TEMASEK POLYTECHNIC DIPLOMA IN COMPUTER ENGINEERING	WICHITA STATE UNIVERSITY
Level 1	
EEE 1003: Digital Fundamentals 1	CS 194: Introduction to Digital Design
EEE 1001: Circuit Analysis	Engineering elective
EED 1001: Electronic Prototyping	Free elective
EMA 1001: Engineering Mathematics 1	MATH 112: Precalculus Mathematics
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
EED 1002: Printed Circuit Board Design	Free elective
ESE 1005: Computer Programming	Free elective
EMA 1002: Engineering Mathematics 2	MATH 242: Calculus I
EPL 1003: Problem-Solving and Process Skills	Free elective
Level 2	
EMC 2001: Microcontroller Technology	Free elective
ESE 2004: Object Oriented Programming	CS 411: Object-Oriented Programming
EMC 2005: Computer Interfacing	Free elective
EMA 2001: Engineering Mathematics 3	MATH 555: Differential Equations I
ECC 1002: Networking Fundamentals	CS 464: Computer Networks
GCD 1002: Applied Principles for Effective Living 2	Free elective
EMC 3002: Embedded Control and Applications	Free elective
ECC 3004: Enterprise Web Application	Free elective
ESE 3001: Database Management System and Design	Free elective
EMC 3004: Data Acquisition Systems	Free elective
ECS 2003: Organisational Communication	Under evaluation
Level 3	
EMP 3001: Major Project	Free elective
ESI 2001: Student Internship Program	Free elective
ESE 3009: Computer Architecture and Operating 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
ESE 3007: Computer Game Programming	Free elective
ECC 2011: Network Security Fundamentals	Free elective
ECC 2007: Networking Infrastructure	Free elective
ESE 3006: ASP .NET Web Programming	Under evaluation

Last updated: October 22, 2013