

<b>Engineering Core</b> 10 Courses			<b>Mathematics</b> 5 courses			<b>Health &amp; Physical Education</b> 3 credits		
GE101	Engineering Orientation	4	MTH251	Differential Calculus	5	Credits: _____		
GE115	Engineering Graphics (for Civil Engineering) <b>or</b> ENGR248 Engineering Graphics: Solidworks (for Mechanical Engineering)	3	MTH252	Integral Calculus	5	Credits: _____		
GE102	Engineering Computations	3	MTH254	Vector Calculus	5	Credits: _____		
ENGR211	Statics	4	MTH256	Differential Equations	5	Credits: _____		
ENGR212	Dynamics	4	MTH261	Linear Algebra	4	3 credit hours of PE185 may be granted toward an Associate degree at MHCC for completion of military basic training. A copy of the DD214 form or Joint Services Transcript is required.		
ENGR213	Strength of Materials	4	<b>Written Communication</b> 2 courses					
ET150	Plane Surveying (offered in fall, for Civil Engineering) <b>or</b> ENGR201 Electrical Fundamentals (offered in winter, for Mechanical Engineering)	4-5	WR121	English Composition ★	4			
PH211	General Physics with Calculus I	5	WR227	Technical Report Writing ★	4			
PH212	General Physics with Calculus II	5	Students who began the writing sequence prior to summer 2010 should contact an adviser as additional writing may be needed.					
PH213	General Physics with Calculus III	5						
<b>Science</b> 2 courses, minimum of 9 credits			<b>Arts &amp; Letters</b> 2 courses, minimum of 6 credits			<b>Social Science</b> 2 courses, minimum of 6 credits		
CH221	General Chemistry I	5	Credits: _____			Credits: _____		
CH222	General Chemistry II	5	Credits: _____			Credits: _____		
						<b>Oral Communication</b> 1 course – <i>COMM111 recommended</i>		
						Credits: _____		
						COMM100	Basic Speech Communication ★	3
						COMM111	Fundamentals of Public Speaking ★	4
						COMM114	Argument and Critical Discourse	3
						COMM115	Intercultural Communication ★	4
						COMM218	Interpersonal Communication ★	4
						COMM219	Small Group Communication	3

This degree guide is to be used for informational purposes only and is not an official record of student progress toward degree completion. Please note: Courses may not be repeated for credit unless specified in the course description.

For a complete list of course options in each category, please visit [catalog.mhcc.edu/degree-certificate-requirements/as-engineering](http://catalog.mhcc.edu/degree-certificate-requirements/as-engineering)

- To build an academic plan with your adviser, log on to [my.mhcc.edu](http://my.mhcc.edu), click on **Navigate**, then on **Planner**.
- Please verify university requirements at your chosen transfer school. To see how your MHCC credits may transfer to regional universities, visit [my.mhcc.edu](http://my.mhcc.edu), click on **Student Services**, then click on **Transferring to a University**.
- To check your official progress toward graduation, log on to MyMHCC and click **View My Degree Audit**.



★ denotes courses that are regularly offered online.