The Associate in Science Engineering program is designed to prepare the beginning engineering student to successfully transfer to upper division programs at four or five year engineering schools. Participants in the associate program will enroll and successfully complete course work in basic science, mathematics, and engineering related courses that will provide the serious student with the knowledge and background to take upper level courses in his/her chosen field of study.

**FIRST SEMESTER**
- CHEM 181    General Chemistry I     4 cr.
- PHYS 281    General Physics I     4 cr.
- MATH 265    Calculus I          4 cr.
- ENGR 181    Graphics for Engineers  2 cr.
- ENGL 151    English I          3 cr.
  17 cr.

**SECOND SEMESTER**
- CHEM 182    General Chemistry II    4 cr.
- PHYS 282    General Physics II    4 cr.
- MATH 266    Calculus II          4 cr.
- __________ Humanities Gen Ed Requirement 3 cr.
- ENGL 152    English II          3 cr.
  18 cr.

**THIRD SEMESTER**
- MATH 267    Calculus III         4 cr.
- ENGR 221    Engineering Statics  3 cr.
- __________ Social Science or Humanities Gen Ed Requirement 3 cr.
- PHYS 283    General Physics III  4 cr.
  14 cr.

**FOURTH SEMESTER**
- __________ Technology Gen Ed Requirement * 3 cr.
- __________ OCC Requirement: Any course from the List of Approved General Educational Courses or ACAD 155 or any HEHP Course 3 cr.
- ENGR 222    Engineering Dynamics  3 cr.
- ENGR 225    Design of Material Structures  3 cr.
- __________ Social Science Gen Ed Requirement 3 cr.
  15 cr.

**TOTAL CREDITS**  64

* Students may attempt to “test out” of the technology requirement. If they succeed, they must take an additional course(s) to meet the required 64 total credits.

Note: Transfer students are strongly advised to take MATH 280: Differential Equations.

Note: cr. (credit) = semester credit hour

Courses satisfying general education requirements must be selected from the list of Approved General Education Courses.