

Manufacturing Engineering Technology

Associate of Applied Science in Manufacturing Engineering Technology–MAET2

The Manufacturing Engineering Technology MET program is a broad-based general science degree designed to prepare students for careers in the chemical processing industry, manufacturing, and advanced technology. The Manufacturing Engineering Technology MET program is a popular option found at fourteen universities in the State of Texas. Graduates from the Manufacturing Engineering Technology MET AAS program would have five optional; (1) transfer to a 4-year engineering program, (2) transfer to a 4-year engineering technology program, (3) seek employment as an engineering technician, (4) seek employment as a process technician, research technician, laboratory technician or (5) transfer to a 4-year school offering a BS in Technology. Graduates from this program will have a solid foundation in mathematics, physics, and chemistry combined with a good understanding of the equipment and technology associated with the operation of the manufacturing industry. Optional career paths could include chemistry, safety, pharmaceuticals, power generation, or engineering. The program will comply with the American Chemical Society's voluntary standards and with the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology in Engineering Technology.

FIRST SEMESTER				SCH
—	PTAC	1410	Process Technology I: Equipment	4
—	MATH	1414	College Algebra	4
—	PTAC	1308	Safety, Health & Environment I	3
—	ENGL	1301	English Composition I	3
				14
SECOND SEMESTER				
—	PTAC	1332	Process Instrumentation I	3
—	CHEM	1411	General Chemistry I	4
—	PHYS	----	Physics Selection	4
—	PTAC	2314	Principles of Quality	3
—	----	----	Elective	3
				17
THIRD SEMESTER				
—	----	----	Social/Behavioral Science	3
—	PTAC	2438	Process Technology III: Operations	4
—	MATH	2413	Calculus I with Analytic Geometry	
				or
—	SCIT	1414	Applied General Chemistry I	4
—	PTAC	2420	Process Technology II Systems	4
				15
FOURTH SEMESTER				
—	ENGT	2310	Introduction to Manufacturing Processes	3
—	----	----	Oral Communication	3
—	PTAC	2446	Process Troubleshooting*	4
—	----	----	Humanities: Fine Arts	3
—	----	----	Elective	3
				16
Total Semester Credit Hours for Degree				62

* PTAC 2446 will satisfy Computer Literacy Core.