

Engineering Core 10 Courses			Mathematics 5 courses			Health & Physical Education 3 credits		
GE101	Engineering Orientation	4	MTH251	Differential Calculus	5	_____ Credits:_____		
GE115	Engineering Graphics (for Civil Engineering) <u>or</u> 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	Written Communication 2 courses					
ET150	Plane Surveying (offered in fall, for Civil Engineering) <u>or</u> 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						
Science 2 courses, minimum of 9 credits			Arts & Letters 2 courses, minimum of 6 credits			Social Science 2 courses, minimum of 6 credits		
CH221	General Chemistry I	5	_____ Credits:_____			_____ Credits:_____		
CH222	General Chemistry II	5	_____ Credits:_____			_____ Credits:_____		
						Oral Communication 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

- To build an academic plan with your adviser, log on to 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, 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.