaking I (OR Figure Drawing I)  
ART 3403 Figure Drawing (OR Printmaking I)  
ART 3953 Graphic Design II  
ART 4923 Digital & Electronic Art II

### Graphic Design - Major Electives (9 Credit Hours)

Select three courses from the following:

ART 3143 Drawing III  
ART 3414 Figure Drawing II  
ART 3903 Figure Drawing III  
ART 4943 Graphic Design Internship  
MCOM 1813 Intro to Video  
MCOM 3043 AR/VR Production  
MCOM 3063 Emerging Media  
MCOM 3333 Intermediate Photography  
MCOM 3343 Imaging for Media

### Capstone Courses (3 Credit Hours)

ART 4741 Professional Practice I  
ART 4841 Professional Practice II  
ART 4971 Senior Exhibit

### General Electives (14 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

"Teachers" or "methods" courses may not count toward this major.

A minor program of study is not required for this major.

[2024-2025 Art Graphic Design Check Sheet](#)

[2024-2025 Art Graphic Design 4-Year Plan](#) (contact department for details)

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### 2024-2025 Art - Studio Art - Bachelor of Fine Arts

The 120 credit hours includes ECU's 40 hour General Education program.

### Foundation Core (33 Credit Hours)

ART 1123 Computers for Creatives  
ART 1133 Drawing I  
ART 1143 Theory & Social Practice  
ART 1213 Two Dimensional Design  
ART 1313 Three Dimensional Design  
ART 2243 Art History Survey I  
ART 2253 Art History Survey II  
ART 2273 Survey of Mathematical Art  
ART 3713 Printmaking I  
ART 3923 Digital & Electronic Art I  
ART 4213 History of Art Contemporary  
SFA 1000 Cultural Attendance

### Studio Core (15 Credit Hours)

ART 3133 Drawing II; OR  
ART 3403 Figure Drawing I

**MCOM 1713 Introduction to Photography**

Select three courses from the following:

ART 3213 Watercolor I  
 ART 2313 Painting I  
 ART 3513 Sculpture I  
 ART 3813 Ceramics I

**Advanced Design Core (6 Credit Hours)**

Select two courses from the following:

ART 3213 Watercolor II  
 ART 3313 Painting II  
 ART 3413 Figure Drawing II  
 ART 3613 Sculpture II  
 ART 4923 Digital & Electronic Art II

**Vertical Foundation (12 Credit Hours)**

ART 2103 Integrated Studio I  
 ART 3103 Integrated Studio II  
 ART 4103 Integrated Studio III  
 ART 4203 Integrated Studio IV

**Studio Electives (3 Credit Hours)**

Select one course from the following

ART 3143 Drawing III  
 ART 3323 Painting III  
 ART 3623 Sculpture III  
 ART 3903 Figure Drawing III  
 ART 4813 Ceramics II  
 ART 4823 Ceramics III

**Capstone Core (3 Credit Hours)**

ART 4741 Professional Practice I  
 ART 4841 Professional Practice II  
 ART 4971 Senior Exhibit

**General Electives (8 - 14 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

A minor program of study is not required for this major.

[2024-2025 Art - Studio Art Check Sheet](#)

[2024-2025 Art - Studio Art 4-Year Plan](#)

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**2024-2025 Art - Teacher Certification - Bachelor of Fine Arts****General Education**

The 120 credit hours includes ECU's 40 hour General Education program. It is recommended that program majors complete MATH 1413 and BIOL 1114 toward their general education requirement. Program majors are required to complete COMM 1113 Fundamentals of Human Communication and PSYCH 1113 General Psychology as part of their general education requirements.

**Foundation Core (33 Credit Hours)**

ART 1123 Computers for Creatives  
 ART 1133 Drawing I  
 ART 1143 Theory & Social Practice  
 ART 1213 Two Dimensional Design  
 ART 1313 Three Dimensional Design  
 ART 2243 Art History Survey I  
 ART 2253 Art History Survey II  
 ART 2273 Survey of Mathematical Art  
 ART 3713 Printmaking I  
 ART 3923 Digital & Electronic Art I  
 ART 4213 History of Art Contemporary  
 SFA 1000 Cultural Attendance

**Studio Core (21 Credit Hours)**

ART 2313 Painting I  
 ART 3273 Aesthetics  
 ART 3403 Figure Drawing I  
 ART 3513 Sculpture I  
 ART 3713 Printmaking I  
 ART 3813 Ceramics  
 MCOM 1713 Introduction to Photo

**Advanced Design Core (3 Credit Hours)**

Select one course from the following:

ART 3313 Painting II  
ART 3413 Figure Drawing II  
ART 3613 Sculpture II  
ART 4713 Printmaking II  
ART 4813 Ceramics II

### **Methods Core (5 Credit Hours)**

ART 4412 Art for Elementary Teachers  
ART 4513 Art for Secondary Teachers

### **Professional Education (30 Credit Hours)**

The Professional Education courses are used as the minor. No further minor program is required for this major.

EDUC 2402 Survey of the Exceptional Child  
PSYCH 3463 Child & Adolescent Psychology  
EDUC 2012 Diversity in American Education  
EDUC 2631 Foundations of Education Technology  
EDUC 2211 Field Experience I  
EDUPSY 3513 Education Psychology  
EDUC 3001 Field Experience II  
EDUC 4052 Effective Teaching in Secondary Education  
EDUC 4611 Field Experience III  
EDUC 4632 Education Technology Integration Strategies  
EDUC 4262 Student Teaching Seminar I  
EDUC 4282 Student Teaching Seminar II  
EDUC 4964 Sup Student Teaching Grades PK-12  
EDUC 4964 Sup Student Teaching Grades PK-12

### **Special Requirements**

The OSRHE computer proficiency graduation requirement will be met through the completion of the courses EDUC 4611 Field Experience III and EDUC 4632 Education Technology (including equated or substituted courses), both of which are required courses in the professional education sequence.

[2024-2025 Art - Teacher Certification Check Sheet](#)

[2024-2025 Art - Teacher Certification 4-Year Plan](#)

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### **2024-2025 Mass Comm - Media Production - Bachelor of Science**

The 120 credit hours includes ECU's 40 hour General Education program.

### **Required Core Courses (33 Credit Hours)**

ART 1123 Computers for Creatives  
ART 2943 Principles of Graphic Design  
MCOM 1713 Introduction to Photography  
MCOM 1733 Introduction to Mass Media  
MCOM 1813 Introduction to Video Production  
MCOM 2733 Writing for Media I  
MCOM 3013 Media Practicum  
MCOM 3053 Social Media Management  
MCOM 3783 Writing for Media II  
MCOM 3853 Media Ethics & Law  
MCOM 4012 Career Preparation  
MCOM 4611 Senior Portfolio in Mass Comm  
SFA 1000 Cultural Attendance

### **Required for Media Production Concentration (12 Credit Hours)**

MCOM 2753 Introduction to Audio Production  
MCOM 3333 Intermediate Photography  
MCOM 3343 Imaging for Media  
MCOM 3873 Intermediate Video Production

### **Required Electives (12 Credit Hours)**

Select 12 credit hours from the following courses:

ART 2153 Typography I  
ART 3303 Motion Graphics  
ART 3943 Graphic Design I  
ENG 3143 Introduction to Film  
MCOM 2743 Photojournalism  
MCOM 3023 Audio Engineering I  
MCOM 3043 AR/VR Production  
MCOM 3063 Emerging Media  
MCOM 3823 Advertising  
MCOM 3843 Advertising Copy & Layout  
MCOM 3863 Radio & Podcast Production  
MCOM 3893 Public Relations  
MCOM 4023 Audio Engineering II  
MCOM 4123 Short Film Production  
MCOM 4223 Conceptual Art Photography  
MCOM 4233 Documentary Production  
MCOM 4313 Advanced Video Production

MCOM 4323 Ad/PR Campaigns  
 MCOM 4711-3 Professional Internship  
 MCOM 4733 Contemporary Issues in Mass Comm  
 MCOM 4813 Public Relations Writing  
 MCOM 4981-4 Seminar in Mass Comm  
 MCOM 4991-4 Independent Study in Mass Comm

### General Electives (23 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

Students declaring a Mass Communication major starting in the Fall 2015 semester or later must successfully complete one semester of SFA 1000 Cultural Attendance (zero hrs of credit, P/NP graded modality).  
A minor program is not required for this major.

[2024-2025 Mass Comm - Media Production Check Sheet](#)  
[2024-2025 Mass Comm - Media Production 4-Year Plan](#)

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### 2024-2025 Mass Comm - Advertising/Public Relations - Bachelor of Science

The 120 credit hours includes ECU's 40 hour General Education program.

### Required Core Courses (33 Credit Hours)

ART 1123 Computers for Creatives  
 ART 2943 Principles of Graphic Design  
 MCOM 1713 Introduction to Photography  
 MCOM 1733 Introduction to Mass Media  
 MCOM 1813 Introduction to Video Production  
 MCOM 2733 Writing for Media I  
 MCOM 3013 Media Practicum  
 MCOM 3053 Social Media Management  
 MCOM 3783 Writing for Media II  
 MCOM 3853 Media Ethics & Law  
 MCOM 4012 Career Preparation  
 MCOM 4611 Senior Portfolio in Mass Comm  
 SFA 1000 Cultural Attendance

### Required for Concentration (12 Credit Hours)

MCOM 3823 Advertising  
 MCOM 3843 Advertising Copy & Layout  
 MCOM 3893 Public Relations  
 MCOM 4323 Ad/PR Campaigns

### Required Electives (12 Credit Hours)

Select 12 credit hours from the following courses:

COMM 3133 Organizational Communication  
 COMM 3303 Persuasion  
 COMM 3943 Group Dynamics  
 COMM 4013 Crisis Communication  
 COMM 4423 Intercultural Communication  
 ENG 3183 Technical & Professional Writing  
 MKTG 3313 Principles of Marketing  
 MKTG 3813 Professional Selling  
 MCOM 2743 Photojournalism  
 MCOM 2753 Introduction to Audio Production  
 MCOM 3063 Emerging Media  
 MCOM 3333 Intermediate Photography  
 MCOM 3343 Imaging for Media  
 MCOM 3863 Radio & Podcast Production  
 MCOM 3873 Intermediate Video Production  
 MCOM 4123 Short Film Production  
 MCOM 4223 Conceptual Art Photography  
 MCOM 4233 Documentary Production  
 MCOM 4711-3 Professional Internship  
 MCOM 4733 Contemporary Issues in Mass Comm  
 MCOM 4813 Public Relations Writing  
 MCOM 4981-4 Seminar in Mass Comm  
 MCOM 4991-4 Independent Study in Mass Comm

### General Electives (23 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

### Special Requirements

Students declaring a Mass Communication major starting in the Fall 2015 semester or later must successfully complete one semester of SFA 1000 Cultural Attendance (zero hrs of credit, P/NP graded modality).  
A minor program is not required for this major.

[2024-2025 Mass Comm - Advertising/Public Relations Check Sheet](#)  
[2024-2025 Mass Comm - Advertising/Public Relations 4-Year Plan](#)

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### **2024-2025 Mass Comm - Strategic Communication - Bachelor of Science**

The 120 credit hours includes ECU's 40 hour General Education program.

