NGEE ANN POLYTECHNIC - DIPLOMA IN MECHANICAL ENGINEERING	WICHITA STATE UNIVERSITY
Advanced Machine Shop Practice	Free elective
Advanced Manufacturing Technology Theory and Practice	MFGE 258: Manufacturing Methods and Materials I
AND	
Basic Manufacturing Theory and Practice A	
AND	
Basic Manufacturing Theory and Practice B	
Air-Conditioning and Cleanroom Technology	Free elective
Air-Conditioning and Refrigeration	Free elective
Applied Mechanics - Statics	PHYS 313Q: University Physics I
AND	AND
Basic Thermofluid	PHYS 315Q: University Physics Lab I
Applied Mechanics - Dynamics	Free elective
Applied Mechanics 2	A E 223: Statics
Applied Mechanics I	PHYS 313Q: University Physics I
AND	
Basic Thermodynamics	
AND	
Fluid Mechanics	
Applied Thermodynamics	M E 398: Thermodynamics I

Automation and Robotics Technology	Free elective
Communication Skills P1	COMM 111: Public Speaking
AND	
Communication Skills P2	
Computer Aided Design	I EN 222: Engineering Graphics
Computer Aided Manufacturing	Free elective
Computer Control of Automated Systems	Free elective
Computer Programming	C S 210: Introduction to Computer Science
Creative and Applied Thinking Skills	Free elective
Creative Design	Free elective
Creativity and Innovation	Free elective
Electrical Technology	Free elective
Electronics and Automation Technology	Free elective
Electronics and Drives	Free elective
Electrotechnology I	Free elective
E-Manufacturing	Free elective
Energy System Management	Free elective
Engineering Design	M E 339: Design of Machinery
Engineering Drawing and CAD	Free elective
Engineering Drawing and Design	Free elective
Engineering Materials 1	Free elective
Engineering Materials 2	M E 250: Materials Engineering
Engineering Mathematics 1	College Algebra

Engineering Mathematics 2	MATH 242Q: Calculus I
Engineering Mathematics 3	MATH 555: Differential Equations I
Engineering Mathematics 4	MATH 243: Calculus II
Engineering Maths 1A and Computer Programming 1A	MATH 112: Precalculus Mathematics
Engineering Maths 1B and Computer Programming 1B	MATH 242Q: Calculus I
Engineering System Design	Free elective
English and Technical Writing 1	No credit
English and Technical Writing 2	No credit
EPP Project 1	Free elective
Individual and Community	Free elective
Industrial Attachment Programme	Free elective
Industrial Automation 1	Mechanical Engineering elective
AND	
Industrial Automation 2	
Industrial Management	MGMT 360: Management and Organizational Behavior
Information Technology Applications	ACCT 260: Information Processing Systems
Instrumentation and Control	Free elective
Instrumentation and Control	Free elective
Manufacturing Planning and Control	Free elective
Manufacturing Technology and Materials	MFGE 258: Manufacturing Methods and Materials I
AND	Wide las 1
Workshop Technology and Materials	

Materials and Manufacturing Technology A	Free elective
Materials and Manufacturing Technology B	Free elective
Mechanics of Machines and Materials	A E 333: Mechanics of Materials
Micro Electro Mechanics Systems (MEMS)	Free elective
Operations Planning and Control	Free elective
Oral Communication	COMM 111: Public Speaking
Oral Presentation and Job-Hunting Skills	No credit
Photonics	Free elective
Physical Education	Free elective
Precision Engineering	Free elective
Product Design and Tooling Engineering	Free elective
Productivity and Quality Studies	Free elective
Productivity Quality and Social Values	Business elective
Programming for Engineering Application	C S 212: Pascal Programming Language
Project 1	Free elective
Project 2	Free elective
Project Management	Free elective
Project Report Writing	Free elective
Robotic Technology	I EN 670: Industrial Robotics
Social and Community Values 1	Free elective
Social and Community Values 2	Free elective
Sports and Wellness	Free elective

Strength of Materials	Free elective
Supervisory Management	MGMT 360: Management and Organizational Behavior
Thermodynamics	M E 398: Thermodynamics I
Understanding Writing for Academic Application	No credit
Vacation Training Programme	Free elective

Last Updated: July 20, 2004