



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

**2019-20**  
**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>				
<b>Gen Ed:</b> Written Communication	ENG*101(E): Composition	3		
<b>Gen Ed:</b> Historical Knowledge	HIS* Elective	3		
Program Requirement	EGR*111: Introduction to Engineering	3		
<b>Gen Ed:</b> Scientific Knowledge & Understanding	CHE*121: General Chemistry I	4		
<b>Gen Ed:</b> Quantitative Reasoning	MAT* 254: Calculus I	4		
<b>Second Semester (Spring) – 17 credits</b>				
<b>Gen Ed:</b> Written Communication	ENG*102: Composition and Literature	3		
<b>Gen Ed:</b> Social Phenomena	Social Phenomena Elective	3		
Program Requirement	EGR*221 Introduction to Electric Circuit Analysis	4		
Program Requirement	MAT*256: Calculus II	4		
Program Requirement	CSC*105: Programming Logic <b>OR</b> EGR*250: Comp Methods for Engineering	3		
<b>Third Semester (Fall) – 16-17 credits</b>				
Program Requirement	PHL*111: Ethics	3		
<b>Gen Ed:</b> Scientific Reasoning	PHY*221: Calculus-Based Physics I	4		
Program Requirement	ART*, DGA*, or MUS* Elective	3		
Program Requirement	EGR*211: Applied Mechanics I (Statics)	3		
Program Requirement	EGR*214: Engineering Thermodynamics <b>OR</b> CHE*122: General Chemistry II	3/4		
<b>Fourth Semester (Spring) – 14 credits</b>				
Program Requirement	PHY*222: Calculus-Based Physics II	4		
Program Requirement	MAT*285: Differential Equations	3		
Program Requirement	EGR*212 Applied Mechanics II (Dynamics)	3		
Program Requirement	MAT*268: Calculus III Multivariable	4		
<b>TOTAL CREDITS</b>		64-65		

MIDDLESEX COMMUNITY COLLEGE

Deadline to Apply:

GRADUATION CHECKLIST

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

Fall: December 13, 2019

2019-2020

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

Spring/Summer: April 15, 2020

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\_\_\_\_\_  
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