#### **Required Core Courses (33 Credit Hours)**

ART 1123 Computers for Creatives  
ART 2943 Principles of Graphic Design  
MCOM 1713 Introduction to Photography  
MCOM 1733 Introduction to Mass Media  
MCOM 1813 Introduction to Video Production  
MCOM 2733 Writing for Media I  
MCOM 3013 Media Practicum  
MCOM 3053 Social Media Management  
MCOM 3783 Writing for Media II  
MCOM 3853 Media Ethics & Law  
MCOM 4012 Career Preparation  
MCOM 4611 Senior Portfolio in Mass Comm  
SFA 1000 Cultural Attendance

#### **Required for Concentration (12 Credit Hours)**

COMM 2153 Interpersonal Communication  
COMM 3133 Organizational Communication  
COMM 3243 Presentational Communication  
COMM 3613 Group Dynamics

#### **Required Electives (12 Credit Hours)**

Select 12 credit hours from the following courses:

COMM 3213 Persuasion  
COMM 4013 Crisis Communication  
COMM 4423 Intercultural Communication  
ENG 3183 Technical & Professional Writing  
MCOM 2743 Photojournalism  
MCOM 2753 Intro to Audio Production  
MCOM 3063 Emerging Media  
MCOM 3823 Advertising  
MCOM 3843 Advertising Copy & Layout  
MCOM 3863 Radio & Podcast Production  
MCOM 3873 Intermediate Video Production  
MCOM 3893 Public Relations  
MCOM 4223 Conceptual Art Photography  
MCOM 4233 Documentary Production  
MCOM 4313 Advanced Video Production  
MCOM 4323 Ad/PR Campaigns  
MCOM 4711-3 Professional Internship  
MCOM 4733 Contemporary Issues in Mass Comm  
MCOM 4813 Public Relations Writing  
MCOM 4981-4 Seminar in Mass Comm  
MCOM 4991-4 Independent Study in Mass Comm

#### **General Electives (23 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

Students declaring a Mass Communication major starting in the Fall 2015 semester or later must successfully complete one semester of SFA 1000 Cultural Attendance (zero hrs of credit, P/NP graded modality).  
A minor program is not required for this major.

[2024-2025 Mass Comm - Strategic Comm Check Sheet](#)  
[2024-2025 Mass Comm - Strategic Comm 4-Year Plan](#)

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### **2024-2025 Minor in Art Therapy - Theatre (21 Credit Hours)**

Psych & Human Services Counseling Majors  
Minor #1

#### **Required Courses**

COMM 1632 Movement for the Stage  
COMM 2153 Interpersonal Communication  
COMM 3613 Group Dynamics  
THEA 1413 Acting I  
THEA 2423 Acting II  
THEA 2441 Theatre Production

THEA 2453 Intro to Technical Theatre  
THEA 4453 Stage Makeup

### Special Requirements

Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

[2024-2025 Minor Check Sheet](#)

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### 2024-2025 Minor in Art Therapy - Music (21 Credit Hours)

Psych & Human Services Counseling Majors  
Minor #2

#### Required Courses

MUS 1113 Music Theory & Ear Training I  
MUS 2111 University Singers  
MUS 2433 World Music  
MUS 3633 History of Music Through Bach  
MUS 3634 History of Music Since Bach

#### Major Instrument /Voice Lessons

Complete six (6) credit hours (3 semesters)  
MUS 1000 performing arts recital (3 semesters)  
Piano - Class or Private, 2 credits, taken in two semesters.

### Special Requirements

Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

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### 2024-2025 Minor in Game Design (18 Credit Hours)

Minor #3

#### Required Courses

ART 1123 Computers for Creatives  
MCOM 2003 Principles of Game Design  
MCOM 3043 AR/VR Production

#### Electives

Select nine (9) hours from the following:  
ART 1213 Two-Dimensional Design  
ART 2943 Principles of Graphic Design  
ART 3303 Motion Graphics  
ART 3923 Digital & Electronic Art I  
ART 4923 Digital & Electronic Art II  
MCOM 3023 Audio Engineering I  
MCOM 4023 Audio Engineering II

### Special Requirements

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

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### 2024-2025 Minor in Media/Graphic Arts (18 Credit Hours)

Mass Communication Majors  
Minor #4

#### Required Courses

ART 1133 Drawing I  
ART 1213 Two Dimensional Design  
ART 3923 Digital & Electronic Art I  
ART 3943 Graphic Design I  
ART 4923 Digital & Electronic Art II  
MCOM 3333 Intermediate Photography

### Special Requirements

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor Check Sheet](#)

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### 2024-2025 Minor in Media/Graphic Design (18 Credit Hours)

Non-Mass Communication Majors

Minor #5

#### Required Courses

ART 1133 Drawing I

ART 1213 Two Dimensional Design

ART 3923 Digital & Electronic Art I

ART 3943 Graphic Design I

MCOM 1713 Introduction to Photography

MCOM 3343 Imaging for Media

#### Special Requirements

Students are strongly advised to use elective hours to complete course work in MCOM 3333 Intermediate Photography and ART 4923 Digital & Electronic Art II. Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

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### 2024-2025 Minor in Mass Communication (18 Credit Hours)

Minor #6

#### Required Course

MCOM 1733 Introduction to Mass Media

#### Electives

Select 15 hours from the following courses:

At least six (6) hours must be 3000-4000 level courses.

MCOM 1713 Introduction to Photography

MCOM 1813 Introduction to Video Production

MCOM 2733 Writing for Media I

MCOM 2743 Photojournalism

MCOM 2753 Intro to Audio Production

MCOM 3333 Intermediate Photography

MCOM 3343 Imaging for Media

MCOM 3783 Writing for Media II

MCOM 3823 Advertising

MCOM 3843 Advertising Copy & Layout

MCOM 3853 Media Ethics & Law

MCOM 3863 Radio & Podcast Production

MCOM 3873 Studio Video Production

MCOM 3893 Public Relations

MCOM 4123 Short Film Production

MCOM 4223 Conceptual Art Photography

MCOM 4233 Documentary Production

MCOM 4313 Advanced Video Production

MCOM 4323 Ad/PR Campaigns

MCOM 4733 Contemp Issues in Mass Communications

MCOM 4813 Public Relations Writing

MCOM 4863 Television Studio Production

MCOM 4981-4 Seminar in Mass Comm

MCOM 4991-4 Individual Study in Mass Comm

#### Special Requirements

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor Check Sheet](#)

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### 2024-2025 Certificate in Mass Comm - Accounts Management (33 Credit Hours)

Certificate #1

#### Required in Mass Comm Core (9 Credit Hours)

MCOM 1733 Introduction to Mass Media

MCOM 2733 Writing for Media I

MCOM 3853 Media Ethics & Law

#### Required in Advertising/Public Relations Core (9 Credit Hours)

MCOM 3823 Advertising

MCOM 3843 Advertising Copy & Layout

MCOM 3893 Public Relations

#### Management Core (9 Credit Hours)

MGMT 3013 Principles of Management

MGMT 3043 Human Resources Management

MGMT 4623 Leadership

**Required Electives (6 Credit Hours)**

MCOM 3343 Imaging for Media  
MCOM 4813 Public Relations Writing

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**2024-2025 Certificate in Mass Comm - Social Media Marketing (27 Credit Hours)**

Certificate #2

**Required in Mass Communication Core (9 Credit Hours)**

ART 1123 Computers for Creatives  
MCOM 3053 Social Media Management  
MCOM 4733 Contemporary Issues in Mass Communication

**Required in Advertising/Public Relations Core (9 Credit Hours)**

MCOM 3823 Advertising  
MCOM 3843 Advertising Copy & Layout  
MCOM 3893 Public Relations

**Required Elective Courses (9 Credit Hours)**

MCOM 1713 Introduction to Photography  
MCOM 3343 Imaging for Media  
MCOM 4813 Public Relations Writing

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**Department of Performing Arts****Majors Offered**

[Music \(Instrumental - Teacher Certification\) - Bachelor of Science](#)  
[Music \(Instrumental\) - Bachelor of Science](#)  
[Music \(Vocal - Teacher Certification\) - Bachelor of Science](#)  
[Music \(Vocal\) - Bachelor of Science](#)

**Minors Offered**

[Music](#)

**Course Prefixes**

[2024-2025 Music \(MUS\) Courses](#)  
[2024-2025 SFA Courses](#)

**Departmental Information**

The Department of Performing Arts provides a general music and theatre education foundation for all students along with individual professional preparation for selected major fields within music and theatre. The department also enriches the cultural life of the campus and community. Students are encouraged to participate in band, choral and instrumental ensembles and theatre productions regardless of their major.

**Music Program**

The Department of Music offers the following degree programs: the Bachelor of Science degree with music majors in the Instrumental Concentration, the Instrumental Teacher Certification Concentration, the Vocal Concentration, and the Vocal Teacher Certification Concentration. Each area has options designed as preparation for careers in concert, theater, media performance, or as teacher-preparation leading to kindergarten through high school certification. Students who wish to prepare for a career in music business may complete the minor in Business Administration for Music Majors. Other minors and special endorsements in music are also available.

The curriculum has been designed to assist all participating students in reaching their maximum potential. Toward this end, the primary objectives of the undergraduate programs are (1) to further the performance ability in at least one musical medium, (2) to provide future teachers with the knowledge and skills necessary for them to be successful as professional music educators, (3) to allow some "semi-specialization" through courses directed toward instrumental and/or vocal education, and (4) to provide students with a wide range of educational/musical experiences which will encourage continued professional growth.

**Applied Music****Individual & Class Instruction Voice, Piano, Harpsichord, Organ, Wind, String and Percussion Instruments**

Private and class lessons: one semester hour credit for one half-hour private lesson, or two or more half-hour class lessons, with five hours of practice expected per week, for a semester or equivalent time in a shorter term. Extra fees are charged for instruction and for practice rooms (see fee schedule). The course numbers are progressive by semester in each of the Applied Music areas, and include one or two credit hours.

Private instruction course numbers for music majors and minors are as follows: 2201 - minor instrument (lower level), 2222 - major instrument (lower level), 3301 minor instrument (upper level), 3332 - major instrument (upper level). Numbers above 4082 indicate study completed beyond eight terms. The course description for all private instruction is "The study of solo vocal and instrumental literature of different historical periods and styles, and of diction in English, French, German, and Italian."

**Other Important Information for Music Majors**

- Participation in a music ensemble designed by the department as appropriate for the student's degree program is required each fall and spring semester at ECU, except for the student teaching semester of music education majors.

- Music majors must successfully complete eight semesters of MUS 1000 Performing Arts Recital (zero hours of credit, graded P/NP) for the Bachelors of Science-*non-teacher certification*, and seven semesters for the Bachelors of Science-*teachers certification*. Additional information, including modification of the requirement for transfers who were music majors at their previous institution, is given in the Music Department Handbook.
- Proficiency tests in Piano, in Theory and in Applied Music must be taken at the end of the sophomore year or its equivalent; transfer students must take these proficiency tests during their first week of classes at ECU. Re-examination will be permitted, but the tests must be passed before the senior recital. In Applied Music, a Proficiency Jury must be passed in order to enroll in 3000-level courses.
- ECU requires all music majors to complete a senior recital. The recital sequence requires performing and passing a preview recital at least 30 days prior to the senior recital. The requirement cannot be fulfilled through transfer credit. The student's passing grade will indicate successful completion of the recital in the final semester.
- Students declaring a Music major starting in the fall of 2015 or later, must successfully complete two semesters of SPA 1000 Cultural Attendance (zero hours of credit, graded P/NP).

