Student's Name _____ Student's ID _____ *Revised 7/30/20*

Engineering Science   **2020/2021**
Associate in Science Degree   **CATALOG**
College of Technology Transfer-Oriented Program
GRADUATION CHECKLIST

MxCC
MIDDLESEX COMMUNITY COLLEGE

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	Prerequisite(s)	Cr	Grade	Semester Taken
First Semester (Fall) – 17 credits					
Gen Ed: Written Communication	ENG*101(E): Composition	*Placement (and/or see course description)*	3		
Gen Ed: Historical Knowledge Elective		*See course description*	3		
Program Requirement	EGR*111: Introduction to Engineering	*Completion of MAT*186 or taken concurrently and eligible for ENG*101/E*	3		
Gen Ed: Scientific Knowledge & Understanding	CHE*121: General Chemistry I	*MAT*137/E with a grade of "C-" or better, eligible for ENG*101, and one of the following: either High School Chemistry or CHE*101 or CHE*111*	4		
Gen Ed: Quantitative Reasoning	MAT* 254: Calculus I	*Eligible for either ENG*101/E and MAT*186 with a grade of "C" or better OR eligible for either ENG*101/E and Math placement*	4		
Second Semester (Spring) – 17 credits					
Gen Ed: Written Communication	ENG*102: Composition and Literature	*Either ENG*101ALP, ENG*101E, or ENG*101 with a "C" or better*	3		
Gen Ed: Social Phenomena Elective		*See course description*	3		
Program Requirement	EGR*221 Introduction to Electric Circuit Analysis	*Completion of MAT*254*	4		
Program Requirement	MAT*256: Calculus II	*Eligible for ENG*101/E and MAT*254 with a grade of "C" or better*	4		
Program Requirement	Choose one of the following: ○ CSC*105: Programming Logic ○ EGR*250: Comp Methods for Engineering	*See course description*	3		
Third Semester (Fall) – 16-17 credits					
Program Requirement	PHL*111: Ethics	*Completion of ENG*101/E/ALP*	3		
Gen Ed: Scientific Reasoning	PHY*221: Calculus-Based Physics I	*Completion of MAT*254 (may be taken concurrently)*	4		
Program Requirement ART*, DGA*, or MUS* Elective		*See course description*	3		
Program Requirement	EGR*211: Applied Mechanics I (Statics)	*Completion of MAT*256 (may be taken concurrently)*	3		
Program Requirement	Choose one of the following: ○ EGR*214: Engineering Thermodynamics ○ CHE*122: General Chemistry II	*See course description*	3/4		
Fourth Semester (Spring) – 14 credits					
Program Requirement	PHY*222: Calculus-Based Physics II	*Completion of PHY*221*	4		
Program Requirement	MAT*285: Differential Equations	*Eligible for ENG*101/E and MAT*256 with "C" or better*	3		
Program Requirement	EGR*212 Applied Mechanics II (Dynamics)	*Completion of EGR*211*	3		
Program Requirement	MAT*268: Calculus III Multivariable	*Eligible for either ENG*101E or ENG*101 and MAT*256 with "C" or better.*	4		
TOTAL CREDITS			**64-65**		

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

MIDDLESEX COMMUNITY COLLEGE

Deadline to Apply: **GRADUATION CHECKLIST**   **Graduation Year: 20_____**

Fall: December 1st   **2020-2021**   **Year of Catalog being used_____**

Spring/Summer: April 15th

_____ @ _____
NAME (First Name, Middle Initial/Name is optional, Last Name)   BANNER ID

_____ _____ _____ _____
STREET ADDRESS   TOWN   ZIP   PHONE#

Please note: All graduation correspondence will be sent to your college assigned email.

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 Enrollment Services Office if you do not wish your information to be printed or announced.

Other college transfer credits to be used?   Yes ❍   No ❍

From which college? _____

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 ❍

Minimum Required GPA for Graduation is 2.0 Current GPA: _____

_____   _____
ADVISOR'S SIGNATURE* & DATE   STUDENT'S SIGNATURE* & DATE

*Typed name is acceptable for signature.
Electronic Submissions: This form must be submitted to MX-Registrar@mxcc.edu from student's official college email address.