

# CHEMISTRY ASSOCIATE IN ARTS DEGREE

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PROGRAM CODE: 2A03873

The **Chemistry Associate in Arts Degree** prepares students for further study in chemistry or related physical and life science disciplines. This degree will provide a background in general chemistry while providing skills for possible entry-level employment in science-related industries or laboratories. This degree requires 18-20 units of which 10 units are in required courses, and 8-10 units must be chosen from the restricted electives listed below.

Code	Title	Units
<b>Required Courses (10 units):</b>		<b>10</b>
CHEM 111AF	General Chemistry I	5
CHEM 111BF	General Chemistry II	5
<b>Restricted Electives (8-10 units):</b>		<b>8-10</b>
CHEM 211AF	Organic Chemistry I	5
CHEM 211BF	Organic Chemistry II	5
MATH 151 F	Calculus I (formerly MATH 150AF) or MATH 151HF Honors Calculus I (formerly MATH 150HF)	4
MATH 152 F	Calculus II (formerly MATH 150BF) or MATH 152HF Honors Calculus II	4
PHYS 205 F	Physics for the Life Sciences I	4
PHYS 206 F	Physics for the Life Sciences II	4
PHYS 210 F	Physics with Calculus for the Life Sciences I	4
PHYS 211 F	Physics with Calculus for the Life Sciences II	4
PHYS 221 F	General Physics I	4
PHYS 222 F	General Physics II	4
PHYS 223 F	General Physics III	4
<b>Total Units</b>		<b>18-20</b>

**Outcome 1:** Demonstrate knowledge of inorganic chemistry appropriate for general chemistry and have the ability to articulate this chemical knowledge in verbal, written, and/or computational form.

**Outcome 2:** Demonstrate the ability to conduct experiments, analyze data, and interpret results, while observing responsible and ethical scientific conduct.

**Outcome 3:** Demonstrate the use of proper procedures and regulations for safe handling and use of chemicals.

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