## COMPUTER ENGINEERING BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

## Overview

The Bachelor of Science in Computer Engineering program of the Klipsch School is accredited by the Engineering Accreditation Commission of ABET, Inc. This particular program gives students the opportunity to explore more deeply the area of computer Engineering.

## Electrical Engineering Program Educational Objectives

Below are the program educational objectives (PEOs) that describe the expected accomplishments of graduate during their first few years after graduation.

1. Our graduates will obtain relevant, productive employment in the private sector, government and/or pursue an advanced degree.
2. Our graduates will be using their engineering foundation to innovate solutions to the problems of the real world.

## Requirements (124 credits)

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 124 credits with 48 credits in courses numbered 300/3000 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

| Prefix | Title | Credits |
| :---: | :---: | :---: |
| General Education |  |  |
| Area l: Communications |  |  |
| English Composition - Level 1 |  |  |
| ENGL 1110G | Composition I | 4 |
| English Compos | vel $2^{2}$ | 3 |
| Oral Communica |  | 3 |
| Area II: Mathematics |  |  |
| MATH 1511G | Calculus and Analytic Geometry ${ }^{1}$ | 4 |
| Area III: Laboratory Sciences |  |  |
| CHEM 1215G | General Chemistry I Lecture and Laboratory for STEM Majors | 4 |
| PHYS 1310G <br> \& PHYS 1310L | Calculus -Based Physics I and Calculus -Based Physics I Lab | 4 |
| Area IV: Social/B | al Sciences ( 3 credits) ${ }^{2}$ | 3 |
| Area V: Humanit |  | 3 |
| Area VI: Creative | Arts ${ }^{2}$ | 3 |
| General Education Elective |  |  |
| MATH 1521G | Calculus and Analytic Geometry II (Required Mathematics and Natural Science) | 4 |
| Viewing A Wide |  | 6 |
| Viewing a W | rld Electives ${ }^{3}$ |  |
| Departmental/College Requirements |  |  |
| Program Specific Requirements |  |  |
| Mathematics and Natural Science |  |  |
| PHYS 1320G <br> \& PHYS 1320L | Calculus -Based Physics II and Calculus -Based Physics II Lab | 4 |
| ENGR 190 | Introduction to Engineering Mathematics | 4 |

See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/ general-education-viewing-wider-world/\#viewingawiderworldtext) section of the catalog for a full list of courses.
${ }^{4}$ Or could be replaced with C S 372 Data Structures and Algorithms

