

The Associate in Applied Science (AAS) in Engineering Technology provides its graduates skills required to obtain employment as entry-level engineering technicians. Students are provided with the fundamentals of physics, engineering, computer hardware, programming, engineering design fundamentals, and computer software program usage. A solid foundation in mathematics, science, communication skills, humanities, and social sciences provides a well-rounded curriculum.

Students are responsible for proper selection of courses and admission to University and professional programs.

Name	SID	Engineering 66-76 Credits Major code: 3228 Effective First Year/Term: 2010 Spring
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I. GENERAL EDUCATION CORE (9-12 Credits)				II. GENERAL EDUCATION DISTRIBUTION (6 Credits)					
(Must earn a grade of "C" or higher)				CRS	GR	SEM	CRS	GR	SEM
FIRST-YEAR COMPOSITION							HUMANITIES AND FINE ARTS		
ENG101 OR ENG107			3				3		
ENG102 OR ENG108			3						
ORAL COMMUNICATION							SOCIAL AND BEHAVIORAL SCIENCES		
			3				3		
CRITICAL READING							NATURAL SCIENCES		
CRE101, CRE111 OR TEST EXEMPT			0-3				0		
MATHEMATICS							Met by PHY115 OR PHY121 in Required Courses		
Met by any MAT course in Required Courses			0			COMMENTS:			

III. PROGRAM PREREQUISITES (8-10 Credits)		CRS	GR	SEM
MAT122	Intermediate Algebra	3		
MAT151	College Algebra/Functions (4) AND			
MAT182	Plane Trigonometry (3) OR			
MAT187	Precalculus (5)	5-7		

IV. REQUIRED COURSES (38-46 Credits)				CRS	GR	SEM	CRS	GR	SEM	
ECE102	Eng. Tools & Techqs (2) OR						MAT276	Modern Differential Equations (4) OR		
ECE102AA	Eng. Tools & Techqs	2					MAT277	Modern Differential Equations (3)	3-4	
ECE103	Eng. Prob Solv & Design (2) OR						CSC100	Intro Comp Sci/Non-Comp Mjrs (3) OR		
ECE103AB	Eng. Prob Solv & Design (2)	2					CSC100AA	Intro Comp Sci/Non-Comp Mjrs (4) OR		
CSC/EEE1	Digital Design Fundmntls (4) OR						CSC100AB	Intro Comp Sci/Non-Comp Mjrs (4) OR		
CAD145	Survey of CAD (3)	3-4					CSC110	Intro Comp Sci/Non-Comp Mjrs (3) OR		
MAT220	Calc w/Analytic Gmtry I (5) OR						CSC110AB	Intro Comp Sci/Non-Comp Mjrs (4)	3-4	
MAT221	Calc w/Analytic Gmtry I (4)	4-5					PHY115	University Physics I (5) OR		
MAT230	Calc w/Analytic Gmtry II (5) OR						PHY121	University Physics I: Mechanics (4)	4-5	
MAT231	Calc w/Analytic Gmtry II (4)	4-5					PHY116	University Physics II (5) OR		
MAT240	Calc w/Analytic Gmtry III (5) OR						PHY131	Univ Physics II: Electrcy & Mgntsm (4)	4-5	
MAT241	Calc w/Analytic Gmtry III (4)	4-5								
EEE202	Circuits and Devices	5								

V. RESTRICTED ELECTIVES (10-12 Credits)				CRS	GR	SEM	CRS	GR	SEM	
BIO181	General Biology	4					ECE212	Engineering Mechanics-Dynamics	3	
CHM151	General Chemistry I Lec (3) AND						ECE214	Engineering Mechanics	4	
CHM151LL	General Chemistry I Lab (1)	4					ECE215	Mechanics of Materials	3	
CHM152	General Chemistry II Lec (3) AND						CSC/EEE230	Computer Org and Assembly Lang	4	
CHM152LL	General Chemistry II Lab (1)	4					GLG101	Intro to Geology I - Physical Lecture	3	
ECE111	Bioengineering Systems	3					MAT225	Elementary Linear Algebra	3	
ECE211	Engineering Mechanics-Statics	3					MAT227	Discrete Mathematical Structures	3	