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### **2024-2025 Music (Instrumental) Teacher Cert. - Bachelor of Science (121 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program. The major has two required general education courses, which can be found below under Related Work.

#### **Required Music Core (12 Credit Hours)**

MUS 1000 Performing Arts Recital (enroll each semester)

MUS 1113 Music Theory & Ear Training I

MUS 1133 Music Theory & Ear Training II

MUS 1233 Music Theory & Ear Training III

MUS 3113 Music Theory & Ear Training IV

SFA 1000 Cultural Attendance (must pass two times)

#### **Required Core Courses (51 Credit Hours)**

MUS 1511 Class Instruction in Brass Instruments

MUS 1611 Class Instruction in Woodwind Instruments

MUS 1711 Class Instruction in String Instruments

MUS 1811 Class Instruction in Percussion Instruments

MUS 2111 University Singers (enroll two semesters)

MUS 2211 Band (enroll for 7 semesters)

MUS 2422 Intro to Music Education

MUS 3211 Principles of Conducting

MUS 3221 Band Literature

MUS 3232 Marching Band Techniques

MUS 3633 History of Music Through Bach

MUS 3643 History of Music Since Bach

MUS 3831 Instrumental Conducting

MUS 3831 Instrumental Conducting

MUS 4113 Musical Form & Analysis

MUS 4412 Music in the Elementary School

MUS 4432 Instrumental Music in the School

MUS 4512 Admin of the Instrumental Music Prog

Major Instrument (eight hours)

Minor Instrument (three hours)

Piano (four hours)

#### **Related Work (6 Credit Hours)**

Required General Education Courses

COMM 1113 Fundamentals of Human Communication

PSYCH 1113 General Psychology

#### **Minor**

The professional education courses below are used for the minor. No additional minor is required for this major.

#### **Professional Education (30 Credit Hours)**

EDUC 2402 Survey of the Exceptional Child

PSYCH 3463 Child & Adolescent Psychology

EDUC 2012 Diversity in American Education

EDUC 2631 Foundations of Education Technology

EDUC 2211 Field Experience I

EDUPSY 3513 Education Psychology

EDUC 3001 Field Experience II

EDUC 4052 Effective Teaching in Secondary Education

EDUC 4611 Field Experience III

EDUC 4632 Education Technology Integration Strategies

EDUC 4262 Student Teaching Seminar I

EDUC 4282 Student Teaching Seminar II

EDUC 4964 Sup Student Teaching Grades PK-12

EDUC 4964 Sup Student Teaching Grades PK-12

#### **Special Requirements**

"Teachers" or "methods" courses may not count toward this major.

[2024-2025 Music \(Instrumental\) Teacher Certification Check Sheet](#)

[2024-2025 Music \(Instrumental\) Teacher Certification 4-Year Plan](#)

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### **2024-2025 Music (Instrumental) - Bachelor of Science (120 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program.

#### **Required Music Core (12 Credit Hours)**

MUS 1000 Performing Arts Recital (enroll each semester)  
 MUS 1113 Music Theory & Ear Training I  
 MUS 1133 Music Theory & Ear Training II  
 MUS 1233 Music Theory & Ear Training III  
 MUS 3113 Music Theory & Ear Training IV  
 SFA 1000 Cultural Attendance (must pass two times)

#### **Required for Instrumental Concentration (49 Credit Hours)**

MUS 1511 Class Instruction in Brass Instruments  
 MUS 1611 Class Instruction in Woodwind Instruments  
 MUS 1711 Class Instruction in String Instruments  
 MUS 1811 Class Instruction in Percussion Instruments  
 MUS 2211 Band (enroll for 8 semesters)  
 MUS 2422 Intro to Music Education  
 MUS 3211 Principles of Conducting  
 MUS 3221 Band Literature  
 MUS 3633 History of Music Through Bach  
 MUS 3643 History of Music Since Bach  
 MUS 3831 Instrumental Conducting  
 MUS 4113 Musical Form & Analysis  
 Major Instrument (sixteen hours)  
 Minor Instrument (three hours)  
 Piano (four hours)

#### **Minor**

A minor program of study is not required for this major. Students who wish to prepare for a career in Music Business may complete the minor in Business Admin for Music Majors.

#### **General Electives (19-25 Credit Hours)**

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

#### **Special Requirements**

"Teachers" or "methods" courses may not count for this major.

[2024-2025 Music \(Instrumental\) Check Sheet](#)

[2024-2025 Music \(Instrumental\) 4-Year Plan](#)

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### **2024-2025 Music (Vocal) - Teacher Cert. - Bachelor of Science (124 Credit Hours)**

The 120 credit hours includes ECU's 40 hour General Education program. This major includes two required general education courses, which are listed under the Related Work section.

#### **Required Music Core (12 Credit Hours)**

MUS 1000 Performing Arts Recital (enroll each semester)  
 MUS 1113 Music Theory & Ear Training I  
 MUS 1133 Music Theory & Ear Training II  
 MUS 1233 Music Theory & Ear Training III  
 MUS 3113 Music Theory & Ear Training IV  
 SFA 1000 Cultural Attendance (must pass two times)

#### **Required Core Courses (48 Credit Hours)**

MUS 1121 Vocal Diction I  
 MUS 1521 Class Instruction in String Instruments  
 MUS 1711 Class Instruction in Wind Instruments  
 MUS 1811 Class Instruction in Percussion Instruments  
 MUS 2111 University Singers (enroll for 7 semesters); OR  
 MUS D2131 Vocal Ensemble - Univ. Chorale  
 MUS 2422 Intro to Music Education  
 MUS 3211 Principles of Conducting  
 MUS 3241 Vocal Diction II  
 MUS 3321 Choral Literature  
 MUS 3621 Vocal Pedagogy  
 MUS 3633 History of Music Through Bach  
 MUS 3643 History of Music Since Bach  
 MUS 3871 Choral Conducting  
 MUS 4113 Musical Form & Analysis  
 MUS 4412 Music in the Elementary School  
 MUS 4532 Vocal Music in the Secondary School  
 Major Instrument - Voice (eleven hours)  
 Minor Instrument - Piano (six hours)

#### **Related Work (6 Credit Hours)**

Required General Education Courses  
COMM 1113 Fundamentals of Human Communication  
PSYCH 1113 General Psychology

### Minor

The professional education courses below are used for the minor. No additional minor is required for this major.

### Professional Education (30 Credit Hours)

EDUC 2402 Survey of the Exceptional Child  
PSYCH 3463 Child & Adolescent Psychology  
EDUC 2012 Diversity in American Education  
EDUC 2631 Foundations of Education Technology  
EDUC 2211 Field Experience I  
EDUPSY 3513 Education Psychology  
EDUC 3001 Field Experience II  
EDUC 4052 Effective Teaching in Secondary Education  
EDUC 4611 Field Experience III  
EDUC 4632 Education Technology Integration Strategies  
EDUC 4262 Student Teaching Seminar I  
EDUC 4282 Student Teaching Seminar II  
EDUC 4964 Sup Student Teaching Grades PK-12  
EDUC 4964 Sup Student Teaching Grades PK-12

### Special Requirements

"Teachers" or "methods" courses may not count toward this major.

[2024-2025 Music \(Vocal\) - Teachers Certification Check Sheet](#)

[2024-2025 Music \(Vocal\) - Teachers Certification 4-Year Plan](#)

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### 2024-2025 Music (Vocal) - Bachelor of Science (120 Credit Hours)

The 120 credit hours includes ECU's 40 hour General Education program. This major does require certain general education courses to be completed - see the Related Work section below.

### Required Core Courses (12 Credit Hours)

MUS 1000 Performing Arts Recital (enroll each semester)  
MUS 1113 Music Theory & Ear Training I  
MUS 1133 Music Theory & Ear Training II  
MUS 1233 Music Theory & Ear Training III  
MUS 3113 Music Theory & Ear Training IV  
SFA 1000 Cultural Attendance (must pass two times)

### Required for Vocal Concentration (46 Credit Hours)

MUS 1121 Vocal Diction I  
MUS 1711 Class Instruction in String Instruments  
MUS 2111 University Singers (enroll for 8 semesters); OR  
MUS D2131 Vocal Ensemble - Univ Chorale  
MUS 2422 Intro to Music Education  
MUS 3211 Principles of Conducting  
MUS 3241 Vocal Diction II  
MUS 3321 Choral Literature  
MUS 3621 Vocal Pedagogy  
MUS 3633 History of Music Through Bach  
MUS 3643 History of Music Since Bach  
MUS 3871 Choral Conducting  
MUS 4113 Musical Form & Analysis  
Major Instrument - Voice (sixteen hours)  
Minor Instrument - Piano (four hours)

### Related Work (6 Credit Hours)

Required General Education - select one from the following:

FREN 1113 Elementary French I  
RUSS 1113 Elementary Russian I  
SPAN 1113 Elementary Spanish I

Require Electives

Select one of the following courses:

FREN 1223 Elementary French II  
RUSS 1223 Elementary Russian II  
SPAN 1223 Elementary Spanish II

### Minor

A minor program is not required for this major. Students who wish to prepare for a career in Music Business may complete the minor in Business Administration for music majors.

### General Electives (16-28 Credit Hours)

An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

**Special Requirements**

"Teachers" or "methods" courses may not count toward this major.

[2024-2025 Music \(Vocal\) Check Sheet](#)

[2024-2025 Music \(Vocal\) 4-Year Plan](#)

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**2024-2025 Minor in Music (20 Credit Hours)****Required Courses**

MUS 1000 Performing Arts Recital (4 semesters)

MUS 1113 Music Theory & Ear Training I

Major Applied Area - 4 hours (taken in 4 semesters)

**Ensembles**

Four (4) hours - select from the following:

MUS 2111

MUS 2211

MUS 2311

MUS D2131

MUS 02131

**Electives**

Select three courses from the following:

MUS 3503 History of Musical Theatre

MUS 1133 Music Theory & Ear Training II

MUS 2533 Music in Life

MUS 3633 History of Music Through Bach

MUS 3643 History of Music Since Bach

**Special Requirements**

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

[2024-2025 Minor in Music Check Sheet](#)

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## SCHOOL OF GRADUATE STUDIES

### School of Graduate Studies

Jason Prather, Dean

[Programs - Summary list](#)  
[Admissions Requirements](#)  
[Retention Information](#)  
[Time & Progress to Degree Completion](#)  
[Earning a Second Masters Degree](#)

#### Introduction to the School of Graduate Studies

Graduate education offers students the opportunity to build upon prior educational achievements to increase knowledge and related skills for career or personal goals. As such, graduate courses assume students possess the commitments and academic skills necessary to approach increased levels of content mastery and application. Correspondingly, faculty will create courses with grading, testing, research and related standards clearly exceeding those reflected in undergraduate education. [Return to Table of Contents](#)

#### Programs

Harland C. Stonecipher School of Business		Program Number	Format	Credit Hours/Admit GPA
Master of Business Administration (MBA)		0650	Mixed	30 / 3.00
Master in Management (MIM)		1020	Mixed	30 / 3.00
Masters of Science in Accounting (MSA)		0970	On-Campus	30 / 3.00
College of Education & Psychology				
Doctorate of Education (EdD) in Rural Education		0630	Online	60/3.00
Education Specialist (EdS)		0620	Mixed	63 / 3.00
Master of Education (MEd)				
	Options			
	Education Leadership	0980	Online	32 / 2.50
	Library Media	0900	Online	32 / 2.50
	School Counseling	0843	Mixed	33 / 2.50
	School Psychometry	1060	Mixed	32 / 2.50
	Special Education	0850	Online	32 / 2.50
	Sports Administration	1050	Online	30 / 2.50
	Post Master Certifications			
	Alternative Principal	087A	Online	16 / 2.50
	School Superintendent	0875	Online	16 / 2.50
Master of Science in Psychological Services (MSPS)				
	Options			
	Counseling Psychology	0860	Mixed	60 / 3.00
	School Psychology	0861	Mixed	60 / 3.00
	Sport Psychology	0862	Mixed	60 / 3.00
	Certificates			
	School Psychologist	1000	Mixed	60 / 3.00

	School Psychometrist	1010	Mixed	30 / 3.00
<b>College of Liberal Arts &amp; Social Sciences</b>				
	Master of Art in Criminal Justice Administration (MA)	1070	Mixed	30 / 3.00
	Master of Sci. Clinical Mental Hlth. Counseling (MS)	0894	Online	60 / 3.00
	Master of Sci. in Water Rsc. Policy & Mgmt (MSWPM)	1030	Online	30 / 3.00
<b>College of Health &amp; Sciences</b>				
	Master of Science in Biological Sciences (MS)			
	Options			
	Health Sciences	0641	On-Campus	30/3.00
	Water Sciences	0642	On-Campus	30/3.00

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## Admissions Requirements

### Admission to University

Persons desiring admission to the School of Graduate Studies must first be admitted to the University.

