



Advisor \_\_\_\_\_  
Assigned By \_\_\_\_\_

Name \_\_\_\_\_  
Date \_\_\_\_\_

# 2018-2019 EDUCATIONAL PLAN

## Associate in Science Chemistry

Course Placement Recommendations: English \_\_\_\_\_ Reading \_\_\_\_\_ Math \_\_\_\_\_

- ENGL 098       READ 099       MATH 095       MATH 098       MATH& 141  
 ENGL 099       MATH 096       MATH 099       MATH& 142

Recommended course schedule

Fall Quarter, First Year Credits

CHEM& 161 General Chem w/lab I (NS)	6
ENGL& 101 English Composition I (C)	5
Humanities (H) or Social Science Distribution (SS)	5
	16

Winter Quarter, First Year Credits

CHEM& 162 General Chem w/lab II (NS)	6
CMST& 220 Public Speaking (H)	5
MATH& 151 Calculus I (M)	5
Health & Fitness Distribution (HF)	1
	17

Spring Quarter, First Year Credits

CHEM& 163 General Chem w/lab III (NS)	6
MATH& 152 Calculus II (M)	5
Health & Fitness Distribution (HF)	1
Social Science Distribution (SS)	5
	17

Fall Quarter, Second Year Credits

CHEM& 261 Organic Chem w/lab I (NS)	6
MATH 118 Linear Algebra (M)	5
PHYS& 221 Engineering Physics I (NS)	5
	16

Winter Quarter, Second Year Credits

CHEM& 262 Organic Chem w/lab II	6
MATH& 163 Calculus III	5
PHYS& 222 Engineering Physics II (NS)	5
Health & Fitness Distribution (HF)	1
	17

Spring Quarter, Second Year Credits

CHEM& 263 Organic Chem w/lab III	6
MATH 212 Differential Equations	5
PHYS& 223 Engineering Physics III (NS)	5
	16

Students are required to complete 3-5 credits in a Diversity course (D).  
A list of courses that satisfy the Diversity Requirement can be found in the college catalog.

QTR/YR \_\_\_\_\_ CREDITS \_\_\_\_\_

---

---

---

---

---

---

---

---

QTR/YR \_\_\_\_\_ CREDITS \_\_\_\_\_

---

---

---

---

---

---

---

---

QTR/YR \_\_\_\_\_ CREDITS \_\_\_\_\_

---

---

---

---

---

---

---

---

QTR/YR \_\_\_\_\_ CREDITS \_\_\_\_\_

---

---

---

---

---

---

---

---

QTR/YR \_\_\_\_\_ CREDITS \_\_\_\_\_

---

---

---

---

---

---

---

---

QTR/YR \_\_\_\_\_ CREDITS \_\_\_\_\_

---

---

---

---

---

---

---

---

NAME

**EMPHASIS: Chemistry**  
**DEGREE: Associate in Science (AS-T #1)**

**Purpose:**

The Associate in Science with an emphasis in Chemistry is for students interested in transferring to a four-year college or university to complete a bachelor's degree. Students who complete this educational plan are reasonably assured of junior level standing at most four-year colleges and universities in Washington State. You are urged to consult with your advisor to coordinate your program with the requirements at the institution to which you intend to transfer. If you have successfully completed algebra, geometry, trigonometry, pre-calculus, chemistry and physics in high school you are prepared to enter Pre-Calculus Refresher (MATH& 135) and General College Chemistry (CHEM& 161) and completion of your program in four years is possible.

If you are not well prepared in high school mathematics and science, you should plan, with your advisor, a three-year program at Centralia College in preparation for transfer to a four-year college or university. The main emphasis in the first year at Centralia should be on strengthening your mathematics, basic sciences, communications, and reading skills.

To ensure optimal course selection, plan your program of study with your advisor.

**Program Outcomes:**

Please refer to the Distribution Requirements and their criteria listed in the Centralia College catalog.

**Learning Themes:**

General education outcomes at Centralia College help students, faculty, and the general public identify learning expected when a student has completed a degree or program. The administration, faculty, and staff have agreed upon the following five Learning Themes which students can expect to encounter in their courses by the completion of any degree.

**Reasoning:**

The ability to extract information from data, develop ideas and solutions, establish logical progression in thinking, and problem solve using such procedures as literary analysis or the scientific methods.

**Written, Oral and Visual Communication:**

The ability to make oneself understood in public, interpersonal, professional, artistic, and technical arenas.

**Exploration-Self and Others:**

An awareness of the values, beliefs, customs, and contributions of persons from one's own and other traditions, ethnicities, classes, and genders.

**Resourcefulness:**

The ability to adapt to change, such as technological innovations or environmental conditions.

**Responsibility:**

The ability to be accountable to self, society, and the natural world.

**Note:** Students who plan on transferring to the University of Washington will also need to take one full-year of a foreign language if they have not studied that language for the required amount of time in high school. Also, students going to the University of Washington may wish to take at least one five-credit designated writing course.

The Associate in Science degree represents attainments generally required by four-year colleges and universities for pre-professional programs in scientific disciplines. The need for early concentration on coursework in the chosen scientific major diminishes the general educational experience demonstrated by the Associate in Arts degree. By working with an advisor in the completion of one of the two Associate in Science tracks, you can transfer to one of the Washington State baccalaureate institutions with reasonable assurance that you have completed all or most of the prerequisite courses for the targeted science major.

**Centralia College has direct AS-degree transfer agreements with the following colleges:**

Central Washington University – Eastern Washington University – Gonzaga University – Pacific Lutheran University – Seattle Pacific University – Seattle University – The Evergreen State College – University of Washington – Washington State University – Western Washington University – Whitworth College

**Estimated Quarterly Program Costs (subject to change without notice)**

Resident Tuition (15 credits) and fixed fees*:	\$1427
US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$1576
Non US Citizen Nonresident Tuition (15 credits) and fixed fees*:	\$3381
*Tuition is subject to change due to State Legislative actions	
Books and supplies (estimate):	\$427
Lab fees:	Refer to quarterly class schedule.

Centralia College does not discriminate against any person on the basis of race, color, national origin, disability, sex, genetic information, or age in admission, treatment, or participation in its programs, services and activities, or in employment. All inquiries regarding compliance with access, equal opportunity and/or grievance procedures should be directed to the Centralia College Vice President of Human Resources and Legal Affairs, 600 Centralia College Blvd., Centralia, WA 98531.