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Student ID # _____

Nash Community College

Associate in Engineering - A10500 Degree Checklist

2020-2021 Academic Year

Developmental Reading & English - All DRE related courses are taught on an 8 week schedule.

DRE 096	DRE 097	DRE 098
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Developmental Mathematics - All DMA related courses are taught on a 4 week schedule, with the exception of Pre-DMA.

Pre-DMA* 8 week course	DMA 010	DMA 020
DMA 030	DMA 040	DMA 050
DMA 060	DMA 070	DMA 080

Prerequisite Mathematics - Credit for both courses is required for MAT 271 enrollment.

MAT 171 - Precalculus Algebra	MAT 172 - Precalculus Trigonometry
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General Education Requirements (45-46 Credit Hours):

I. Composition: 6 Credit Hours

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	ENG 111	Writing & Inquiry	3	DRE 098		
	ENG 112	Writing/Research in the Disciplines	3	ENG 111		

II. Humanities: 3 Credit Hours - Choose 1 Course

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	ENG 231 ENG 232 ENG 241 ENG 242	American Literature I American Literature II British Literature I British Literature II	3 3 3 3	ENG 112		
	PHI 215 PHI 240	Philosophical Issues Introduction to Ethics	3 3	ENG 111		
	REL 110	World Religions	3			Non-UGETC Course (Not Recommended)

III. Fine Arts and Communication: 3 Credit Hours - Choose 1 Course

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	COM 231	Public Speaking	3	DRE 097		
	ART 111 ART 114 ART 115	Art Appreciation Art History Survey I Art History Survey II	3 3 3			
	MUS 110 MUS 112	Music Appreciation Introduction to Jazz	3 3			

IV. Social/Behavioral Sciences: 3 Credit Hours - Choose 1 Course

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	HIS 111	World Civilizations I	3			
	HIS 112	World Civilizations II	3			
	HIS 131	American History I	3			
	HIS 132	American History II	3			
	POL 120	American Government	3			
	PSY 150	General Psychology	3			
	SOC 210	Introduction to Sociology	3			

V. Economics: 3 Credit Hours

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	ECO 251	Principles of Microeconomics	3			

VI. Mathematics: 12 Credit Hours

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	MAT 271	Calculus I	4	MAT 172		
	MAT 272	Calculus II	4	MAT 271		
	MAT 273	Calculus III	4	MAT 272		

VII. Natural Sciences: 12 Credit Hours

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	CHM 151	General Chemistry I	4	DRE 097 & DMA 080		
	PHY 251	General Physics I	4	MAT 271	MAT 272	
	PHY 252	General Physics II	4	PHY 251 & MAT 272		

VIII. Other General Education Requirements: 3-4 Credit Hours

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	BIO 111	General Biology I	4	DRE 097		
	CHM 152	General Chemistry II	4	CHM 151		
	COM 110	Introduction to Communications	3			
	COM 231	Public Speaking	3	DRE 097		
	ECO 252	Principles of Macroeconomics	3			
	GEL 111	Geology	4	DRE 097		
	HUM 110	Technology and Society	3	DRE 097		
	PHI 240	Introduction to Ethics	3	ENG 111		

Other Requirements (15 Credit Hours):

IX. Other Required Courses: 3 Credit Hours

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	ACA 122	College Transfer Success	1			
	EGR 150	Introduction to Engineering	2			

X. Pre-Major Elective Courses: Choose 11-12 Credit Hours

✓	Course:	Course Name:	Credit(s):	Prerequisite:	Corequisite:	Notes:
	BIO 111	General Biology I	4	DRE 097		
	CHM 152	General Chemistry II	4	CHM 151		
	CHM 251	Organic Chemistry I	4	CHM 152		
	CHM 252	Organic Chemistry II	4	CHM 251		
	COM 110	Introduction to Communications	3			
	COM 231	Public Speaking	3	DRE 097		
	CSC 134	C++ Programming	3			
	CSC 151	JAVA Programming	3	EGR 150		
	DFT 170	Engineering Graphics	3			
	ECO 252	Principles of Macroeconomics	3			
	EGR 240	Intro to Electrical/Computer Engineering Lab	2	MAT 271 & PHY 251		
	EGR 242	Logic System Design I	3	MAT 271 & PHY 251		
	EGR 214	Numerical Methods for Engineers	3	MAT 272		
	EGR 245	Network Theory I	3	MAT 272 & PHY 251	MAT 273 & PHY 252	
	EGR 246	Logic and Network Lab	1	MAT 272 & PHY 251	EGR 215	
	EGR 220	Engineering Statics	3	PHY 251	MAT 272	
	EGR 225	Engineering Dynamics	3	EGR 220	MAT 273	
	EGR 228	Introduction to Solid Mechanics	3	EGR 220		
	GEL 111	Geology	4	DRE 097		
	HUM 110	Technology and Society	3	DRE 097		
	MAT 280	Linear Algebra	3	MAT 271		
	MAT 285	Differential Equations	3	MAT 272		
	PED 110	Fitness and Wellness for Life	2			

Total Hours Required For Graduation: 60-61

“Other General Education and Pre-Major Elective Courses” will be selected with the help of an Associate in Engineering advisor based on your intended transfer university and engineering discipline.

Contact:

Shilo Lawrence, Director, Associate in Engineering and Transfer smlawrence923@nashcc.edu

Dina Pitt, Department Chair, Mathematics dcpitt304@nashcc.edu

Courses with ~~strike through~~ are either not recommended or rarely offered.