| Major: | Computer Science | | Minor: | Not required |
| Emphasis: | N/A | | Degree: | Bachelor of Science (B.S.) |

This degree guide is a guide only and is subject to revision. Before enrolling in courses, consult with an adviser and review the current ENMU-Portales catalog.

All course requirements in the major 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.

Note: The B.A. and B.S. degrees require 120 minimum total credit hours including 40 upper-division (300- or 400-level) hours and ENMU-Portales residency requirement (30 of the final 60 hours must be taken from ENMU-Portales). B.A. candidates must satisfy the language requirement (6-14 hours). Developmental and vocational/technical courses will not be counted toward graduation requirements.

BACHELOR'S DEGREE REQUIREMENTS (6 hours)

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

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

REQUIREMENTS IN COMPUTER SCIENCE (51 hours)

CSCI 1100 Computer Science Orientation
CS/EET 122 Programming Fundamentals with C/C++
CSCI 1210 Computer Programming Fundamentals
CSCI 1220 Python Programming
CSCI 2310 Discrete Mathematics for Computer Science
CS 301 Programming Language Concepts
CS 334 Web Application and Development
CS 357 Data Structures
CS 359 Database Design and Programming
CS 361 Introduction to Computer Architecture
CS 401 Introduction to Compilers
CS 440 Computer Networks
CS 451 Design and Analysis of Algorithms
CS 460 Introduction to Applied Machine Learning
CS 461 Operating Systems
CS 472 Software Engineering

REQUIREMENTS IN OTHER AREAS (19-20 hours)

Required Courses in other areas (16 hours):

BCIS 301 Information Systems for Managers
EET 241 Logic Circuits
ENG 305 Report Writing
* MATH 1510 Calculus I
MATH 1520 Calculus II

Choose ONE of the following (3-4 hours):

* MATH 1350, STAT 313, 403 -OR- 400

* May also be used to satisfy a General Education Requirement.

ELECTIVES as needed to satisfy requirement of 120 total credit hours.