

TEMASEK POLYTECHNIC DIPLOMA IN AEROSPACE ENGINEERING	WICHITA STATE UNIVERSITY
Level 1.1	
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
EDR 1003: Engineering Drawing	IME 222: Engineering Graphics
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
Level 1.2	
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
EME 1002: Statics and Strength of Materials	AE 223: Statics
EAE 1005: Engineering Design	Under evaluation
EAE 2001: Aerospace Physics	Free elective
Level 2.1	
EAE 1002: Electrical Fundamentals AND EEE 1001: Circuit Analysis	EE 282: Circuits I
EAE 1003: Electronic Fundamentals and Systems	Free elective
EMA 2001: Engineering Mathematics 3	MATH 555: Differential Equations I
EME 2008: Principles of Dynamics	AE 373: Dynamics
EPL 1003: Problem-Solving and Process Skills	Free elective
ECS 2003: Organisational Communication	Under evaluation
GCD 1002: Applied Principles for Effective Living 2	Free elective
Level 2.2	
EMC 2001: Microcontroller Technology	Free elective
EAE 3009: Basic Aerodynamics	AE 324: Fundamentals of Atmospheric Flight
EME 2006: Engineering Materials	Under evaluation
EAE 3008: Gas Turbine Engine	Free elective
EAE 2002: Aviation Legislation and Human Factors	Free elective
GCD 1003: Applied Principles for Effective Living 3	Free elective
Level 3.1	
EMP 3001: Major Project	Free elective
ESI 2001: Student Internship Programme	Free elective

Level 3.2	
ECS 3002: Career Communication	ENGL 210: Composition: Business, Professional and Technical Writing
EAE 3014: Lean Processes	Free elective
EAE 3015: Aircraft Structures and Composites	Free elective
EAE 3016: Aircraft Aerodynamics and Systems	Free elective
EAE 3013: Higher Aerospace Training	Free elective

Last updated: October 22, 2013