



Program: Engineering Transfer AS 60 credits **Division: Science/Math**

Student:	ID#:	Catalog Yr: 2017-18
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GENERAL EDUCATION REQUIREMENTS – AS (40 credits)

√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Code^
	ORI-103*	College Success Strategies	3	X		All & OL	
	COM-121 *	English Composition I	3	X	COM-061 or ESL-060 and COM-051 or ESL-050	All & OL	WC/IL
	COM-151*	Fundamentals of Speech	3	X	COM-061 or ESL-060 and COM-051 or ESL-050	All & OL	OC
	IFT-110*	Microcomputer Applications	3	X	MAT-020 and COM-061 or ESL-060	All & OL	TC
	COM-141 or COM-221*	Technical Writing(recommended) or English composition	3	X	COM-121 or COM-122 (grade of C or higher)	ALL & OL	

HUMANITIES: 3 credits

Select 1 course from the following:							
	ART-111	Introduction to Drawing	3	X	COM-061 or ESL-060 and COM-051 or ESL-050	All	AU
	ART-201	Art Appreciation			COM-121 or COM-122	All & OL	AU
	COM-110	Introduction to Creative Writing			COM-061 or ESL-060 and COM-051 or ESL-050	F/Sp/OL	AU
	ENG-125*	Introduction to Literature			COM-121 or COM-122 (grade of C or higher)	All & OL	AU
	PHI-271*	Introduction to Philosophy			COM-121 or COM-122	All & OL	AU
	PHI-275*	Introduction to Ethics			COM-121 or COM-122	Fall/Sp	AU

MATHEMATICS: 8 credits

	MAT-220	Calculus I	4	X	MAT-180** or placement by assessment	F & OL	QR/CA
	MAT-221	Calculus II	4	X	MAT-220	Sp	QR/CA

NATURAL/PHYSICAL SCIENCES: 8 credits (Select one complete sequence from BIO or CHE)

Select 1 course from the following:							
	BIO-150	Biology I	4	X	MAT-030, COM-061 or ESL-060 , COM-051 or ESL-050, CHE-120 or high school chemistry with a "C" or better	All	SR
	CHE-150	Chemistry I			CHE-120 or high school chemistry with a "C" or better, MAT-110 with a "C" or better (see advisor to discuss readiness for CHE-150)	Fall	SR
Select 1 course from the following that will complete the sequence:							
	BIO-155	Biology II	4	X	BIO-150 with a "C" or better	Sp	SR
	CHE-155	Chemistry II			CHE-150 with a "C" or better, MAT-160 or MAT-180	Sp	SR

SOCIAL SCIENCES: 3 credits

Select 1 course from the following:							
	ANT-140	Anthropology	3	X	COM-061 or ESL-060 and COM-051 or ESL-050	All & OL	CU
	HIS-110	US History I			COM-061 or ESL-060 and COM-051 or ESL-050	F/Su/OL	CU
	HIS-115	US History II			COM-061 or ESL-060 and COM-051 or ESL-050	Sp & OL	CU
	PSY-130*	General Psychology			COM-061 or ESL-060 and COM-051 or ESL-050	All & OL	CU
	SOC-130*	Sociology			COM-061 or ESL-060 and COM-051 or ESL-050	All & OL	CU

ELECTIVE: 3 credits (Select 1 course with following prefix: ART, ENG, HUM, MUS, PHI, THE, ANT, HIS, POS, PSY, SOC or BUS-200/201)

			3	X	See catalog	Varies	
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*Sections of these courses offered in the Honors Program, check <https://www.racc.edu/academics/honors-program> for details.

**Completion of both MAT 160 and MAT 165 will fulfill prerequisite or graduation requirement that requires MAT 180.

Online (OL) may not be offered every semester. Please check the schedule.



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MAJOR COURSES (15 credits)							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	MAT-222	Calculus III	4	X	MAT-221	Fall	
	MAT-280	Differential Equations	3	X	MAT-222	Sp	
	PHY-250	College Physics I	4	X	MAT-220, PHY-120 or high school physics with a "C" or better	Fall	
	PHY-255	College Physics II	4	X	MAT-221, PHY-250	Sp	
ELECTIVES (5 credits)							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade

^Code	This course fulfills the Core Competency for:
WC/IL	Written Communication/Information Literacy
OC	Oral Communication
QR/CA	Quantitative Reasoning/Critical Analysis
CU	Cultural Understanding
AU	Aesthetic Understanding
SR	Scientific Reasoning
TC	Digital/Technical Competence

Recommended Electives:

- BIO 150 Biology I
 - BIO 155 Biology II
 - BIO 250 Anatomy and Physiology I
 - BIO 255 Anatomy and Physiology II
 - CHE 150 Chemistry I
 - CHE 155 Chemistry II
 - CHE 250 Organic Chemistry I
 - ENV 130* The Environment (OL)
 - MET 110 Manufacturing Fundamentals
 - MET 140A Programmable Logic Controllers I
 - MET 140B Programmable Logic Controllers II
 - PRG 100 Introduction to Computer Programming (OL)
- Or other course approved by the Assistant Dean for Science/Math Division

Transfer Information:

Advisor's Contact Information:

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