



**Program: Science Transfer AS (60 credits) Division: Science/Math**

**Student: ID#: Catalog Yr: 2017-18**

**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-051 or ESL-051	All & OL	WC/IL
	COM-151*	Fundamentals of Speech	3	X	COM-061 or ESL-060 and COM-051 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-051 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-051 or ESL-050	F/SP & OL	AU
	ENG-125*	Introduction to Literature	3		COM-121 or COM-122 (grade of C or higher)	All & OL	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-051 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), MAT-110 with a "C" or better	Fall	SR
	PHY-240	Physics I			MAT-165 and PHY-120 or high school Physics	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 with a "C" or better, 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-051 or ESL-050	All & OL	CU
	HIS-110/115	US History I / II	3		COM-061 or ESL-060 and COM-051 or ESL-050	F/SP/OL	CU
	PSY-130*	General Psychology	3		COM-061 or ESL-060 and COM-051 or ESL-050	All & OL	CU
	SOC-130*	Sociology	3		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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Program: Science Transfer AS					Division: Science/Math		
Student:					ID#:		
MAJOR COURSES (11 credits)							
√	Course#	Course Name	Cr.	Req.	Pre-requisites	Sem.	Grade
	ENV-130*	The Environment	3	X		All & OL	
<b>Select a second complete sequence from BIO, CHE, or PHY:</b>							
	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 <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.

^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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