

Mechanical Engineering Technology

Associate of Applied Science in Mechanical Engineering Technology–MET2

The Mechanical Engineering Technology Program is designed to provide the student with a foundation of theoretical and practical knowledge of engineering technology and the applied skills necessary to begin careers in industry or to transfer to a university program. This program provides a learning environment where students can interact with state-of-the-art technological equipment and software and gain experience in the application of computer aided-drafting and design software to create, design, and analyze mechanical systems. Students pursuing the Certificate of Completion or the AAS in Mechanical Engineering Technology will be prepared for entry-level employment and transfer to a university program. Students pursuing the AS in Mechanical Engineering Technology will be prepared for university transfer with maximum hours transferring. All students will be prepared for life-long learning in the engineering technology field.

FIRST SEMESTER		SCH
— ----	---- Social/Behavioral Science	3
— DFTG 1409	Basic Computer - Aided Drafting	4
— ENGR 1304	Engineering Design Graphics	
	or	
— DFTG 1405	Technical Drafting	3/4
— TECM 1349	Technical Math Applications*	3
— ENGT 2310	Introduction to Manufacturing Processes	3
— ENTC 1191	Special Topics in Engineering, General	1
		17/18
SECOND SEMESTER		
— DFTG 2419	Intermediate Computer - Aided Drafting	4
— DFTG 1433	Mechanical Drafting	4
— ENGL 1301	English Composition I	3
— MCHN 1452	Intermediate Machining I	4
— BMGT 1307	High Performance Work Teams	3
		18
THIRD SEMESTER		
— CETT 1302	Electricity Principals	3
— ----	---- Humanities/Fine Arts	3
— INMT 1371	Introduction to Digital Manufacturing	3
— DFTG 2432	Advanced CAD	4
— PHYS 1405	General Physics	4
		17
FOURTH SEMESTER		
—●INMT 2488	Internship - Manufacturing Technology	4
— ENGT 2307	Engineering Materials I	3
— ENTC 1343	Statics	3
— ----	---- Oral Communications	3
— DFTG 2435	Advanced Technologies in Mechanical Design & Drafting	4
		17
Total Semester Credit Hours for Degree		69/70

* Students must check with transfer university to determine Physics/Math requirements. MATH 1414 College Algebra or higher may be substituted for TECM 1349.

Associate of Science in Mechanical Engineering Technology–ME3

FIRST SEMESTER		SCH
— ENGL 1301	English Composition I	3
— MATH 2413	Calculus I	4
— ENGR 1304	Engineering Design Graphics	3
— COSC 1301	Microcomputer Applications	3
— GOVT 2301	American Government I	3
		16
SECOND SEMESTER		
— ENGL 1302	English Composition II	3
— MATH 2414	Calculus II	4
— GOVT 2302	American Government II	3
— ENGT 2307	Engineering Materials I	3
— CHEM 1411	General Chemistry I	4
		17
THIRD SEMESTER		
— ----	---- Communications: Other	3
— PHYS 1401	College Physics I	
	or	
— PHYS 2425	Mechanics & Heat	4
— ENGT 2310	Introduction to Manufacturing Processes	3
— HIST ----	Social/Behavioral Science: History	3
— ----	---- Humanities: Visual/Performing Arts	3
		16
FOURTH SEMESTER		
— ENGL 2311	Technical & Business Writing	3
— PHYS 1402	College Physics II	
	or	
— PHYS 2426	Electricity, Optics, and Waves	4
— ----	---- Humanities: Other	3
— HIST ----	Social/Behavioral Science: History	3
— ----	---- Social/Behavioral Science: Other	3
— KINE ----	Health, Wellness & Kinesiology	1
		17
Total Semester Credit Hours for Degree		66
Certificate of Completion in Mechanical Engineering Technology–MET1		
FIRST SEMESTER		SCH
— ENTC 1191	Special Topics in Engineering/General	1
— ENGR 1304	Engineering Design Graphics	
	or	
— DFTG 1405	Technical Drafting	3/4
— DFTG 1409	Basic Computer - Aided Drafting	4
— ENGT 2310	Introduction to Manufacturing Processes	3
— MCHN 1452	Intermediate Machining I	4
		15/16
SECOND SEMESTER		
—●INMT 2488	Internship - Manufacturing Technology/Tech	4
— ENGT 2307	Engineering Materials I	3
— DFTG 2419	Intermediate Computer - Aided Drafting	4
— DFTG 1433	Mechanical Drafting	4
— INMT 1371	Introduction to Digital Manufacturing	3
		18
Total Semester Credit Hours for Certificate		33/34