1. Complete an ECU Application for Admission/Readmission;
2. Submit one (1) official transcript from each undergraduate and graduate institution attended, other than East Central University;

### Admission to the School of Graduate Studies

The School of Graduate Studies processes applications for admission to Graduate Studies. Students may be granted unconditional, conditional, provisional, or concurrent admission status. A student seeking admission to a Graduate Degree Program must complete the following steps:

1. Submit all other credentials required for admission to a specific Graduate Degree Program;
2. Develop a program of study in consultation with an assigned advisor.

### Standards for Admission

1.) Hold a baccalaureate degree from an accredited college or university.

2.) Meet the academic admission requirements for the Graduate Degree Program sought:

- a. Program GPA
  - All MEd programs require a minimum undergraduate cumulative GPA of 2.5.
  - All other programs require a minimum undergraduate cumulative GPA of 3.0.
- b. Resume/Curriculum Vita
  - Must include contact information for three (3) references that can speak to your academic preparedness for graduate level work.
- c. Writing Sample

Admission to one graduate degree program/option does not imply admission to any other graduate degree program/option, nor does it imply admission to any undergraduate degree option.

### Unconditional Admission

Unconditional admission to the School of Graduate Studies indicates that the applicant has submitted all relevant documents and met all requirements for admission to the University, the School of Graduate Studies, and the specific Graduate Degree Program.

### Conditional Admission

Conditional admission to the School of Graduate Studies may be granted to an applicant who has met all academic requirements for unconditional admission, but has not submitted all documentation required by the Graduate Degree Program. Students with conditional admission may register for courses for one semester. Students must submit all program documentation and be admitted to the graduate degree program to enroll in subsequent semesters. No more than one semester of credit may be applied to a Graduate Degree Program; time limits apply to these credits.

### Provisional Admission

Provisional admission to the School of Graduate Studies may be granted to an applicant who does not meet all the requirements for unconditional admission to a Graduate Degree Program. Students must submit all required program documents and be approved by the Graduate Degree Program to be admitted. When a student admitted on a provisional basis successfully completes all program provisions, the student will be moved to unconditional admission status. Students failing to meet one or more program provisions will be suspended.

### Concurrent Graduate Study (i.e., undergraduates enrolling in graduate courses)

A senior student who lacks less than a full normal study load and who has completed a minimum of 100 credit hours may be permitted to enroll in courses applicable to a graduate degree program, subject to the following study load provisions:

#### Fall and Spring Semesters:

1. A maximum of nine (9) undergraduate and six (6) graduate credit hours; or
2. A maximum of twelve (12) undergraduate and three (3) graduate credit hours.

#### Summer Semester:

1. A maximum of three (3) undergraduate and three (3) graduate credit hours; or



### 2. A maximum of six (6) graduate credit hours.

No more than six (6) hours in a semester may be applied to a Graduate Degree Program. Graduate credit hours earned may be applied toward either the baccalaureate or graduate degree, but not towards both. Enrollment in graduate courses does not imply admission to the School of Graduate Studies or a graduate degree program. No more than twelve (12) semester hours earned under this policy may be applied to a graduate degree program. Graduate enrollment will be changed to non-graduate if baccalaureate graduation requirements are not met. Students seeking financial aid should meet with their Financial Aid Counselor before enrolling in both graduate and undergraduate courses. The following rules will also apply:

1. After a student requests that a graduate course be moved from the undergraduate to the graduate transcript, the course may never be moved back to the undergraduate transcript.
2. Courses will never be moved to from the undergraduate transcript to the graduate transcript after an undergraduate degree has been awarded. If a graduation application for an undergraduate degree was submitted prior to the request to move a graduate course to the graduate transcript, then special approval will be required from the University Registrar before the course is moved.
3. A course may not count toward a graduate degree unless it is transcribed to the graduate transcript.
4. Any an all enrollment in graduate level coursework by undergraduate students must be approved by the Dean of the Graduate School.
5. Graduate level courses will never be moved to the undergraduate transcript under any circumstances.

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## Retention Information

### Overall GPA

Graduate students must maintain an overall ECU graduate retention grade point average (GPA) of 3.0 or higher to remain academically in good standing with the School of Graduate Studies. For more information concerning academic standing within the School of Graduate Studies, please see the full academic policy section of this catalog.

### Course Grades

Graduate students can earn no more than two (2) C's in their graduate degree program to remain academically in good standing with the School of Graduate Studies. Graduate students earning a grade of D or F in a course may not count that course toward their graduate degree program requirements. Some programs have more stringent grade requirements.

### Seminar and Pass/Fail Credit Limits

Credit earned in seminars must be germane to the student's Graduate Degree Program and approved by the program director in order to count toward a graduate degree. No more than three (3) hours of course work graded as pass/fail may count toward a graduate degree. Specific programs may have exceptions for practicums and internships.

### Certification Courses

Graduate certificates may satisfy some requirements for Licensed Professional Counselor and others. For further information, contact the Dean or Graduate Program Coordinator of the College of Education and Psychology or the Graduate Program Coordinator of the Professional Programs in Human Services Department.

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## Time & Progress to Degree Completion

### Time Limit for Completion of Degree

Graduate credit applied towards a graduate degree must be completed within six (6) years prior to the completion of the degree, exclusive of any time spent in the Armed Forces of the United States of America. Work completed more than six (6) years prior to completion of the degree may not be counted toward the degree but may count toward professional certification.

### Progress Toward Degree

Students who have not successfully completed coursework after one year must reapply to the University and the School of Graduate Studies. Students who have not successfully completed course work for two years must reapply to the graduate degree program.

### Application for Degree

A student must apply for award of a degree according to the deadline specified by the university for the semester in which the degree will be awarded. (Failure to graduate necessitates reapplication.) Application for graduation may be found on Colleague Self-Service. For more information about the graduation application process, please see the relevant policy in the full academic policy section of this catalog.

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## Earning a Second Master's Degree

### First Degree From Another Institution

Students with a graduate degree from an accredited institution may complete a subsequent graduate degree at East Central University by completing all requirements for that degree. The subsequent graduate degree must include a minimum of twenty-one (21) graduate credit hours not applied toward any other graduate degree. All credit hours accepted from the first graduate degree must be reviewed and approved by the graduate program faculty and the Dean of Graduate Studies. Only courses with a minimum grade of B will be accepted from the first graduate degree. Students may petition for an exception to this policy in certain situations (such as completion of licensure requirements). All exceptions must be reviewed and approved by the graduate program faculty and the Dean of Graduate Studies.

### First Degree From East Central University (ECU)

The second graduate degree must include a minimum of twenty-one (21) credit hours not applied toward the first graduate degree. In the following two scenarios, the programs have been designed so that credits earned while completing the first program can be applied toward the second, while allowing students to remain in compliance with the 21 credit hour rule.

Scenario\_1: School Psychometry (MEd) *followed by* Master of Science in Psychological Services (MSPS) or Education Specialist (EdS)

Scenario\_2: Education Leadership (MEd) *followed by* a Doctor of Education (EdD)

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## Master of Business Administration (MBA)

**Program Purpose & Objectives**

The Master of Business Administration program is designed to provide working professionals with the knowledge and abilities necessary to further their careers in executive, managerial and administrative roles in business, health care, state and local government entities, tribal governments, and nonprofit organizations.

**The MBA is new for Fall 2024 and the program is enrolling new students. As some courses to be completed during the final stages of the MBA are still under construction, a complete list of course requirements is not available at this time. The information is expected to become available soon.**

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**Master in Management (MIM; 30 Credit Hours)****Program Purpose & Objectives**

The Master in Management (MiM) degree targets students whose first degree is outside a business field or who have a degree in a business field, but would like to enhance their knowledge of business. The program is designed primarily for individuals in one of the following three groups:

1. Students who have just completed a non-business undergraduate degree whose first job prospects would be enhanced with the completion of a graduate degree in management.
2. Full-time employees with a non-business undergraduate degree who are entering or hope to soon enter a management position.
3. Full-time employees who have a business degree but find themselves underemployed or who have not been employed in a management position.

**Required Courses (24 Credit Hours)**

ACCT 5113 Accounting for Managers  
 BUSLW 5203 Advanced Employment & Labor Law  
 ECON 5103 Economics for Managers  
 FIN 5103 Finance for Managers  
 MGMT 5203 Foundation of Management  
 MGMT 5503 Leadership & Organizational Behavior  
 MGMT 5703 Strategic Management  
 MKTG 5103 Marketing Management

**Elective Courses (6 Credit Hours)**

Select two of the following courses:

MGMT 5043 Special Topics in Management  
 MGMT 5103 Introduction to Graduate Business Studies  
 MGMT 5603 Managing in Global Economy  
 MGMT 5953 Internship in Management

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**Master of Science in Accounting (MSA; 30 Credit Hours)****Program Purpose & Objectives**

The Master of Science in Accounting is designed to prepare students to move into authority positions in manufacturing companies, governmental units, not-for-profit entities, public accounting firms, and other professional or service organizations. The unique combination of human skills, knowledge, and technology embedded in the curriculum will prepare graduates for these opportunities. Specifically, students should leave the program knowing how to anticipate and meet the changing needs of their customers; utilize and leverage technology in ways that add value to these customers; interpret and provide a broader context to financial and non-financial information; link data, knowledge, and insight together to provide quality advice for strategic decision-making; and, give and exchange information within a meaningful context and with the appropriate delivery and interpersonal skills.

