

Engineering Technology
Bachelor of Science in Engineering Technology (B.S.E.T.) <039T>
Mechanical Area of Emphasis [ET14]
 Catalog Year 2016-17

Fifth Semester				Sixth Semester			
DRET	314	Computer Graphics	3.00	GEF	7	Global Studies and Diversity	3.00
ENGL	305	Technical Writing	3.00	GNET	308	Adv. Computer Apps, or MANG 386, or MATH 261, or MATH 300-level (+)	3.00
GNET	412	Project Management	3.00	INDT	308	Automated Manufacturing	3.00
MATH	315	Advanced Technical Math	4.00	INDT	354	Industrial Materials ⁽⁶⁾	3.00
MEET	316	Dynamics ⁽⁴⁾	3.00	MEET	435	Energy Conversion Systems	3.00
			16.00				15.00
Seventh Semester				Eighth Semester			
GEF	6	The Arts and Creativity	3.00	GEF	4	Society and Connections	3.00
GNET	410	"C" Programming for Tech	3.00	GEF	5	Human Inquiry and the Past	3.00
INDT	302	Industrial Safety	3.00	GNET	489	Senior Seminar & Project ⁽³⁾	2.00
			3.00	INDT	410	Plant & Equipment Maintenance	3.00
			3.00				3.00
			15.00				17.00
Total hours necessary to earn degree =			63.00				

Notes: ⁽¹⁾ All requirements of the General Education Foundations curriculum must be met. Some of these requirements are normally satisfied by courses taken for the AS degree.

⁽²⁾ To be approved by advisor. The student's overall program, must include a sequence of courses in at least three of the following areas: manufacturing processes, mechanical design, engineering materials, solid mechanics, fluid mechanics, electro-mechanical devices and controls or industrial operations. MAE courses may be taken with the approval of both of the Advisor and the Chair of Mechanical Engineering, if prerequisites are met. A minimum of 40 semester hours of upper division courses is required.

⁽³⁾ Capstone Course.

⁽⁴⁾ MAE 112 - Dynamics may be substituted.

⁽⁵⁾ To be approved by advisor and department chair. The Open Elective course may be a technical speciality course.

⁽⁶⁾ MAE 420 - Materials Engineering may be substituted.

REMARK: Students choosing to double major in B.S.E.T. programs must have at least 18 hours of different course work between the two programs.