



Program: Science Transfer AS (60 credits)				Division: Science/Math			
Student:			ID#:		Catalog Yr: 2016-17		
GENERAL EDUCATION REQUIREMENTS – AS (38-40 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-051	All & OL	WC/IL
	COM-151*	Fundamentals of Speech	3	X	COM-061 or ESL-060 and COM-050/1 or ESL-051	All & OL	OC
	IFT-110*	Microcomputer Applications	3	X	MAT-020 and COM-061 or ESL-060	All & OL	TC
	COM-221*or COM-141	English Composition II or Technical Writing	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-050/1 or ESL-050	All	AU
	ART-201	Art Appreciation	3		COM-121 or COM-122	All & OL	AU
	COM-110	Introduction to Creative Writing	3		COM-061 or ESL-060 and COM-050/1 or ESL-050	F/SP & OL	AU
	ENG-125*	Introduction to Literature	3		COM-121 or COM-122 (grade of C or higher)	All	AU
	PHI-271*	Introduction to Philosophy	3		COM-121 or COM-122	All & OL	AU
	PHI-275*	Introduction to Ethics	3		COM-121 or COM-122	Fall/Sp	AU
MATHEMATICS: 6/8 credits (Select 2 courses)							
	MAT-180**	Pre-calculus	3	X	MAT-165 or placement by assessment	Sp & OL	QR/CA
	MAT-210	Statistics	3		MAT-030, MAT 032, or MAT 035 (recommended) with a grade of C or better, or appropriate pl. test scores, COM- 061 or ESL-060 and COM-051 or ESL-050	All & OL	QR/CA
	MAT-220	Calculus I	4		MAT-180** or placement by assessment	F & OL	QR/CA
	MAT-221	Calculus II	4		MAT-220 or placement by assessment	Sp	QR/CA
NATURAL/PHYSICAL SCIENCES: 8 credits (Select one complete sequence from BIO, CHE, or PHY)							
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 and CHE-120 or high school Chemistry with a "C" or better	All	SR
	CHE-150	Chemistry I			CHE-120 with a "C" or better (or high school Chemistry within last 3 years), MAT-110 with a "C" or better	Fall	SR
	PHY-240	Physics I			MAT-165 and PHY-120 or high school Physics within last 5 years	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	
	CHE-155	Chemistry II			CHE-150, MAT-160 or MAT-180	Sp	
	PHY-245	Physics II			PHY-240	Sp	
SOCIAL SCIENCES: 3 credits							
Select 1 course from the following:							
	ANT-140	Anthropology	3	X	COM-061 or ESL-060 and COM-050/1 or ESL-050	All & OL	CU
	HIS-110/115	US History I / II	3		COM-061 or ESL-060 and COM-050/1 or ESL-050	F/SP/OL	CU
	PSY-130*	General Psychology	3		COM-061 or ESL-060 and COM-050/1 or ESL-050	All & OL	CU
	SOC-130*	Sociology	3		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	



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MAJOR COURSES (11 credits)							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	ENV-130*	The Environment	3	X		All & OL	
Select a second complete sequence from BIO, CHE, or PHY:							
	BIO-150	Biology I	4	X	see prerequisites listed above or check catalog	All	
	CHE-150	Chemistry I				Fall	
	PHY-240	Physics I				Fall	
	BIO-155	Biology II	4	X	see prerequisites listed above or check catalog	Sp	
	CHE-155	Chemistry II				Sp	
	PHY-245	Physics II				Sp	
ELECTIVES (9-11 credits)							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade

*Sections of these courses offered in the Honors Program, check <http://www.racc.edu/Academics/Honors/courses.aspx> 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.

^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- Botany, BIO-250 Anatomy & Physiology I, BIO-255 Anatomy & Physiology II, BIO-280 Microbiology
 CHE-250 Organic Chemistry I
 Any 200 level MAT course not used to fulfill a General Education requirement

Transfer Information:

Advisor's Contact Information:

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