The Program curriculum has been specifically designed to provide an educational experience which will prepare students to successfully complete all portions of the Certified Public Accountant (CPA) exam, while earning an advanced degree. The Program will also qualify graduates to sit for the Certified Management Accountant (CMA) or Certified Internal Auditor (CIA) exams. The MSA Program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

**Ethics & Professional Standards**

The student admitted to the Master of Science in Accounting program needs to familiarize himself or herself with and act in accordance with the ethical standards required by the American Institute of Certified Public Accountants (AICPA) Code of Professional Conduct. Any behavior on the part of the student which may conflict with the standards in the above document will be reviewed by a committee from the Harland C. Stonecipher School of Business faculty consisting of the advisor, an accounting faculty member chosen by the chair, and a Harland C. Stonecipher School of Business faculty member chosen by the student. The committee will have the authority to take any of the following actions: exonerate the student, notify the student and plan appropriate ameliorative action, notify appropriate boards and law enforcement agencies, or dismiss the student from the program.

**Background Courses (Undergraduate Prerequisites)**

The purpose of background courses is to provide a strong base of knowledge for advanced business and accounting studies. Background courses may be waived for students who have successfully completed and achieved a grade of "C" or higher on previous course work addressing a specified content area. Background courses cannot be used to fulfill the 30 hours of MSA graduate courses. Applicants who must satisfy background course requirements may be admitted as non-degree seeking students to take undergraduate courses. The background course requirement is composed of the following courses:

ACCT 3203 Cost Accounting I  
 ACCT 3303 Intermediate Accounting I  
 ACCT 3383 Federal Income Tax Accounting  
 ACCT 3403 Intermediate Accounting II  
 ACCT 4503 Auditing  
 BSEC 2603 Business & Economics Statistics  
 BUSLW 3213 The Legal Environment of Business  
 ECON 3113 Financial Management  
 MIS 3433 Management Information Systems

**Graduate Curriculum for MSA**

In addition to satisfying the background course requirements, all MSA students must complete 30 hours of graduate courses. Some latitude is allowed in selecting courses. However, students must satisfy all prerequisites of a graduate course before enrolling. The Internship in Accounting can be taken for 3 hours credit only after successful completion of at least 12 semester hours of graduate courses.

### **Required Courses (18 Credit Hours)**

ACCT 5073 Advanced Auditing  
ACCT 5103 Financial Statement Analysis  
ACCT 5123 Tax Compliance & Planning  
ACCT 5203 Advanced TAX  
ACCT 5403 CPA Prep  
BUSLW 5133 Contemporary Legal Issues

### **Accounting Elective Courses (3 Credit Hours)**

Select one of the following courses:  
ACCT 5023 Development of Accounting Theory  
ACCT 5043 Special Topics in Accounting  
ACCT 5303 Forensic Accounting & Fraud Examination  
ACCT 5953 Internship in Accounting

### **Non-Accounting Elective Courses (9 Credit Hours)**

BSEC 5203 Quantitative Methods for Accounting  
BUS 5123 Organizational Leadership  
BUSLW 5203 Advanced Employment & Labor  
ECON 5143 Applied Economics  
MKTG 5173 Marketing Analysis

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### **Doctorate of Education in Rural Education (EdD; 60 Credit Hours)**

Students applying to the program are required to have earned a master's degree with a minimum GPA of 3.00. Across the United States, at least 30,000 rural schools employ approximately 916,000 personnel. Oklahoma has 205,945 students in rural schools, comprising 264 school districts. The Ed.D. in Rural Education is specifically designed to address rural education's unique circumstances and challenges. Specific coursework will help educational leaders navigate curriculum development, strategic planning, supervision, organizational change, and advocacy for rural schools. According to the U.S. Census Bureau (2020), 52% of the schools in Oklahoma are defined as rural.

In addition to general educational requirements in a doctoral program, this program focus on the needs that are unique to leaders in Oklahoma rural schools. Rural education leaders need to know how to address the unique issues in rural communities, such as "varying access to healthcare, food security, Internet connectivity, access to advanced coursework, and high-quality educational resources" (OSDE, 2020, para. 2). This program includes an applied dissertation. The distinctive opportunities provided by an applied dissertation included working on issues, challenges, or problems in a local rural community to research possible solutions that can be put into place immediately. The applied focus of this program allows the students to research that has an immediate impact on day-to-day operations and activities in the rural community.

Courses will be offered fully online in eight-week terms so working adults can integrate graduate study into their lives, with five opportunities to start each year. Professional instructional designers support faculty to prioritize student learning and ensure that courses meet high quality standards. Degree for the working adult/professional. 8 weeks online courses. Concepts learned in courses today can be implemented in rural communities tomorrow.

### **Research, Measurement & Statistics (3 Credit Hours)**

EDUC 5113 Techniques of Research  
*\*Must be taken within the first eight (8) hours of the program*  
*\*Must earn and "A" or "B" in this course*

### **Administration Track (21 Credit Hours)**

EDUC 5173 Fundamentals of Curriculum; OR  
EDUC 5363 Principles of Instructional Design  
EDUC 5533 Fundamentals of Public School Administration  
EDUC 5513 Supervision of Instruction  
EDUC 5723 Advanced Legal Aspects of Education  
EDUC 5773 Politics & Governance of American Education  
EDUC 5523 School Plant Management  
EDUC 5943 Educational Technology Leadership

### **Core Courses (27 Credit Hours)**

EDUC 6003 Contemporary Issues and Advocacy in Rural Education  
EDUC 6013 History and Foundations of Rural Education  
EDUC 6023 Leading Special Programs in Rural Education  
EDUC 6033 Organizational Changes/Strategic Planning in Rural Education  
EDUC 6043 Advanced Public School Finance in Rural Education  
EDUC 6053 Applied Dissertation/Capstone Seminar Orientation  
EDUC 6063 Quantitative/Qualitative Research  
One additional elective course taken at the graduate level worth three (3) credit hours.

### **Applied Dissertation (12 Credit Hours)**

EDIS 7003 Applied Dissertation/Capstone 1 - Prospectus  
EDUS 7013 Applied Dissertation/Capstone II - Research  
EDUS 7023 Applied Dissertation/Capstone III - Dissertation  
Note: EDUS 7023 will be completed twice for a total of six (6) credit hours.

### **Other Program Notes**

The administrative track portion of the program does not lead to certification like the MEd in Educational Leadership. Educators interested in leadership programs may also wish to consider ECU's Superintendent program.

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### **Education Specialist (Eds; 63 Credit Hours)**

The Ed.S program in School Psychology in ECU will allow students to receive extensive training which will be eligible for the qualification of a Nationally Certified School Psychologist (NCSP). This 63-Hour program will allow students to be extremely marketable for employment in the schools as a school psychologist anywhere in the United States as well as allowing for potential pay increases based on national certification status. The focus of the program will be equipping professionals by training them in the areas of assessment, consultation, special education law and academic/behavioral intervention.

### **Psychological & Counseling Foundations (27 Credit Hours)**

EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychology  
 EDPSY 5353 Standardized Group Tests  
 EDPSY 5433 Affective Theories of Counseling & Psychotherapy  
 H/P/E 5443 Advanced Group Counseling  
 PSYCH 5063 Advanced Physiological Psychology  
 PSYCH 5143 Stat & Design in Applied Psychology  
 PSYCH 5173 Pro Orientation & Ethics in Clinical Psychology  
 PSYCH 5363 Adolescent Psychopathology & Treatment  
 PSYCH 5443 Multicultural Consultation & Intervention

### **School Psychology Specialization (24 Credit Hours)**

EDPSY 5143 Introduction to School Psychological Services  
 EDPSY 5153 Family School Collaboration & Consultation  
 EDPSY 5403 Non-Traditional Assessment  
 PSYCH 5313 Advanced Educational Psychology  
 PSYCH 5333 Behavioral Intervention w/Children  
 PSYCH 5403 Intellectual Assessment  
 PSYCH 5433 Diagnostic Assessment  
 PSYCH 5473 Advanced Psychology of Childhood & Adolescence

### **Field Experience (12 Credit Hours)**

EDPSY 5493 Practicum in School Psychology  
 EDPSY 5593 Internship in School Psychology I  
 EDPSY 5613 Internship in School Psychology II  
 EDPSY 5693 Practicum in School Psychometry

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## **Master of Education (MEd)**

### **Program Purpose & Objectives**

The Master of Education degree at East Central University offers educators and other professionals in depth study in several specialization areas. Candidates can choose a new program that prepares them for a job in an education related field such as Educational Leadership, Instruction Design and Technology, Special Education, or Sports Administration. Candidates can choose a Post Masters Certification in School Superintendent. Each program offers courses based on best practices in the field and is designed to provide a research foundation from which candidates make informed decisions. Candidates graduate from these programs as professional, reflective, innovative leaders.

The Master of Education degree programs that lead to new certification areas are accredited by the State of Oklahoma and by the Specialty Program Associations affiliated with The Council for the Accreditation of Education Preparation (CAEP). Each specialty program is designed to teach specific program standards which are addressed throughout the program of study. In addition to the specific program standards, all advanced degrees leading to certification are aligned with the following CAEP standards:

1. ECU will ensure that candidates develop a deep understanding of the critical concepts and principles of their discipline and, by completion, are able to use discipline-specific practices flexible to advance the learning of all students toward attainment of college and career-readiness standards.
2. ECU will ensure that effective partnerships and high-quality clinical practice are central to preparation so that candidates develop the knowledge, skills, and professional dispositions necessary to demonstrate positive impact on all P-12 students' learning and development.
3. ECU will demonstrate the quality of candidates is a continuing and purposeful part of its responsibility from recruitment, at admission, through the progression of courses and clinical experiences, and to decisions that completers are prepared to teach effectively and are recommended for certification.
4. ECU will demonstrate the impact of its completers on P-12 student learning and development, classroom instruction, and schools, and the satisfaction of its completers with the relevance and effectiveness of their preparation.
5. ECU maintains a quality assurance system comprised of valid data from multiple measures, including evidence of candidates' and completers' positive impact on P-12 student learning and development. The provider supports continuous improvement that is sustained and evidence based, and that evaluates the effectiveness of its completers. The provider uses the results of inquiry and data collection to establish priorities, enhance program elements and capacity, and test innovations to improve completers' impact on P-12 student learning and development.

The Master of Education programs at ECU that are related to education but are not restricted to certified teachers are Educational Leadership, Instructional Design and Technology, School Psychometry, Sports Administration, and Special Education. The Educational Leadership program is aligned with the Educational Leadership Constituent Council (ELCC) Standards. The Instructional Design and Technology Program is aligned with the Association for Education Communications and Technology standards (AECT), the Secondary Education-Academic Discipline Program is aligned with specific content standards. The Special Education program is aligned with The Council of Exceptional Children (CEC) standards. The Sports Administration Program is aligned with the National Association for Sport and Physical Education standards (NASPE) and the North American Society for Sport Management (NASSM) standards.

A common structure is shared generally within these degree options, all of which lead to the Master of Education degree. The curriculum for each program, however, is designed around specific standards.

### **Special Requirements of the Master of Education Degree**

Hold one of the following:

1. A Standard Teaching Certificate
2. An Alternative Education acceptance letter (which must be on file)
3. Written affirmation that the candidate understands the master's degree alone may not, and in many instances will not, lead to state certification until additional state certification requirements have been met. Only specific programs are eligible for this option.

### **Degree Options**

Students pursuing the Master of Education degree must select one of the following degree options. Such selection shall be made at the time of admission to the graduate program since a change of option may result in the students having completed inapplicable work.

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### **Master of Education (MEd) - Educational Leadership Option (32 Credit Hours)**

The graduate program option for Educational Leadership is designed for the graduate student specializing in administration for grades K-12. Special attention is given to the knowledge, skills and dispositions necessary to become an effective school principal.

