Key

Carrer PAthway Academic Required Courses

Career Pathway Recommended Courses/Learner Activities Articulated Courses

Health and Science High School

Engineering - Project Lead the Way

This program of study should serve as a guide, along with other career planning materials, as you continue your career path.

1-year Certificate							lanning materials, as you c				
AAS Degree			Courses listed within this plan are only recommended coursework and should be individualized coursework to meet each								
University			learner's educational and career goals.								
Proposed Pathway	Course										
Education Levels	Grade	English / Language Arts	Math	Science	Social Studies / Sciences	Other Required Courses and Electives	Career Pathway Core Classes	Recommended Courses and/or Learning Activities	Degree or Diploma		
	Grade Level		PI	ROGRAM OF STUDY					•		
		English Language Arts 9		Physics	World Studies		Intro to Engineering Design	(OIT ENGR 101)			
	9	Arts 9	AGS 1			World Language					
	<u> </u>	English Language	AGGT	Chemistry	American Studies	World Language	Principles of Engineering	(OIT ENGR 102)			
		Arts 10		Officialistry	American otacies		Computer Lit 1				
	10		AGS 2			World Language			Diploma		
		English Language		Biology/Health	Social Studies		Digital Electronics	EET 121 (OIT ENGR 122)			
		Arts 11					Applied Engineering	MCH 282			
	11	English Language Arts 12 or	AGS 3	Post Secondary Prep -Additional		Art	Engineering Design &	MCH 291 (OIT ENGR 121)			
нѕ	12	Humanities	Pre-Calculus	Year or semester of	Economics	Film	Development				
110	TERM			ROGRAM OF STUDY	,	1 11111		Certificates/Degrees/Occupations			
	721(11)		PROGRAM OF STUDY					Cortificates/Begrees/e	Joupations		
	FIRST TERM	WR 121 English Composition	EET 101 Introduction to Electroic Testing Equipment/Solderi ng/Tools	EET 111 Electrical Ciruit Analysis I	EET 121 Digital Systems 1	MTH 111 College Algebra		1-year Certific	ate		
	SECOND TERM	EET 122 Digital Systems 2: Computing Systems		MTH 112 Elementary Functions				Minimum 54 credits Electronic Engineering Technology (EET) is concerned with the theory and practice of applied electronics engineering. Emphasis is placed on the practical application of engineering knowledge. To apply electronics engineering knowledge requires a thorough background in mathematics and science EET graduates possess a combination of theoretical and practical understanding and require minimal or the-job training to become productive			
	THIRD TERM	EET 113 Electrical Power	EET 123 Digital Systems: Mixed-Signal Systems	EET 178 Comuting Environments for Technicians	EET 188 Industrial Safety						
PCC	FOURTH TERM										
	TERM		PI	ROGRAM OF STUDY			TERM	Certificates/Degrees/O	ccupations		
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	FIRST TERM	EET 101 Intro to Electronic Testing Equipment/Solderin g/Tools		EET 121 Digital Systems 1	EET 188 Industrial Safety	MTH 111 College Algebra	Associate of Applied Science
	SECOND TERM	EET 112 Electrical Circuit Analysis II	EET 122 Digital Systems 2: Computing Systems	MTH 112 Elementary Functions			Minimum 96 credits Graduates of an Associate of Applied Science Degree program in EET are called electronic engineering technicians and find employment in circuits and systems testing, product development,
	THIRD TERM	EET 113 Electrical Power	EET 123 Digital Systems: Mixed-Signal Systems	EET 178 Comuting Environments for Technicians			prototype construction and testing, circuit and systems medication, systems operation and manufacturing. EET graduates are expected to have good communication skills and be capable of creative problem solving, working independently and
	FOURTH TERM	EET 221 Semiconductor Devices and Circuits	EET 242 Microcontroller and Embedded Systems	PHY 201 General Physics			in teams. They should have extensive knowledge of both the hardware and software of electronic systems. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science
	FIFTH TERM	EET 222 Operational Amplifier Circuits	EET 241 Programming for Electronics	EET 254 Electronic Engineering Technology Seminar	PHY 202 General Physics		Requirements. Students must complete a total of sixteen credits of General Education. Some courses specified within the program may be used as General Education. Math/computation competency is met through the math course(s) required in the program
PCC	SIXTH TERM	EET 223 RF Communications Circuits	EET 256 Capstone Project or EET 280A Internship	EET 272 Motors and Motor Controls	EET273 Electronic Control Systems	PHY 203 General Physics	of study. Students should consult with program advisors for course planning.
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