

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		Semester 2	
MATH 1127 Calculus I	5 cr	MATH 1128 Calculus II	5 cr
PHYS 1127 Classical Physics I	5 cr	PHYS 1128 Classical Physics II	5 cr
ENG1117 Reading and Writing Critically (Goal 1)	4 cr	MnTC (Goal 5)	3 cr
ENGR 1101 Intro to Engineering	2 cr	Restricted Engineering Elective	3 cr
Total Credits	16	Total Credits	16
Semester 3		Semester 4	
MATH 2237 Multivariable and Vector Calculus	5 cr	MATH 2238 Differential Equations and Linear Algebra	5 cr
Restricted Engineering Elective	3 cr	Restricted Engineering Electives	8 cr
CHEM 1127 Chemical Principles	4 cr		
MnTC (Goal 6)	3 cr		
Total Credits	15	Total Credits	13

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