Liberal Arts and Sciences (Mathematics and Science)
Associate in Science (A.S) Degree

The Associate in Science degree program in Liberal Arts and Sciences (with concentrations in Mathematics and Science) offers students interested in careers in science, mathematics, computer science, and the health sciences an opportunity to complete the first two years of study leading to the Bachelor of Science degree.

REQUIREMENTS FOR THE ASSOCIATE IN SCIENCE (A.S.) DEGREE

GENERAL EDUCATION CORE REQUIREMENTS	*Credits*
English Composition I, II (EN-101, 102)	6
Foreign Language* *and/or* Liberal Arts and Sciences †	6-8
Mathematics** §	3-4
Laboratory Science *To be chosen in accordance with the laboratory science requirements † §*	4-5
Health Education (HE-101 or 102)	1-2
History (one course selected from HI-110, 111, or 112)	3
One course in physical education or dance from PE-400, 500, or 600 series	1
Social Science †	3
Speech Communication (SP-211)	3
Social Sciences, History, or Humanities elective † §	3
Sub-total	33-38

Please Note:

- "Applied and Specialized Courses" may not be used as part of the above listed 33-38 credit General Education core. A list appears under "Applied and Specialized Courses." *
- Students who take a minimum number of credits in the General Education core must make up the difference by taking additional credits in the Mathematics and/or Science Concentration in order to fulfill the total 60-credit requirement for the degree.

** Students transferring to programs in senior colleges or professional schools requiring a foreign language are advised to complete that requirement as part of the Liberal Arts and Sciences core of the A.S. program. Please note that college language courses may not repeat high school work.*

*** MA-301, 303, 315, 336, or any 400 series Math courses.*

† See section on Understanding Program Requirements.

Please Note:

Students should consult faculty advisers in the Departments of Biological Sciences and Geology, Chemistry, Mathematics and Computer Science, and Physics for suggested sequences in their fields of interest.

REQUIREMENTS FOR THE MAJOR.....20-25

Concentration courses will be chosen in consultation with the adviser from the offerings of the Departments of Biological Sciences and Geology, Chemistry, Mathematics and Computer Science, and/or Physics. †

Note: With permission from the Department of Mathematics and Computer Sciences, students in the TIMEQCC secondary mathematics program may count credits for ED-110 toward the concentration.

NOTES ON MATHEMATICS AND/OR SCIENCE CONCENTRATION:

1. The following Biological Sciences courses ***may not*** be used for the General Education core, but they may be used as part of the concentration: BI-401, 403, 407, 455, 550-551, 943, 961, and 991.
2. The following courses ***may not*** be used to make up any part of the 20-25-credit Mathematics and/or Science concentration in the A.S. degree program:
   Biological Sciences: BI-110, 120, 130, 140, 160, 170, 171, 250, 300, 340, 341, 400, 505
   Chemistry: CH-101, 102, 105, 110, 111, 120, 121, 127, 128, 130, 131
   Geology: GE-100, 105, 125
   Mathematics: MA-114, 120, 128, 205, 321, 240, 250, 260, 261
   Physics: PH-101, 102, 103-104, 110, 120-121, 130-131, 140, 150, 151
3. IS-221 may be counted toward the concentration.

ELECTIVES

————	Free electives †	2
Total Credits Required		**60**

† See section on Understanding Program Requirements.

§ Sections of this course denoted as "WI" may be taken to partially satisfy the Writing Intensive Requirement.

Two (2) Writing Intensive classes are required for the Associate degree.
See page 69.