#### **Research, Measurement & Statistics (3 Credit Hours)**

EDUC 5113 Techniques of Research

\* Must be taken within the first eight (8) hours of the program.

\*Must earn an "A" or "B" in this course.

#### **Specialization: School Principal (14 Credit Hours)**

EDUC 5533 Fundamentals of Public School Administration

EDUC 5573 Public School Finance

EDUC 5583 Legal Aspects of Education

EDUC 5623 The Principalship

EDUC 5832 Practicum and Portfolio in Public School Administration

#### **Curriculum & Instruction (6 Credit Hours)**

EDUC 5173 Fundamentals of Curriculum; OR

EDUC 5853 Advanced Strategies for Effective Teaching

EDUC 5513 Supervision of Instruction

#### **Special Phases of Administration (6 Credit Hours)**

EDUC 5413 Introduction to Counseling

EDUC 5943 Education Technology Leadership

#### **Supportive Area (3 Credit Hours)**

Select one of the following courses:

EDUC 5013 Advanced Educational Technology Strategies

EDUC 5023 Educational Aspects of Exceptional Child

EDUC 5133 Modern Philosophies of Education

EDUC 5183 Contemporary Issues in Education

EDUC 5843 Advanced Classroom Management

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### **Master of Education (MEd) - Library Media Option (32 Credit Hours)**

The Master's of Library Media is designed for graduate students planning to become a School Library Media Specialist in grades PreK-12th in public or private educational settings. The intent of the program is to prepare competent, certified School Library Media Specialists in accordance with state and national professional standards and guidelines. All areas of school librarianship, including technology, are emphasized. Special attention is given to the development of the student as a consumer of research along with a major emphasis on the knowledge, skills and attitudes that are necessary to become a School Library Media Specialist.

#### **Program Prerequisite or Co-Requisite (3 Credit Hours)**

EDLBS 4913 Children's Literature; OR

EDLBS 5913 Advanced Children's Literature

#### **Research, Measurement & Statistics (3 Credit Hours)**

EDUC 5113 Techniques of Research

\*Must be taken within the first eight (8) hours of the program.

\*Must earn an "A" or "B" in this course.

#### **Program Course (18 Credit Hours)**

LIBSC 5113 School Library Administration I

LIBSC 5133 Materials Selection

LIBSC 5213 Cataloging & Classification

LIBSC 5233 Information Resources

LIBSC 5923 Young Adult Literature

LICSC 5973 Curriculum and the School Library

#### **Specialization (6 Credit Hours)**

EDLBS 5333 Administration & Use of Instructional Media

EDUC 5003 Multimedia Technology

EDUC 5363 Principles of Instructional Design

EDUC 5933 Survey of Emerging Technologies

LIBSC 5353 Literacy in the School Library

#### **Portfolio (2 Credit Hours)**

LIBSC 5952 Practicum & Capstone in Library Media

#### **Electives (3 Credit Hours)**

Select one of the following courses:

EDLBS 5913 Advanced Children's Literature

EDUC 5233 Survey of Teaching Reading

EDUC 5603 Survey of Intellectual Property

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**Master of Education (MEd) - School Counseling Option (33 Credit Hours)**

The graduate program option for the school counselor is designed for the graduate student specializing in counseling at the elementary or secondary level and leads to the Master of Education Degree. Special attention is given to the development of the student as a consumer of research along with a major emphasis on the knowledge, skills, and attitudes that are necessary to become a school counselor.

**Research, Measurement & Statistics (3 Credit Hours)**

EDUC 5113 Techniques of Research

\*Must be taken within the first eight (8) hours of the program).

\*Must earn an "A" or "B" in this course.

**Professional Ethics & Orientation (3 Credit Hours)**

EDUC 5413 Introduction to Counseling

\*Must be taken the first semester.

**Foundations of School Counseling (9 Credit Hours)**

EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy

EDPSY 5353 Standardized Group Tests

PSYCH 5113 Theories of Personality & Human Behavior; OR

PSYCH 5473 Advanced Psych of Childhood & Adolescence

**Specialization (12 Credit Hours)**

EDPSY 5363 Career Development

EDPSY 5433 Aff Theories & Teach of Coun & Psychotherapy

EDUC 5453 Developmental Guidance

H/P/E 5443 Advanced Group Counseling

**Practicum & Intervention Strategies (6 Credit Hours)**

EDUC 5483 Counseling Intervention Strategies

EDUC 5493 Practicum & Capstone in School Counseling

\*Courses are to be taken concurrently at the end of program.

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**Master of Education (MEd) - School Psychometry Option (33 Credit Hours)**

This degree focuses on the applied knowledge needed in the development and use of educational and testing skills for student assessment. The curriculum is designed to address the educational and psychological concerns associated with educational assessment of students with routine and special needs in the classroom.

**Psychological Foundations (12 Credit Hours)**

EDPSY 5353 Standardized Group Tests

EDUC 5023 Educational Aspects of Exceptional Children

PSYCH 5063 Advanced Physiological Psychology

PSYCH 5173 Prof Orientation & Ethics in Clinical Psychology

**School Psychometry Specialization (18 Credit Hours)**

EDPSY 5143 Introduction to School Psych Services

EDPSY 5403 Non-Traditional Assessment

PSYCH 5313 Advanced Educational Psychology

PSYCH 5403 Intellectual Assessment

PSYCH 5433 Diagnostic Assessment

PSYCH 5473 Advanced Psychology of Childhood & Adolescence

**Field Experience (3 Credit Hours)**

EDPSY 5693 Practicum in School Psychometry

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**Master of Education (MEd) - Special Education Option (33 Credit Hours)**

The graduate program option for the special education teacher is designed for the graduate student specializing in teaching students with mild/moderate disabilities in PreK-12th grade. This option leads to a Master of Education Degree. Special attention is given to the development, learning assessment, and collaboration in working with students with mild/moderated disabilities. This is an online program.

**Research, Measurement & Statistics (3 Credit Hours)**

EDUC 5113 Techniques of Research

\*Must be taken within the first eight (8) hours of the program.

\*Must earn an "A" or "B" in this course.

**Required Courses (24 Credit Hours)**

EDUC 5023 Educational Aspects of Exceptional Child

EDUC 5093 Identification of & Strategies for Student w/Behavioral Disorders

EDUC 5103 Students with Mild & Moderate Disorders

EDUC 5163 Advanced Methods for Mild & Moderate Disorders

EDUC 5233 Survey of Teaching Reading

EDUC 5333 Legal Aspects of Special Education

EDUC 5353 Advanced Assessment & Program Development

EDUC 5753 Differentiated Instruction in Special Education

**Practicum (2 Credit Hours)**

EDUC 5762 Practicum and Portfolio in Special Education

**Required Courses (6 Credit Hours)**



EDUC 5843 Advanced Classroom Management  
EDUC 5853 Advanced Strategies of Effective Teaching

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### **Master of Education (MEd) - Sports Administration Option (30 Credit Hours)**

The Master of Education in Sports Administration specialization is designed to prepare the professional educator for positions as Head Coach, Athletic Director, or other administrative positions responsible for directing athletic programs. The program is based on specialized courses in sports administration.

#### **Research, Measurement & Statistics (3 Credit Hours)**

EDUC 5113 Techniques of Research

\*Must be taken within the first eight (8) hours of the program.

\*Must earn an "A" or "B" in this course.

#### **Required Courses (27 Credit Hours)**

KIN 5303 Sports Administration

KIN 5313 Sport Facility Management

KIN 5323 Legal Aspects of Sport

KIN 5353 Ethics in Sports Administration

KIN 5413 Principles of Sport Finance

KIN 5423 Marketing & Event Management

KIN 5513 Leadership and Personnel Management

KIN 5533 Sports in American Society

KIN 5613 Practicum in Sports Administration

\*Must be cleared to enroll in KIN 5613 by instructor.

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### **Post Master Certification Program - Alt. Principal Cert. Option (20 Credit Hours)**

Pursuant to HB 2747 of 2010 amending HB 2915 of the 2002 Oklahoma Legislative Sessions, amending 70 O.S. 2001, Section 6-122.3, East Central University affirms it has an Alternative Placement Certification candidate support program and is committed to implement the program in support of any Alternative Certification candidate approved by the Oklahoma State Department of Education (OSDE).

All candidates seeking ECU approval for a plan of study for alternative certification as a School Principal and must hold a master's degree and complete the courses noted for the respective program(s). Candidates for certification for School Principal must have two years of relevant work experience in a supervisory or administrative capacity. Candidates must have a passing score on the subject area competency examination, and a filing with the director of teacher education at an Oklahoma accredited institution of higher education a plan for completing an alternative administrative preparation program within (3) years. An alternative certificate for superintendent of schools and principals shall not exceed three (3) years and shall not be renewable.

#### **Required Courses (20 Credit Hours)**

EDUC 5173 Fundamentals of Curriculum

EDUC 5513 Supervision of Instruction

EDUC 5533 Fundamentals of Public School Administration

EDUC 5573 Public School Finance

EDUC 5583 Legal Aspects of Education

EDUC 5623 The Principalship

EDUC 5832 Practicum & Portfolio in Public School Administration

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### **Post Master Certification Program - School Superintendent Option (16 Credit Hours)**

Applicant must hold and maintain a valid Standard Teaching Certificate in Early Childhood, Elementary, Elementary/Secondary, Secondary, Vocational-Technical, Library Media Specialist, or Speech- Language Pathology. Applicant must hold a Master's Degree and certification as a school principal or meet alternative certification requirements for school principal certification. Applicant must have had two (2) years of successful teaching experience in public or private schools accredited the Oklahoma State Board of Education and two (2) years administrative experience in public or private schools accredited by the State Board of Education. Applicant shall pass the Oklahoma Certification Test for School Superintendent prior to being issued a certificate.

Alternative certification candidates must hold a standard master's degree, have two (2) years of relevant work experience in a supervisory or administrative capacity, receive a passing score on the subject area competency exam, and, submit a plan to the Director of Teacher Education at ECU for completing an alternative certification program within three (3) years. Candidates seeking certification through this route should contact the Director of Teacher Education for more information and specific program and course requirements. An alternative certificate for superintendent of schools shall not exceed three (3) years and shall not be renewable.

#### **Required Courses (16 Credit Hours)**

EDUC 5062 Superintendent Administration Practicum I

EDUC 5072 Superintendent Administration Practicum II

EDUC 5523 School Plan Management

EDUC 5723 Advanced Legal Aspects of Education

EDUC 5773 Politics & Governance of American Education

EDUC 5793 The Superintendency

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### **Master of Science in Psychological Services (MSPS)**

#### **Program Purpose & Objectives**

The Master of Science in Psychological Services degree is designed to develop professionals who can function as Licensed Professional Counselors, Licensed Behavioral Practitioners, School Psychologists, Sport Psychologists or psychological assistants in such settings as mental health centers, guidance centers, mental hospitals, alcohol and drug treatment centers, correctional institutions, individual athletes and teams, and as an independent practitioner as defined by the licensure or certification board(s) of his or her chosen program of study. The role of these professionals is to help people more fully to develop their potential for creative productivity and emotional satisfaction. The following general objectives are intended to prepare students to fill this role:

1. To provide opportunities for students to acquire knowledge of the general principles involved in providing psychological services;
2. To prepare students to understand research methodology and to use research reports and psychological literature;
3. To prepare students to provide the psychological services of counseling, consulting, and evaluating.

