NATURAL SCIENCES/ MATHEMATICS, ASSOCIATE OF GENERAL STUDIES (AGS)

Locations: Gonzales, St. Charles, Online

The Natural Sciences/Mathematics concentration of the General Studies Associate (AGS) degree is a 60-credit hour program designed to help students reach their educational or occupational goals. Flexible by design, the AGS is suitable for students interested in immediate employment or career entry, as well as for the student preparing to transfer to a related baccalaureate degree. The degree includes considerable General Education coursework as well as coursework specific to an area or discipline for which RPCC does not offer a dedicated associate degree. As a transfer program, students can explore various educational fields before selecting natural sciences and/or mathematics courses. Alternatively, students can design their coursework around specific occupational goals. Students completing the Associate of General Studies degree must earn grades of "C" or better in English Composition and Math courses. Students who plan to transfer should consult with an RPCC Advisor, as well as an advisor from the other college/university, to assure transferability of credit.

Curriculum

Program of Study – Suggested Sequence of Courses

Course	Title	Hours
First Semester		
ENGL 1013	English Composition I (General Education, English Composition)	3
General Education, Mathematics/Analytics Reasoning - Select one of the following: [1]		3
PHIL 2113	Introduction to Logic	
MATH 1213	College Algebra	
MATH 1203	Applied Algebra [1]	
MATH 1313	Finite Mathematics	
General Education, Social Science – select a course from the following list: Any ANTH, ECON, GEOG, PSYC, SOCL; WGNS 2503; or CRJU 1013		3
Natural Science/Mathematics Elective [2]		3
Natural Science/Mathematics Elective [2]		3
	Hours	**15**
Second Semester		
ENGL 1023	English Composition II (General Education, English Composition)	3
General Education, Mathematics/Analytics Reasoning - Select one of the following: [1]		3
PHIL 2113	Introduction to Logic	
MATH 1213	College Algebra	
MATH 1223	Plane Trigonometry	
MATH 1203	Applied Algebra [1]	
MATH 1313	Finite Mathematics	
MATH 2103	Calculus for Non-Sci Majors	
MATH 2115	Calculus I	
MATH 2303	Statistics I	
General Education, Natural Science - first of a two-course sequence - Select either a Life Science or a Physical Science course sequence:		3
Life Science: BIOL		
Physical Science: CHEM, PHSC, or PHYS		
General Education, Humanities – select from the following: Any HIST, PHIL (except PHIL 2113), RELS 2213, or any 2000-level ENGL (English Literature)		3
Natural Science/Mathematics Elective [2]		3
	Hours	**15**
Third Semester		
General Education, Humanities – select from the following: Any HIST, PHIL (except PHIL 2113), RELS 2213, SPAN, SPCH, or any 2000-level ENGL (English Literature)		3
General Education, Natural Science - second course for a two-course sequence:		3
Life Science: BIOL		
Physical Science: CHEM, PHSC, or PHYS		
General Education, Fine Arts - Select any ARTS, MUSC, or THTR		3
Natural Science/Mathematics Elective [2]		3
Natural Science/Mathematics Elective [2]		3
	Hours	**15**
Fourth Semester		
General Education, Humanities – select from the following: Any HIST, PHIL (except PHIL 2113), RELS 2213, SPAN, SPCH, or any 2000-level ENGL (English Literature) [2]		3
General Education, Social Science – select a course from the following list: Any ANTH, ECON, GEOG, PSYC, SOCL; WGNS 2503; or CRJU 1013		3
General Education, Natural Science - Select a course in the opposite Natural Science area chosen for the two-course sequence:		3
Life Science: Any BIOL		
Physical Science: Any CHEM, ENVS, GEOL, PHSC, or PHYS		
Natural Science/Mathematics Elective [2]		3
Natural Science/Mathematics Elective [2]		3
	Hours	**15**
	Total Hours	**60**

[1] Note: Credit will not be given for both MATH 1213 College Algebra and MATH 1203 Applied Algebra.

[2] Natural Sciences/Mathematics Electives: Any BIOL, CHEM, ENVS, GEOL, MATH, PHSC, or PHYS

Upon successful completion of the program, the graduate will be able to:

1. Explain the basic principles of mathematics, life sciences, and/or physical sciences covered in choices of courses for completion of the degree.
2. Associate the concepts and methods of natural sciences to current societal and global events.
3. Apply the concepts and methods of mathematics to solve problems.