Program: Engineering Transfer AS 60 credits					Division: Science/Math		
Student:				ID#:		Catalog Yr: 2018-19	
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	

*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.

Date created: June 2013   Updated: July 2017   All = Fall, Spring and Summer;
                                                             OL= Online

Program: Engineering Transfer AS — Division: Science/Math

Program: Engineering Transfer AS					Division: Science/Math		
Student:					ID#:		

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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