

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



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

# EDUCATIONAL PLAN

## Associate in Science

### Physics

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

- |                                   |                                   |                                   |                                   |                                    |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| <input type="checkbox"/> ENGL 098 | <input type="checkbox"/> READ 099 | <input type="checkbox"/> MATH 095 | <input type="checkbox"/> MATH 098 | <input type="checkbox"/> MATH& 141 |
| <input type="checkbox"/> ENGL 099 |                                   | <input type="checkbox"/> MATH 096 | <input type="checkbox"/> MATH 099 | <input type="checkbox"/> MATH& 142 |

<u>Recommended course schedule</u>		
<u>Fall Quarter, First Year</u>		
CHEM& 161	General Chemistry w/lab I (S)	<u>Credits</u> 6
ENGL& 101	English Composition I (C)	5
Health and Fitness Distribution (HF)		<u>3</u>
		14
<u>Winter Quarter, First Year</u>		
CHEM& 162	General Chemistry w/lab II (S)	6
ENGL& 235	Technical Writing (C)	5
MATH& 151	Calculus I (M)	<u>5</u>
		16
<u>Spring Quarter, First Year</u>		
CHEM& 163	General Chemistry w/lab III (S)	6
MATH& 152	Calculus II (M)	5
Social Science Distribution (SS)*		OR
Humanities Distribution (H)*		<u>5</u>
		16
<u>Fall Quarter, Second Year</u>		
MATH 118	Linear Algebra (M)	5
PHYS& 221	Engineering Physics I (S)	5
Social Science Distribution (SS)*		OR
Humanities Distribution (H)*		<u>5</u>
		15
<u>Winter Quarter, Second Year</u>		
ENGR 203	Applied Numerical Methods	<u>5</u>
MATH& 163	Calculus III	5
PHYS& 222	Engineering Physics II (S)	5
		15
<u>Spring Quarter, Second Year</u>		
MATH 212	Differential Equations	5
MATH 264	Calculus IV	3
PHYS& 223	Engineering Physics III (S)	5
Social Science Distribution (SS)*		OR
Humanities Distribution (H)*		<u>5</u>
		18
<p>A minimum of 15 credits in Humanities and Social Science are required. See Associate in Science Degree description.</p> <p>*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.</p>		

QTR/YR _____	CREDITS _____
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QTR/YR _____	CREDITS _____

NAME \_\_\_\_\_

**EMPHASIS:** Physics  
**DEGREE:** Associate in Science (AS-T #2)

**Purpose:**

The Associate in Science, Track 2, with an emphasis in Physics is designed for students transferring to a four-year college or university to complete a degree in physics.

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 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 an 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 - Cornish College of the Arts - Eastern Washington University - Gonzaga University - Griffin College - Northwest College - Pacific Lutheran University - Saint Martin's 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.