Students in this program are expected to have or to acquire in the early phases of training knowledge of general psychology, statistical methods, psychology of learning and its application to behavior modification, psychology of personality, abnormal psychology, and psychological evaluation. A course in theory and research in psychological services builds on this background to develop competencies in research and the use of psychological literature. Courses in individual mental testing, and individual psychological evaluation, help students to acquire the skills to evaluate people. Courses in behavior change and clinical psychology help students to provide counseling services to people. A course in community consultation helps students to provide consultation in their work setting and community.

Small classes and ample opportunities for interaction with faculty and students provide an excellent opportunity for students to develop the skills necessary to function well in their occupations. Graduate teaching assistantships and graduate research assistantships provide financial assistance as well as unusual opportunities for learning.

Each student will be assigned a faculty graduate advisor upon entering the program and will be expected to work closely with the advisor. A student will need to work with his or her advisor in meeting basic professional goals. This MSPS degree qualifies an individual to work in applied areas of psychology under supervision. At the completion of the program, students will have met the academic requirements for certification as a Licensed Professional Counselor, a Licensed Behavioral Practitioner, Applied Sport Psychologist, or School Psychologist.

### **Practicum/Internship**

The student will spend a minimum number of hours receiving direct supervision with a qualified mentor and direct client contact hours as required by his or her practicum(s) or internship(s). The student must complete an application form for practicum placement at least five weeks before the semester in which the practicum begins.

The student's advisor and the Practicum/Internship Supervisors will determine the type and appropriateness of supervision for each placement. The student will spend a minimum number of hours receiving direct supervision with a qualified mentor and direct client contact hours as required by his or her practicum(s) or internship(s).

### **Ethics & Professional Standards**

The student admitted to the Master of Science in Psychological Services program needs to familiarize himself or herself with and act in accordance with the ethical standards required by the following board and professional organizations:

1. American Psychological Association
2. American Counseling Association
3. National Board for Counselor Certification
4. Association of Psychological Sciences
5. Oklahoma State Board of Behavior Health

As well as the professional organization for his or her specific program of study:

1. National Association of School Psychologist or
2. Association for Applied Sport Psychology

Any behavior on the part of a student which may conflict with the standards in the above documents will be reviewed by a committee from the psychology faculty consisting of the advisor, a psychology faculty member appointed by the chair, and a faculty member chosen by the student. The committee will have the authority to take any of the following actions: exonerate the student, notify the student and plan appropriate ameliorative action, notify appropriate boards and law enforcement agencies, or dismiss the student from the program.

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### **Master of Science in Psychological Services (MSPS) - Counseling Psych. Option (60 Credit Hours)**

Counseling Psychology focuses on the skills and knowledge needed to facilitate personal and interpersonal functioning within mental health practice and different community mental health settings. The curriculum is broad based to prepare students in working with many different populations. Students in this track will be eligible to seek state LPC and LBP licensure.

#### **Psychology & Counseling Foundations (27 Credit Hours)**

EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy  
 EDPSY 5353 Standardized Group Tests  
 EDPSY 5433 Affective Theories of Counseling & Psychotherapy  
 H/P/E 5443 Advanced Group Counseling  
 PSYCH 5063 Advanced Physiological Psychology  
 PSY 5143 Stat and Design in Applied Psychology  
 PSYCH 5173 Prof Orientation and Ethics in Clinical Psychology  
 PSYCH 5363 Adolescent Psychopathology and Treatment  
 PSYCH 5443 Multicultural Consultation and Intervention

#### **School Psychology Specialization (21 Credit Hours)**

PSYCH 5113 Theories of Personality & Human Behavior  
 PSYCH 5153 Research in Applied Psychology  
 PSYCH 5183 Advanced Abnormal Psychology  
 PSYCH 5333 Behavioral Intervention w/Children  
 PSYCH 5373 Psychological Assessment  
 PSYCH 5403 Intellectual Assessment  
 PSYCH 5473 Advanced Psychology of Childhood & Adolescence

#### **Field Experience (6 Credit Hours)**

The following course will be completed twice.  
 PSYCH 5553 Practicum in Psychology  
 PSYCH 5553 Practicum in Psychology

Students who plan to apply for Oklahoma state LPC licensure are strongly advised to complete 6 elective program courses approved by the State Board of Behavioral Health Licensure (BBHL). Thesis hours are not accepted for LPC coursework. Candidates who do not adhere to the LPC Planned Program of Study for the MSPS Counseling Psychology Program may be subject to individual course review and at the discretion of the board denied approval or required



to complete additional coursework. Therefore, course substitutions for the Counseling Psychology option will only be approved after the candidate signs a contract stating he or she understands these possible consequences.

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### **Master of Science in Psychological Services (MSPS) - School Psych. Option (60 Credit Hours)**

School Psychology focuses on the skills and knowledge needed for providing psychological services within public school settings. The curriculum is designed to prepare students to work with diverse childhood populations, including children from diverse demographic backgrounds as well as children with diverse learning, behavior, and emotional needs. Students who successfully complete this track will be eligible to seek state School Psychologist and School Psychometrist certification.

#### **Psychological & Counseling Foundations (27 Credit Hours)**

EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy  
EDPSY 5353 Standardized Group Tests  
EDPSY 5433 Affective Theories of Counseling & Psychotherapy  
H/P/E 5443 Advanced Group Counseling  
PSYCH 5063 Advanced Physiological Psychology  
PSYCH 5143 Stat & Design in Applied Psychology  
PSYCH 5173 Prof Orientation & Ethics in Clinical Psychology  
PSYCH 5363 Adolescent Psychopathology & Treatment  
PSYCH 5443 Multicultural Consultation & Intervention

#### **School Psychology Specialization (21 Credit Hours)**

EDPSY 5143 Introduction to School Psychological Services  
EDPSY 5403 Non-Traditional Assessment  
PSYCH 5313 Advanced Educational Psychology  
PSYCH 5333 Behavioral Intervention w/Children  
PSYCH 5403 Intellectual Assessment  
PSYCH 5433 Diagnostic Assessment  
PSYCH 5473 Advanced Psychology of Childhood & Adolescence

#### **Field Experiences (12 Credit Hours)**

EDPSY 5493 Practicum in School Psychology  
EDPSY 5593 Internship in School Psychology I  
EDPSY 5613 Internship in School Psychology II  
EDPSY 5693 Practicum in School Psychometry

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### **Master of Science in Psychological Services (MSPS) - Sport Psychology Option (60 Credit Hours)**

Sport Psychology- focuses on the applied knowledge needed in the development and use of psychological skills for the optimal performance and the well-being of athletes. The curriculum is designed to address the performance and psychological concerns associated with sports involvement affecting athletes, coaches, and families as well as the develop- mental and social aspects of sports participation

#### **Psychological & Counseling Foundations (27 Credit Hours)**

EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy  
EDPSY 5353 Standardized Group Tests  
EDPSY 5433 Affective Theories of Counseling & Psychotherapy  
H/P/E 5443 Advanced Group Counseling  
PSYCH 5063 Advanced Physiological Psychology  
PSYCH 5143 Stat & Design in Applied Psychology  
PSYCH 5173 Prof Orientation & Ethics in Clinical Psychology  
PSYCH 5363 Adolescent Psychopathology & Treatment  
PSYCH 5443 Multicultural Consultation & Intervention

#### **Sport Psychology Specialization (30 Credit Hours)**

PSYCH 5023 Advanced Social Psychology  
PSYCH 5043 Advanced Sport Psychology  
PSYCH 5083 Sports Performance Enhancement Strategies  
PSYCH 5153 Research in Applied Psychology  
PSYCH 5183 Advanced Abnormal Psychology  
PSYCH 5193 Health Psychology  
PSYCH 5203 Applied Biomechanics  
PSYCH 5213 Life Coaching & Career Counseling  
PSYCH 5373 Psychological Assessment  
PSYKN 5523 Sports in American Society

#### **Field Experience (3 Credit Hours)**

PSYCH 5563 Internship in Sport Psychology

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### **Graduate Certificate in Psychology Services - School Psychologist Option (60 Credit Hours)**

Applicant must hold a Master's Degree in one of the following areas: General Psychology, Special Education, Child Psychology, School Counseling, or a related counseling area. School Psychologist Certificate candidates will be eligible to complete the OSAT certification exams for School Psychologist (033) and Psychometrist (034). School Psychologist certificate students will only be eligible to seek a state LPC licensure if they hold a Master's Degree in an area related to mental health and accepted by the stated LPC licensure board. Mini- mum total of sixty (60) semester credit hours, including course work in the following program of study are required.

#### **Psychological & Counseling Foundations (27 Credit Hours)**

EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy

EDPSY 5353 Standardized Group Tests  
 EDPSY 5433 Affective Theories of Counseling & Psychotherapy  
 H/P/E 5443 Advanced Group Counseling  
 PSYCH 5063 Advanced Physiological Psychology  
 PSYCH 5143 Stat & Design in Applied Psychology  
 PSYCH 5173 Prof Orientation & Ethics in Clinical Psychology  
 PSYCH 5363 Adolescent Psychopathology & Treatment  
 PSYCH 5443 Multicultural Consultation & Intervention

#### **School Psychology Specialization (21 Credit Hours)**

EDPSY 5143 Introduction to School Psychological Services  
 EDPSY 5403 Non-Traditional Assessment  
 PSYCH 5313 Advanced Educational Psychology  
 PSYCH 5333 Behavioral Intervention w/Children  
 PSYCH 5403 Intellectual Assessment  
 PSYCH 5433 Diagnostic Assessment  
 PSYCH 5473 Advanced Psychology of Childhood & Adolescence

#### **Field Experience (12 Credit Hours)**

PSYCH 5553 Practicum in School Psychology  
 PSYCH 5553 Internship in School Psychology I  
 PSYCH 5553 Internship in School Psychology II  
 PSYCH 5553 Practicum in School Psychometry

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### **Graduate Certificate in Psychological Services - School Psychometrist Option (30 Credit Hours)**

#### **Psychological & Counseling Foundations (9 Credit Hours)**

EDPSY 5353 Standardized Group Tests  
 PSYCH 5063 Advanced Psychological Psychology  
 PSYCH 5173 Prof Orientation and Ethics in Clinical Psychology

#### **School Psychology Specialization (18 Credit Hours)**

EDPSY 5143 Introduction to School Psychological Services  
 EDPSY 5403 Non-Traditional Assessment  
 PSYCH 5313 Advanced Educational Psychology  
 PSYCH 5403 Intellectual Assessment  
 PSYCH 5433 Diagnostic Assessment  
 PSYCH 5473 Advanced Psychology of Childhood & Adolescence

#### **Field Experience (3 Credit Hours)**

EDPSY 5693 Practicum in School Psychometry

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### **Master of Arts in Criminal Justice Administration (MA; 30 Credit Hours)**

#### **Program Purpose & Objectives**

A Master of Art in Criminal Justice Administration degree supports the need for an understanding of the administration and management of criminal justice agencies and organizations. A degree in criminal justice administration trains students to be leaders and administrators in the field of criminal administrative roles in many areas of criminal justice including the following: city police departments, sheriff's offices, state departments of correction, federal law enforcement agencies, and private sector agencies. Specifically, this degree will prepare students for roles as police chiefs, assistant or deputy chiefs, sheriffs, undersheriffs, wardens, deputy wardens, and chief agents of law enforcement entities.

