



**Engineering Science**  
**Associate in Science Degree**  
**College of Technology Transfer-Oriented Program**  
**GRADUATION CHECKLIST**

**2018-19**  
**CATALOG**

This program is a College of Technology Transfer-Oriented Degree that is intended to be completed before you continue your education at the baccalaureate level. Individual articulation agreements may exist with specific universities so that your degree is completely accepted with all credits transferring. Please check with your Academic Advisor to ensure you enroll in the appropriate courses to ensure seamless transfer to your intended transfer institution.

Category	Course	Cr	Semester Taken	Grade
<b>First Semester (Fall) – 17 credits</b>				
Program Requirement	EGR*111: Introduction to Engineering	3		
<b>Gen Ed: Historical Knowledge</b>	HIS*101: Western Civilization I <b>OR</b> HIS*102: Western Civilization II	3		
<b>Gen Ed: Quantitative Reasoning</b>	MAT* 254: Calculus I	4		
<b>Gen Ed: Written Communication</b>	ENG*101(E): Composition	3		
<b>Gen Ed: Scientific Knowledge &amp; Understanding</b>	CHE*121: General Chemistry I	4		
<b>Second Semester (Spring) – 17-18 credits</b>				
Program Requirement	EGR*221: Intro to Electric Circuit Analysis	4		
Program Requirement	MAT*256: Calculus II	4		
<b>Gen Ed: Written Communication</b>	ENG* 102: Composition and Literature	3		
Program Requirement	PHL*111: Ethics	3		
<b>Gen Ed: Social Phenomena</b> <b>OR Program Requirement<sup>1</sup></b>	<b>TRACK A:</b> Social Phenomena Elective, <b>OR</b> <b>TRACK B:</b> CHE*122: General Chemistry II	3/4		
<b>Third Semester (Fall) – 17 credits</b>				
<b>Gen Ed: Aesthetic Dimensions</b>	ART*101: Art History I <b>OR</b> ART*102: Art History II	3		
Program Requirement	MAT*268: Calculus III Multivariable	4		
Program Requirement	EGR*211: Applied Mechanics I (Statics)	3		
<b>Gen Ed: Scientific Reasoning</b>	PHY*221: Calculus-Based Physics I	4		
Program Requirement <b>OR</b> <b>Gen Ed: Social Phenomena<sup>2</sup></b>	<b>TRACK A:</b> EGR*214: Engineering Thermodynamics, <b>OR, TRACK B:</b> Social Phenomena Elective	3		
<b>Fourth Semester (Spring) – 13 credits</b>				
Program Requirement	MAT*285: Differential Equations	3		
Program Requirement	EGR*212: Applied Mechanics II (Dynamics)	3		
Program Requirement	PHY*222: Calculus-Based Physics II	4		
Program Requirement	CSC*105: Programming Logic	3		
<b>TOTAL CREDITS</b>		<b>64-65</b>		

<sup>1</sup> Students can select either Track A or Track B in this category. Please see Program Coordinator for further advice.

<sup>2</sup> If a student selected Track A in previous semester, the students must also select Track A here; If a student selected Track B in previous semester, the student must also select Track B here

MIDDLESEX COMMUNITY COLLEGE

Deadline to Apply:

GRADUATION CHECKLIST

Graduation Year: 20\_\_\_\_\_

Fall: November 12, 2018

2018-2019

Year of Catalog being used\_\_\_\_\_

Spring/Summer: April 15, 2019

Engineering Science  
Associate in Science Degree  
College of Technology Transfer-Oriented Program

\_\_\_\_\_  
NAME (as you would like it to appear on the Diploma) @ \_\_\_\_\_  
BANNER ID

\_\_\_\_\_  
STREET ADDRESS TOWN ZIP PHONE#

Please be advised that your name and academic major will be printed in the commencement brochure and your academic major will be announced at the graduation ceremony if you choose to attend. Please notify the Records Office if you

\_Do Not wish your information to be printed or announced.

Other college transfer credits to be used? Yes  No  Are they on file at MxCC? Yes  No   
Are you applying for more than one degree? Yes  No  If yes, which curriculum? \_\_\_\_\_

Graduation Requirements:

Have been met  Will be met at the end of: Fall semester  Spring Semester  Summer Semester

\_\_\_\_\_  
ADVISOR'S SIGNATURE & DATE STUDENT'S SIGNATURE & DATE