



Bachelor of Science in Engineering Technology (BSET)
Mechanical Engineering Technology
2007 – 2009

MAJOR REQUIREMENTS

Technical Sciences

MECET 121	Engineering Graphics I	3	___
MECET 220	Statics or		
PHYS 220	Eng. Mech I – Statics	3	___
MECET 226	Computer Aided Design	3	___
MFGET 263	Manufacturing Methods I (See Gen. Ed.)		
MFGET 268	Manufacturing Methods I Lab	1	___
MFGET 296	Mat'ls in Industry	3	___
MECET 323	Adv. Eng. Graphics	3	___
EET 340	Intro to Industrial Automation	3	___
MECET 420	Kinematics	2	___
MECET 423	Mechanics of Mats	3	___
MECET 424	Mech. Of Mat'l's Lab	1	___
ETECH 502	Engineering Economy	3	___
PHYS 514	Applied Thermodynamics	3	___
MECET 523	Mechanical Design I	3	___
MECET 524	Fluid Mechanics	3	___
MECET 525	Fluid Mechanics Lab	1	___
MFGET 666	Mfg & Design Project I	1	___
MFGET 669	Mfg & Design Project II	2	___

Technical Specialties (Choose an emphasis):

Emphasis I – Design:

PHYS 522	Eng. Mech II – Dynamics	3	___
MECET 528	Computer Modeling	3	___
MECET 623	Mechanical Design II	3	___
MECET 682	Heat Transfer	3	___

Emphasis II – Manufacturing:

MFGET 267	Manufacturing Methods II	3	___
MFGET 363	Prin. Of Tool Design	3	___
MFGET 569	Casting Design and Simulation	3	___
MFGET 661	Comp. Aided Manufacturing	3	___

Emphasis III – Electromechanical:

EET 141	Introductory Electronics	3	___
EET 448	Network Systems	3	___
EET 546	Electronic Controls	3	___
EET 649	Advanced PLC	3	___

Support Courses

PHYS 101	College Physics II or		
#PHYS 105	Eng. Physics II	4	___
PHYS 131	Elem. Physics Lab II	1	___
MATH 122	Plane Trigonometry	3	___
CHEM 215	General Chemistry	3	___
CHEM 216	General Chemistry Lab	2	___
MATH 150	Calculus I	5	___
MATH 155	Calculus II	5	___
ENGL 301	Technical/Prof Writing	3	___
CSIS 230	Visual Basic.Net Programming or		
CSIS 240	“C” Programming	3	___

Preferred

Approved Technical Electives 10___

GENERAL EDUCATION

HOURS

Basic Skills (12 hours)

ENGL 101	English Composition	3	___
ENGL 299	Introduction to Research Writing	3	___
MATH 113	College Algebra	3	___
COMM 207	Speech Communication	3	___

Sciences (9 hours)

Natural Sciences			
BIOL 113	Environmental Life Science	4	___
Physical Sciences			
PHYS 100	College Physics I or		
#PHYS 104	Engineering Physics I	4	___
PHYS 130	Elementary Physics Lab I	1	___

Preferred

Social Studies (3 hours)

SOC 100	Introduction to Sociology or	3	___
Other approved Social Studies course			

Health and Well Being (4 hours)

Psychological			
PSYCH 155	General Psychology	3	___
Physical			
HHP 150	Lifetime Fitness Concepts or	1	___
Other approved Physical Health and Well Being course			

Producing and Consuming (5 hours)

Technology			
MFGET 263	Manufacturing Methods I	2	___
Economy/Business			
MGMKT 101	Introduction to Business		
ECON 191	Issues in Today's Society		
ECON 200	Microeconomics or 201 Macroeconomics		
ACCTG 201	Financial Accounting	3	___

Political Studies, Human Heritage, or

Fine Arts and Aesthetic Studies, Cultural Studies (3 hours)

PHIL 105	Ethics or	3	___
Other approved Political Studies, Fine Arts and Aesthetic Studies, or Human Heritage course			

General Education	36	___
Technical Sciences	41	___
Technical Specialties	12	___
Support Courses	29	___
Technical Electives	10	___

TOTAL 128 hours

**Modified 04-06-07

NOTE: The information contained herein is intended for the use of planning of a student's academic program and does not replace the university catalog.