

Associate of Science in Engineering (ASEN) Degree Worksheet

2019-20 Catalog

Engineering Core 10 Courses			Mathematics 6 courses			Health & Physical Education 3 credits		
GE101	Engineering Orientation	4	MTH251	Differential Calculus	5	_____ Credits:_____		
GE115	Engineering Graphics or ENGR248 Engineering Graphics: Solidworks	3	MTH252	Integral Calculus	5	_____ Credits:_____		
GE102	Engineering Computations	3	MTH299M	Multi-Variable Calculus (2) or MTH253 Calculus III (4)	2-4	_____ Credits:_____		
ENGR211	Statics	4	MTH254	Vector Calculus	5	<i>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.</i>		
ENGR212	Dynamics	4	MTH256	Differential Equations	5			
ENGR213	Strength of Materials	4	MTH261	Linear Algebra	4			
ENGR201	Electrical Fundamentals (5) or ET150 Plane Surveying (4)	4-5				Written Communication 2 courses		
PH211	General Physics with Calculus I	5				WR121	English Composition ★	4
PH212	General Physics with Calculus II	5				WR227	Technical Report Writing ★	4
PH213	General Physics with Calculus III	5				<i>Students who began the writing sequence prior to summer 2010 should contact an adviser as additional writing may be needed.</i>		
Science 2 courses			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 – COMM111 recommended		
						_____ 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 for Health & PE, Arts & Letters, and Social Science, please visit catalog.mhcc.edu/degree-certificate-requirements/as-engineering

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**.



★ denotes courses that are regularly offered online.