Program: Engineering Transfer AS					Division: Science/Math		
Student:				ID#:		Catalog Yr: 2015-16	

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-050/1 or ESL-050	All & OL	WC/IL
	COM-151*	Fundamentals of Speech	3	X	COM-061 or ESL-060 and COM-050/1 or ESL-050	All & OL	OC
	IFT-110	Microcomputer Applications	3	X	MAT-020	All & OL	TC
	COM-141	Technical Writing	3	X	COM-121 or COM-122 (grade of C or higher)	ALL	

HUMANITIES: 3 credits							
	Select 1 course from the following:						
	ART-111	Introduction to Drawing			COM-061 or ESL-060 and COM-050/1 or ESL-050	All	AU
	ART-201	Art Appreciation			COM-121 or COM-122	All & OL	AU
	COM-110	Introduction to Creative Writing	3	X	COM-061 or ESL-060 and COM-050/1 or ESL-050	All	AU
	ENG-125	Introduction to Literature			COM-121 or COM-122 (grade of C or higher)	All	AU
	PHI-271	Introduction to Philosophy			COM-121 or COM-122	All	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	Fall	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-050/1 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, MAT-160 or MAT-180	Sp	SR

SOCIAL SCIENCES: 3 credits							
	Select 1 course from the following:						
	ANT-140	Anthropology			COM-061 or ESL-060 and COM-050/1 or ESL-050	All	CU
	HIS-110	US History to 1877			COM-061 or ESL-060 and COM-050/1 or ESL-050	Fall	CU
	HIS-115	US History since 1865	3	X	COM-061 or ESL-060 and COM-050/1 or ESL-050	Sp	CU
	PSY-130*	General Psychology			COM-061 or ESL-060 and COM-050/1 or ESL-050	All & OL	CU
	SOC-130*	Sociology			COM-061 or ESL-060 and COM-050/1 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 http://www.racc.edu/Academics/Honors/courses.aspx for details.

Program: Engineering Transfer AS					Division: Science/Math		
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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
MET 110	Manufacturing Fundamentals
MET 140A	Programmable Logic Controllers I
MET 140B	Programmable Logic Controllers II
PRG 100	Introduction to Computer Programming

Or other course approved by the Assistant Dean for Science/Math Division

Transfer Information:

Advisor's Contact Information:

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                                                               OL= Online