Engineering Courses at Rogue Community College

Take your lower division classes in relatively small classes rather than the hundreds per section at the big university. Take advantage of the lower tuition close to home. Take your engineering at RCC!

At Rogue Community College you are able to get most of your lower division courses for a civil, electrical, environmental, mechanical or other engineering degree to transfer to Oregon engineering schools.

Among the core classes you can take are the chemistry and physics sequences, the calculus sequence, linear algebra, differential equations, the introductory engineering sequence, statics, dynamics, strength of materials and electrical fundamentals. Many required electives as well as general electives are also available.

Contact Bea Frederickson at bFrederickson@roguecc.edu to schedule an appointment with Professor James “Dusty” Rittenbach. You may also contact him directly at jRittenbach@roguecc.edu. Professor Rittenbach will be available for advising appointments during the academic year including the summer term.

(See other side for a possible schedule of core engineering classes)
A Schedule of Core Engineering Classes for Well-Prepared Students

(There are many other good options for those working their way up in math or other skills.)

Pre-Engineering Year 1

CHEM 221,222,223 General Chemistry Sequence (15 credits)
Co-requisite: MTH 95
ENGR 101,102,103 Introduction to Engineering Sequence (6 credits)
  Prerequisite: MTH 111
MTH 251,252,253,254 Calculus Sequence (20 credits)
  Prerequisite: MTH 112
MTH 256 Differential Equations (5 credits)
  Prerequisite: MTH 252

Pre-Engineering Year 2:

ENGR 201 Electric Fundamentals I (3 credits)
  Prerequisite: MTH 251
ENGR 202 Electric Fundamentals II (3 credits)
  Prerequisite: ENGR 201
ENGR 211 Statics (3 credits)
  Prerequisite: PH 211
ENGR 212 Dynamics (3 credits)
  Prerequisite: ENGR 211
ENGR 213 Strength of Materials (3 credits)
  Prerequisite: ENGR 211
MTH 261 Linear Algebra (5 credits)
  Prerequisite: MTH 252
PH 211,212,213 General Physics w/Calculus Sequence (15 credits)
  Co-requisite: MTH 251
WR 227 Technical Writing (4 credits)
  Prerequisite: WR 121

Other courses required for certain engineering degrees such as economics, computer-aided drafting (CAD), welding, renewable energy systems, speech and many more are available at Rogue Community College. A wide variety of the general education courses required for an engineering degree are also available.

Many of the core engineering classes are offered only once a year with most of the sequences starting in the Fall Term. As such, it is important to meet with an advisor early on in this process.