



Eastern New Mexico University
College of Liberal Arts and Sciences
2025-2027 Catalog
Degree Guide Checklist

Major:	Applied Arts and Science	Minor:	Not required
Concentration:	Information Systems and Programming Design	Degree:	Bachelor of Applied Arts and Science (B.A.A.S.)

This degree plan is a guide only. Consult with an adviser before enrolling in courses. For more detailed information on coursework and degree requirements, refer to the catalog and consult with an adviser.

All course requirements in the major and minor must have a grade of "C" or better. All acceptable transfer work from a junior or community college will be recorded as lower division credit.

Students may transfer a minimum of 30 and a maximum of 58 credit hours in their individual technical specialization from a previous program of study. The acceptance and transfer of course work will be based upon an analysis of each student's transcript. If less than 30 credit hours are transferred into the applied science program, the remaining course work necessary to meet the technical emphasis area requirements will be determined by faculty.

Note: All Bachelor degrees at ENMU require 120 minimum total credit hours.

BACHELOR'S DEGREE REQUIREMENTS (6 hours)

FYEX 1110 First-Year Seminar
Diversity/Global Upper-Division

GENERAL EDUCATION REQUIREMENTS (non-teaching) (31-33 hours)

TECHNICAL EMPHASIS REQUIREMENTS (30-58 hours)

REQUIREMENTS IN B.A.A.S. CONCENTRATION FOR INFORMATION SYSTEMS AND PROGRAMMING DESIGN (33 hours)

Required Core Courses (19 hours):

BCIS 301 Information Systems for Managers
BCIS 315 Electronic Business Strategy, Architecture and Design
BCIS 316 Information Systems Security and Ethics
CS 220 Discrete Mathematics for CS
CS 234 Computer Science II
CS 357 Data Structure

Select TWO courses from the following (6 hours):

BCIS 343 Database Management Systems
BCIS 420 Systems Analysis and Design
BCIS 430 Advanced Web Design Development
BCIS 435 Network Infrastructure Design
BCIS 440 Server Operating Systems
BCIS 460 Project Management
CS 451 Design and Analysis of Algorithms

Additional Required Courses (8 hours):

CS 123 Computer Science I
* MATH 1220 College Algebra (prerequisite for CS 220)

* May also be used to satisfy General Education Requirements.

ELECTIVES AS NEEDED TO FULFILL REQUIREMENT OF 120 CREDIT HOURS.