

SUGGESTED SEQUENCE AT TRI-C

First Year

Fall Semester	Credits	Spring Semester	Credits
ENG 1010/101H College Composition I	3	ENG 1020/102H Composition II	3
MATH 1610 Calculus I	5	MATH 1620 Calculus II	5
CHEM 1300 General Chemistry I	4	PHYS 2310 General Physics I	5
CHEM 130L General Chemistry Lab I	1	A& H Non U.S. Elective*	3
MET 1100 Tech Orientation	2		
Semester Total	15	Semester Total	16

Second Year

Fall Semester	Credits	Spring Semester	Credits
PHYS 2320 General Physics II	5	MET 2620 Engineering Dynamics	3
MET 2610 Engineering Statics	3	MATH 2410 Linear Algebra	3
MATH 2520 Differential Equations	3	Social Science Non U.S. elective*	3
MATH 2310 Calculus III	4	MET 2630 Engineering Strength of Materials	3
Social & Behavioral Science Elective**	3	Arts & Humanities elective	3
Semester Total	18	Semester Total	15
Total minimum credits earned at Tri-C			64
Associate of Science Degree Awarded			

SUGGESTED SEQUENCE AT CSU

Third Year

Fall Semester	Credits	Spring Semester	Credits
MCE 180 Computer Aided Engineering I	2	MCE 181 Computer Aided Engineering II	2
ESC 321 Engineering Thermodynamics I	3	MCE 260 Kinematics	3
ESC 301 Fluid Mechanics	3	MCE 276 Engineer. Materials & Manufacturing Processes	3
ESC 152 Programming with MATLAB	3	MCE 286 Manufacturing Processes Lab	1
ESC 315 Electrical Engineering Concepts	3	MCE 324 Introduction to Heat Transfer	3
ESC 282 Engineering Economy	3	MCE 371 Vibrations	3
Semester Total	17	Semester Total	15
Summer Semester			
	Credits		
MCE 362 Machine Analysis	3		
Semester Total	3		

Fourth Year

Fall Semester	Credits	Spring Semester	Credits
MCE 421 Applied Thermodynamics	3	MCE 451 Design Project II	3
MCE 481 Thermodynamics Lab	1	MCE 4XX Tech Elective	3
MCE 441 Linear Control Systems	3	MCE 4XX Tech Elective	3
MCE 450 Design Project I	3	MCE 48X Lab Elective	3
MCE 470 Engineering Measurements	3	PHL 215 Engineering Ethics	3
MCE 480 Measurements Lab	1		
MCE 365 Machine Design I	3		
Semester Total	17	Semester Total	15
Total minimum credits earned at both institutions			
	131		

* At least one of the non-US courses must be designated 'NW' (i.e. AHNW 100 or SSNW100).

* Social and Behavioral Science Elective course suggestions: SOC2310, SOC2550.

Additional Information:

Assumptions: college-level readiness in MATH (eligible to register for Calculus I) and ENG; no Foreign Language Deficiency (FLD)

Grade Restriction: Mechanical Engineering students are limited to a total of two D grades in ESC and MCE courses.

CSU requires a minimum of 120 total credit hours for graduation. At least 30 credits must be completed in-residence at CSU. At least 24 of the in-residence credits must be completed at the upper division (300/400) level. An overall total of 42 upper division (300/400) level credits are required. Students deficient in total credits or in-residence credits must take additional elective credits to meet the minimum requirements.

Depending upon other elective choices made, students may not need as many general electives as indicated above, or may need additional electives.

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