1. Use a multidisciplinary approach to increase students' understanding of leadership in criminal justice agencies and organizations.
2. Produce ethical criminal justice leaders who are responsible and informed decision makers.
3. Cultivate critical thinking skills that are applicable in criminal justice agencies and organizations.
4. Teach students to utilize evidence-based practices in criminal justice, leadership, and administration.

#### **Required Courses (18 Credit Hours)**

COUNS 5103 Human Services Research  
 CRJS 5013 Administration in the Criminal Justice System  
 CRJS 5113 Political & Legal Aspects of the Criminal Justice System  
 CRJS 5323 Foundations of the Criminal Justice Profession  
 CRJS 5433 Advanced Crime Theory  
 HURES 5433 Organizational Decision Making & Leadership

#### **Elective Courses (12 Credit Hours)**

Select four of the following courses:

COUNS 5183 Addiction Theory  
 COUNS 5283 Psychopharmacology & Substance Abuse  
 CRJS 5213 Litigation in the Criminal Justice System  
 CRJS 5333 Crime Reduction Strategies  
 HURES 5123 Grant Proposal Writing  
 HURES 5303 Program Evaluation  
 WRPM 5113 Advanced Native American Law

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### **Master of Science in Clinical Mental Health Counseling (MS)**

### Program Purpose & Objectives

The Master's Degree in Clinical Mental Health Counseling is designed to provide the student with the theory, knowledge, and skills necessary for employment in a variety of public and private settings.

The program objectives are as follows:

1. To contribute to the career development of persons currently employed in both the public and private sector.
2. To prepare pre-service professionals to enter the fields of mental health counseling.
3. To provide practicum and internship experiences common to the students' career choice.
4. To develop the interpersonal, consultation, and coordination skills required for program development, management, and evaluation.
5. To provide specific specialized experiences related to the students' present or desired career objective.

### Admission to the Master of Science in Clinical Mental Health Counseling Degree

The MSHR Program seeks mature, emotionally stable individuals with a strong sense of personal responsibility and integrity. With this in mind, applicants are assessed by the program's Graduate Admission Committee through an evaluation and weighing of all admission materials (e.g., admissions statement, interview, work experiences, recommendation forms, test scores) during both the fall and spring semesters. In addition to academic performance, measured primarily by grade point average, the Admissions Committee considers other factors that contribute to the development of a professional. Formal work experience in the human services, particularly in settings that serve public social services clients, is important. Other factors considered include: volunteer experience in the human services, life experiences and opportunities for personal growth, leadership, communication and interpersonal relationship skills, problem solving ability, the ability to work with and respect persons from diverse backgrounds, health and stamina, and motivation for graduate work and a career in administration, counseling or criminal justice.

### Practicum/Internship

The student must complete an application form for practicum/ internship placement at least five weeks before the semester in which the practicum begins. The Practicum/Internship Coordinator will determine the type and appropriateness of supervision for each placement.

### Ethics & Professional Standards

The student admitted to the Master of Science in Clinical Mental Health Counseling program needs to familiarize himself or herself with and act in accordance with the ethical standards required by the following boards, committees, or professional organizations.

1. American Counseling Association
2. Oklahoma State Board of Behavioral Health
3. National Board for Certified Counselors

Any behavior on the part of a student which may conflict with the above professional standards will be reviewed by a committee from the MSHR Student Review Committee. The student may be present at the committee meeting. The committee will have the authority to take any of the following actions, or any other appropriate actions: exonerate the student, notify the student and plan appropriate ameliorative action, notify appropriate boards and law enforcement agencies, drop the student from the program.

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### Master of Science in Clinical Mental Health - Clinical Rehabilitation (60 Credit Hours)

This option prepares counseling professionals for employment in a variety of public and private settings. This training program affords students opportunities to gain the knowledge necessary to become highly-skilled professional counselors meeting the demands clinical mental health counseling. Students completing the program will satisfy the educational and clinical training requirements to be eligible for licensure (Licensed Professional Counselor— LPC). An applicant for admission to the program must show evidence of professional potential. This option is fully accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

### Research, Measurement & Statistics (3 Credit Hours)

COUNS 5103 Human Services Research

\*Must be taken within the first eighteen (18) hours of the program.

### Required Courses (51 Credit Hours)

COUNS 5163 App and Assess of Individuals, Groups and Families

COUNS 5213 Diagnosis of Psychiatric and Co-occurring Disorders

COUNS 5243 Foundations of Clinical Mental Health

\*5243 must be taken within the first eighteen (18) hours of the program.

COUNS 5253 Legal & Ethical Aspects of Counseling

COUNS 5323 Clinical Assessment

COUNS 5363 Theories of Marriage and Family Counseling

COUNS 5493 Counseling Skills

COUNS R5553 Practicum in Clinical Mental Health Counseling

COUNS 5603 Human Growth & Development

COUNS 5613 Counseling Theories

\*5613 must be taken within the first eighteen (18) hours of the program.

COUNS 5623 Counseling Interventions

COUNS 5633 Career Counseling & Theories

COUNS 5673 Counseling the Culturally Diverse

COUNS 5713 Group Counseling Theory & Practice

COUNS 5943 Int in Clinical Rehab & Clin Mental Health Counseling

COUNS 5943 Int in Clinical Rehab & Clin Mental Health Counseling

COUNS 5943 Int in Clinical Rehab & Clin Mental Health Counseling

### Elective Courses (6 Credit Hours)

Select two of the following courses:

COUNS 5043 Clinical Supervision and Administration

COUNS 5133 Human Sexuality

COUNS 5183 Addictions Theory

COUNS 5203 Child & Adolescent Counseling

COUNS 5283 Psychopharmacology & Substance Abuse

COUNS 5533 Crisis & Trauma Counseling

COUNS 5763 Integrated Behavioral Health

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### **Master of Science in Water Resource Policy & Management (MSWPM; 30 Credit Hours)**

#### **Program Purpose & Objectives**

The Master of Science in Water Resource Policy and Management supports the need for advanced understanding of the growing complexity of water issues that face communities in the state, nation, and globally. This degree trains students for leadership in making water policy decisions and prepares students who seek employment within federal and state environmental agencies, environmental non- governmental organizations, international development agencies, industry, and environmental consulting firms.

The program requires students to integrate and synthesize knowledge from multiple disciplines to address the complex challenges of water resource decisions and to develop solutions that are socially acceptable, politically and economically viable, and environmentally sustainable. Students will be broadly trained to undertake careers in managing water resources and in guiding or making water resource policy decisions.

#### **Required Courses (21 Credit Hours)**

WRPM 5103 Policy Research & Methodology  
WRPM 5203 Natural Resource History & Policy  
WRPM 5303 Water Resource Policy Analysis  
WRPM 5503 Environmental Conflict Management  
WRPM 5513 Advanced Watershed Management  
WRPM 5603 Water Resource Economics  
WRPM 5703 International Environmental Policy

#### **Elective Courses (9 Credit Hours)**

Select three of the following courses:

WRPM 5113 Advanced Native American Law  
WRPM 5193 Advanced Tribal Politics  
WRPM 5213 Advanced Public Policy Making  
WRPM 5223 Water in Developing Countries  
WRPM 5313 Native American Water Rights  
WRPM 5403 Water Law  
WRPM 5413 Public Organization Theory  
WRPM 5613 Hydrogeology  
WRPM 5693 Thesis  
WRPM 5713 Advanced Water Quality & Treatment  
WRPM 5813 Studies in Environmental Toxicology  
WRPM 5913 Climate Change & Water

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### **Master of Science in Biological Sciences**

#### **Program Purpose & Objectives**

The Master of Science in Biological Science program is designed to strengthen the scientific portfolio and provide specialized preparation for those individuals seeking careers in the health industry, water science, ecology or the natural sciences. The curriculum will strengthen student understanding of biology and increase competitiveness in their career of choice.

### **Master of Science in Biological Sciences - Health Sciences Option (MS; 30 Credit Hours)**

#### **Required Courses (6 Credit Hours)**

BIOL 5013 Experimental Design/Data Analysis  
BIOL 5223 Grant/Science Writing & Communication

#### **Required Track Courses (9-12 Credit Hours)**

*Students must select either the Thesis Track or the Non-Thesis Track.*

##### Thesis Track (12 Credit Hours)

BIOL 5691-3 Thesis  
BIOL 5713 Teaching in the Sciences  
BIOL 5773 Graduate Examinations - Oral

OR

##### Non-Thesis Track (9 Credit Hours)

BIOL 5803 Report  
BIOL 5813 Field Work in the Sciences  
BIOL 5873 Graduate Examinations - Written

#### **Elective Courses (12-15 Credit Hours)**

*Students will select from between four to five of the following courses.*

BIOL 5133 Special Topics in Evolution  
BIOL 5245 Advanced Comparative Vertebrate Anatomy  
BIOL 5254 Special Topics in Entomology  
BIOL 5313 Advanced Cell and Molecular Biology  
BIOL 5405 Advanced Techniques in Biotechnology  
BIOL 5424 Advanced Ethnobotany  
BIOL 5433 Human Genetics  
BIOL 5545 Advanced Molecular Biology  
BIOL 5554 Genomics & Bioinformatics  
BIOL 5563 Pathogenic Microbiology

BIOL 5623 Medical Biochemistry  
BIOL 5654 Histopathology  
BIOL 5683 Advanced Immunology  
BIOL 5703 Advanced Biostatistics  
BIOL 5981-4 Seminar in Biology  
GIS 5613 Digital Mapping  
GIS 5913 Spatial Analysis

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### **Master of Science in Biological Sciences - Water Sciences Option (MS; 30 Credit Hours)**

#### **Required Courses (6 Credit Hours)**

BIOL 5013 Experimental Design/Data Analysis  
BIOL 5223 Grant/Science Writing & Communication

#### **Required Track Courses (9-12 Credit Hours)**

*Students must select either the Thesis Track or the Non-Thesis Track.*

##### Thesis Track (12 Credit Hours)

BIOL 5691-3 Thesis  
BIOL 5713 Teaching in the Sciences  
BIOL 5773 Graduate Examinations - Oral

OR

##### Non-Thesis Track (9 Credit Hours)

BIOL 5803 Report  
BIOL 5813 Field Work in the Sciences  
BIOL 5873 Graduate Examinations - Written

#### **Elective Courses (12-15 Credit Hours)**

*Students will select from between four to five of the following courses.*

BIOL 5133 Special Topics in Evolution  
BIOL 5144 Freshwater Invertebrate Zoology  
BIOL 5254 Special Topics in Entomology  
BIOL 5313 Advanced Cell & Molecular Biology  
BIOL 5324 Advanced Topics in Herpetology  
BIOL 5414 Advanced Topics in Ecology  
BIOL 5424 Advanced Ethnobotany  
BIOL 5525 Advanced Plant Ecophysiology  
BIOL 5535 Advanced Plant Ecology  
BIOL 5935 Advanced Limnology  
EHS 5223 Watershed Management  
EHS 5553 Water Quality & Treatment  
EHS 5703 Advanced Biostatistics  
EHS 5802 Environmental Health Lab  
EHS 5803 Environmental Toxicology  
GIS 5613 Digital Mapping  
GIS 5753 Spatial Programming  
GIS 5913 Spatial Analysis  
GIS 5953 GIS Workflows

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