

MECHANICAL ENGINEERING		(Major)	ASSOCIATE OF SCIENCE		(Degree)
<b>PROGRAM REQUIREMENTS</b>					
SEMESTER & COURSES		CREDIT HOURS	SEMESTER & COURSES		CREDIT HOURS
<i>Semester 1 (Fall)</i>			<i>Semester 2 (Spring)</i>		
English 1010: Composition I		3	English 1020: Composition II		3
MATH 1910: Calculus I		4	PHYS 2110: Calculus-based Physics I		4
Humanities/Fine Arts		3	MATH 1920: Calculus II		4
CHEM 1110: General Chemistry I		4	Humanities/Fine Arts		3
History		3	History		3
<b>Subtotal Semester 1</b>		<b>17</b>	<b>Subtotal Semester 2</b>		<b>1</b>
<i>Semester 3 (Fall)</i>			<i>Semester 4 (Spring)</i>		
ENGR 2110: Statics		3	Social/Behavioral Science		3
Speech		3	ENGR 2120: Dynamics		3
MATH 2110: Calculus III		3	Literature		3
Social/Behavioral Science		3	MATH 2120: Differential Equations		3
PHYS 2120: Calculus-based Physics II		4	MATH 2010: Linear/Matrix Algebra		3
<b>Subtotal Semester 3</b>		<b>17</b>	<b>Subtotal Semester 4</b>		<b>15</b>
			<b>Total Credit Hours</b>		<b>60</b>
<b>NOTES:</b>					
This pathway also transfers into the Mechatronics Engineering program at MTSU.					
Students are strongly encouraged to take a course in Mechanics of Materials, also known as Strength of Materials, before transferring to a university.					
Courses in engineering technology do not fulfill any of the requirements for the Area of Emphasis in Mechanical Engineering.					
Although it is possible to complete the B.S. Degree in Mechanical Engineering in four semesters after earning the associate's degree, students typically need five or six semesters to complete requirements.					