

AS in Engineering (ASEN) Degree Worksheet

2024-25 Catalog

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) or 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	<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>		
ENGR213	Strength of Materials	4	Written Communication 2 courses					
ET150	Plane Surveying (offered in fall, for Civil Engineering) or ENGR201 Electrical Fundamentals (offered in winter, for Mechanical Engineering)	4-5	WR121Z	Composition I ★	4			
PH211	General Physics with Calculus I	5	WR227Z	Technical Writing ★	4			
PH212	General Physics with Calculus II	5	<i>Students who began the writing sequence prior to summer 2010 should contact an adviser as additional writing may be needed.</i>					
PH213	General Physics with Calculus III	5						
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:_____		
<div style="border: 1px solid black; padding: 5px;"> 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. </div>			Oral Communication 1 course – COMM111 recommended			_____ Credits:_____		
			COMM100Z	Basic Speech Communication ★	4			
			COMM111Z	Fundamentals of Public Speaking ★	4			
			COMM114	Argument and Critical Discourse	3			
			COMM115	Intercultural Communication ★	4			
COMM218Z	Interpersonal Communication ★	4						
COMM219	Small Group Communication	3						

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

- 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.

First Term	Second Term	Third Term	Fourth Term
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Fifth Term	Sixth Term	Seventh Term	Eighth Term
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Ninth Term	Tenth Term	Eleventh Term	Twelfth Term
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____
Credits: _____	Credits: _____	Credits: _____	Credits: _____

The number of terms it takes to complete a degree will depend on how many credits are taken per term, as well as if any prerequisite courses must be taken.

Attendance status	Credits per term	Terms Required	Years Required
Full time	12 +	6 to 7 terms	About 2 years
$\frac{3}{4}$ time	9 to 11	8 to 10 terms	About 3 years
Part time	6 to 8	11 to 13 terms	About 4 years

★ denotes courses that are regularly offered online.