

B.S. Major in Engineering Science

The B.S. major in Engineering Science requires 23 courses:

Code	Title	Semester Hours
CHEM 131	Fundamentals of Chemistry I	4.0
CHEM 132	Fundamentals of Chemistry II	4.0
CSCI 171	Introduction to Programming	4.0
ENGR 101	Graphical Communications ¹	3.0
ENGR 160	Intro Engineering Profession	2.0
ENGR 201	Engineering Mechanics:Statics	3.0
ENGR 202	Engineering Mechanics: Dynamics ²	3.0
ENGR 203	Mechanics of Materials ²	3.0
ENGR 340	Prof Integrity in Engineering	3.0
MATH 181	Calculus I	4.0
MATH 182	Calculus II	4.0
MATH 283	Multivariable Calculus	4.0
MATH 284	Differential Equations	3.0
PHYS 201	Phys for Scientists/Engrs I	4.0
PHYS 202	Phys for Scientists/Engrs II	4.0
PHYS 203	Phys for Scientists/Engrs III	4.0
WRIT 151	Fundamentals of Acad Writing	3.0
Successful transfer or completion of at least 6 courses of Principia-advisor-approved engineering courses in one of the specialties listed in the narrative description of engineering science ³		18.0
Total Semester Hours		77.0

¹ Required for ONLY Civil & Mechanical majors (for all other majors see the Engineering Department Chair for equivalent courses in major to fulfill the 17 course requirement).

² Required for ONLY Civil, Electrical & Mechanical majors (for all other majors see the Engineering Department Chair for equivalent courses to fulfill the 17 course requirement).

³ These courses will include at least four (4) 300 and above level courses.

Note: A minimum grade of C- or higher is required for each science and engineering course in the major. In addition, a cumulative average of 2.0 or higher in all required courses is necessary to complete the major. See overview page.