

**READING AREA COMMUNITY COLLEGE**  
**CURRICULUM GUIDE – Science Transfer (AS) – 60 credits**

**4 SEMESTER PLAN      Catalog: 2012-13**

**PRE-COLLEGE LEVEL COURSES (BASED ON PLACEMENT TEST RESULTS)**

Course	Description	SEM	CR	GR
COM-021	Basics of College Reading	A	3	
COM-061	Advanced Reading	A	3	
MAT-010	Math Skills Review *	A	0	
MAT-020	Basics of College Math	A	3	
MAT-035	Algebra I w/Quadratics	A	3	

Course	Description	SEM	CR	GR
COM-040	Basics of College Writing I w/Wksp	A	4	
COM-041	<b>OR</b> Basics of College Writing I	A	3	
COM-050	Basics of College Writing II w/Wksp	A	4	
COM-051	<b>OR</b> Basics of College Writing II	A	3	

Note: If you enroll full-time and do not need pre-college level reading/writing/math and have completed high school chemistry then you can complete the program in four (4) semesters by following this plan. Students may use the summer session to take MAT 110 and/or CHE 120 before starting their 1<sup>st</sup> fall semester.

**Bolded courses are required courses for this degree.**

Non-bolded courses are either pre-requisites for program courses or electives to be discussed with your advisor.

**FIRST SEMESTER**

**FALL SEMESTER I (16-17 credits)**

Course	Course Description	SEM	CR	GR
<b>ORI 102</b>	<b>College Success Strategies</b>	<b>A</b>	<b>2</b>	
<b>IFT 110</b>	<b>Microcomputer Applications</b>	<b>A</b>	<b>3</b>	
<b>Choose 1 of the following MAT courses based on math placement test results</b>				
MAT 110	Algebra II	A	3-4	
<b>MAT 160</b>	<b>College Algebra</b>	A		
MAT 165	Trigonometry	A		
MAT 220	Calculus I	F		
<b>Choose 2 of the following lab courses</b>				
BIO 150	Biology I	A	8	
<b>CHE 150</b>	<b>Chemistry I*</b>	F		
<b>PHY 240</b>	<b>Physics I*</b>	F		
*Note: If MAT-110 is required based on math placement then CHE 120 or PHY 120 should be substituted for the 2nd lab science course.				

**SECOND SEMESTER**

**SPRING SEMESTER I (14-15 credits)**

Course	Course Description	SEM	CR	GR
<b>COM 121</b>	<b>English Composition</b>	<b>A</b>	<b>3</b>	
<b>Choose 1 of the following MAT courses</b>				
MAT 160	College Algebra (req MAT-110)	A	3-4	
MAT 165	Trigonometry (req MAT-160)	A		
MAT 180	Precalculus (req MAT-165)	S		
MAT 221	Calculus II (req MAT220)	S		
<b>Choose 2 of the following lab courses to complete the sequence from Fall</b>				
BIO 155	Biology II (reqs BIO150)	S	8	
<b>CHE 155</b>	<b>Chemistry II (req CHE150)*</b>	S		
<b>PHY 245</b>	<b>Physics II (reqs PHY240)*</b>	S		
*Note: If MAT-110 was taken in Fall then take a lab science elective recommended by an advisor in place of the second lab science course.				

**THIRD SEMESTER**

**FALL SEMESTER II (16-17 credits)**

Course	Course Description	SEM	CR	GR
<b>Choose 1 of the following COM courses:</b>				
COM 131	Composition and Literature	F,S	3	
COM 141	Technical Writing	F,S		
ENV 130	The Environment	A	3	
	<b>Social Science Elective</b>		<b>3</b>	
<b>Choose 1 of the following MAT courses</b>				
MAT 210	Statistics	A	3-4	
MAT 220	Calculus I	F		
2 MAT courses at the level of MAT-180 or above are required for the degree. MAT-160 and MAT-165 together count as MAT-180.				
<b>Choose 1 Lab Science course (CHE-150 or PHY-240 required if not taken previously) or a lab science elective.</b>				
			<b>4</b>	

**FORTH SEMESTER**

**SPRING SEMESTER II (13-16 credits)**

Course	Course Description	SEM	CR	GR
	<b>Humanities Elective</b>		<b>3</b>	
<b>Choose 1 Lab Science course to complete sequence started in Fall or other Lab Science elective</b>				
			<b>4</b>	
Choose additional math, science, or free electives as suggested by the advisor or transfer institution to complete 60 credits total				
			<b>6-9</b>	