

ENGINEERING BROAD FIELD AS

Purpose: RCTC offers an Associate of Science (AS) degree in Engineering. After completion, students normally transfer to a 4-year institution to complete a BS degree in a chosen field of engineering. Options then include immediate employment (most engineering jobs require a bachelor’s degree) or graduate study.

Award

Mechanical Broad Field A.S. Degree 60 credits total
Engineering curriculum 26 credits
MnTC curriculum/General Education..... 34 credits

Program course sequence begins in the Fall.

General Education courses may be taken in any semester. Contact your Advisor.

RECOMMENDED FULL-TIME COURSE SEQUENCE			
<i>Note: Not all courses are scheduled every semester. See www.rctc.edu for additional course and program information.</i>			
Semester 1 MATH 1127 Calculus I PHYS 1127 Classical Physics I ENG1117 Reading and Writing Critically (Goal 1) ENGR 1101 Intro to Engineering <div style="text-align: right;">Total Credits</div>	5 cr 5 cr 4 cr 2 cr 16	Semester 2 MATH 1128 Calculus II PHYS 1128 Classical Physics II MnTC (Goal 5) Restricted Engineering Elective <div style="text-align: right;">Total Credits</div>	5 cr 5 cr 3 cr 3 cr 16
Semester 3 MATH 2237 Multivariable and Vector Calculus Restricted Engineering Elective CHEM 1127 Chemical Principles MnTC (Goal 6) <div style="text-align: right;">Total Credits</div>	5 cr 3 cr 4 cr 3 cr 15	Semester 4 MATH 2238 Differential Equations and Linear Algebra Restricted Engineering Electives <div style="text-align: right;">Total Credits</div>	5 cr 8 cr 13

Course descriptions can be found at: <https://www.rctc.edu/academics/courses/course-descriptions>.