



**Pre-Engineering Industrial Focus (PRE.EGR.AAS)
Full Time - Fall Start
2021-2022**

****Students should meet with an OCC counselor before attempting this plan of study****

YEAR 1 - FALL	
COURSES	# CREDITS
MAT-1730 Calculus I	4
PHY-2400 Engineering Physics I	5
ENG-1510 Composition I	3
CHE-1510 General Chemistry I	4
TOTAL CREDITS:	16

YEAR 2 - FALL	
COURSES	# CREDITS
MAT-2740 Calculus III	4
Gen Ed Fine Arts/Humanities	6
Gen Ed Social Science	3
*ROB-2040 Programmable Controller Applications	4
TOTAL CREDITS:	17

MILESTONE: Make an appointment to meet with a Counselor to apply for graduation for this degree.

YEAR 1 - WINTER	
COURSES	# CREDITS
MAT-1740 Calculus II	4
PHY-2500 Engineering Physics II	5
ENG-1520 Composition II OR ENG-2200 Professional Communication	3
EGR-2010 Engineering Programming	4
TOTAL CREDITS:	16

YEAR 2 - WINTER	
COURSES	# CREDITS
MAT-2810 Differential Equations	4
*MAT-1580 Statistics	4
*ROB-2140 Advanced Programmable Controller Applications	4
*CAD-1201 Introduction to Engineering Graphics	4
Gen Ed Social Science	3
TOTAL CREDITS:	15

** Select 3 of the 4 courses*

TOTAL CREDITS FOR PROGRAM: 64

Note:

To receive MTA endorsement, students must fulfill the requirements noted for each MTA category and successfully complete at least 30 credits. All coursework used to fulfill MTA requirements must be completed with a grade of 2.0 or higher in EACH course.