PROGRAM OF STUDY

Engineering Associate in Science Degree

Students will be prepared for engineering internship opportunities or entry-level industrial jobs, with skills in such areas as computer drafting, solid modeling, engineering design, and problem solving. In addition, students will prepare for transfer into four-year engineering programs, learning the fundamentals of physics, chemistry and engineering.

Required courses - 12 units		**Units**
PHYS4A	Physics for Scientists and Engineers	4
PHYS4B	Physics for Scientists and Engineers	4
PHYS4C	Physics for Scientists and Engineers	4

Select one course - 4-5 units		**Units**
CHEM1A	General Chemistry	5
CHEM3A	Introductory General Chemistry	4

Select one course		**Units**
ENGR10	Introduction to Engineering	2
INTDS100	STEM Projects	2
INTDS101	STEM Careers	2
INTDS102	STEM Education	2
INTDS103	Technological Advances in STEM	2

Select one course - 4 units		**Units**
ENGR2	Engineering Graphics	4
ENGR40	Programming for Scientists and Engineers	4

Select one course from ENGR 6, 8 or two courses from ENGR 4 and 4L - 3-4 units		**Units**
ENGR6	Electric Circuit Analysis with Lab	4
ENGR8	Statics	3
ENGR4	Engineering Materials	3
	and	
ENGR4L	Engineering Materials Laboratory	1

Total Units	**25 - 27**

Effective Term: Fall 2015