

TEMASEK POLYTECHNIC DIPLOMA IN AEROSPACE ELECTRONICS	WICHITA STATE UNIVERSITY
Level 1	
EEE 1003: Digital Fundamentals 1	CS 194: Introduction to Digital Design
EEE 1001: Circuit Analysis AND EAE 1002: Electrical Fundamentals	EE 282: Circuits I
EMA 1001: Engineering Mathematics 1	MATH 112: Precalculus Mathematics
EAE 1004: Fundamentals of Aeronautical Science	Free elective
ECS 1004: Introduction to Effective Communication	ENGL 102: College English II *must validate with English Exit Exam 102
ECS 1003: Writing and Oral Presentation	ENGL 101: College English I *must validate with English Exit Exam 101
GCD 1001: Applied Principles for Effective Living 1	Free elective
EEE 1004: Digital Fundamentals 2	Free elective
EEE 1002: Electronic Devices and Circuits	EE 492: Electronic Circuits I
EMA 1002: Engineering Mathematics 2	MATH 242: Calculus I
EAE 3009: Basic Aerodynamics	AE 324: Fundamentals of Atmospheric Flight
EAE 2002: Aviation Legislation and Human Factors	Free elective
EPL 1003: Problem-Solving and Process Skills	Free elective
Level 2	
EMC 2001: Microcontroller Technology	Free elective
EAE 1002: Electrical Fundamentals AND EEE 1001: Circuit Analysis	EE 282: Circuits I
EAE 1003: Electronic Fundamentals and Systems	Free elective
ECC 1002: Networking Fundamentals	CS 464: Computer Networks
EMA 2001: Engineering Mathematics 3	MATH 555: Differential Equations I
ECS 2003: Organisational Communication	Under evaluation
GCD 1002: Applied Principles for Effective Living 2	Free elective
EMP 3001: Major Project	Free elective
ESI 2001: Student Internship Program	Free elective
Level 3	
ECT 2001: Circuits and Control Systems	EE 684: Introductory Control Systems Concepts
EAE 3010: Electrical Power and Onboard Systems	Free elective
EAE 3007: Propulsion and Instrument Systems	Free elective
EAE 3006: Radio Fundamentals and Navigation Systems	Free elective
ECS 3002: Career Communication	ENGL 210: Composition: Business, Professional and Technical Writing
GCD 1003: Applied Principles for Effective Living 3	Free elective
EAE 3011: Aircraft Structures and Flight Control	Free elective
EAE 3012: Aircraft Test and Measurement	Free elective

EAE 3014: Lean Processes	Free elective
EAE 3013: Higher Aerospace Training	Free elective
Special Electives	
EED 3009: Special Project 1	Free elective
EED 3010: Special Project 2	Free elective
EED 3011: Higher Engineering Skills 1	Free elective
EED 3012: Higher Engineering Skills 2	Free elective
EMA 3001: Higher Engineering Maths	MATH 243: Calculus II

Last updated: October 22, 2013