



# Walla Walla Community College

## AS

Associate in Science Degree - Option II  
Engineering, Computer Science, Physics & Atmospheric Sciences

# DEGREE PLANNING GUIDE

### Course designators for AS Degree requirements:

Communications	[C]	Natural Science	[NS]
Humanities (Performance/Fine Arts)	[H] [HP]	Quantitative Skills	[Q]
Social Science	[S]	Physical Education	[PE]

All students will be required to earn a minimum of 90 credits and a 2.00 grade point average to graduate.



# AS: Associate in Science, Option II

## Engineering, Computer Science, Physics & Atmospheric Sciences

Effective Fall 2009

**Credits  
Required:  
90**

### PRE-MAJOR PROGRAM [NS]:

**Twenty (20) Credits**

**Physics Sequence**      **Fifteen (15) credits. Sequence should not be broken up between institutions.**

<b>PHYSICS</b>				
PHYS	121	College Physics I	5	
PHYS	122	College Physics II	5	<b>OR</b>
PHYS	123	College Physics III	5	
		PHYS	201	Physics for Sci & Eng I
		PHYS	202	Physics for Sci & Eng II
		PHYS	203	Physics for Sci & Eng III

**Chemistry or Natural Science**

**At least five (5) credits. Select course based on major. Engineering majors are required to take CHEM& 161. For a complete listing of Natural Science courses see below.**

#### Natural Science

BIOL&	251	Human A & P I	5
BIOL&	252	Human A & P II	5
BIOL&	253	Human A & P III	5
BIOL&	260	Microbiology	5

GEOL&	103	Historical Geology	5
GEOL&	110	Environmental Geology	5
GEOL	115	Survey of Earth Science	5
GEOL	130	Hist of Life on Earth	5 (non lab)
GEOL&	208	Geology of the Pacific NW	5

#### AGRICULTURE

AGPR	101	*Intro to Environ Sciences	5
AGPR	201	Basic Soil Science	5

#### CHEMISTRY

CHEM&	110	Chemical Concepts	5
CHEM&	121	Intro to Chemistry	5
CHEM&	122	Intro to Organic Chemistry	5
CHEM&	123	Intro to Biochemistry	5
CHEM&	161	General Chemistry I	5
CHEM&	162	General Chemistry II	5
CHEM&	163	General Chemistry III	5

#### NUTRITION

NUTR&	101	Nutrition	5 (non lab)
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#### ASTRONOMY

ASTR&	110	The Solar System	5
ASTR	115	Stellar Astronomy	5
ASTR	120	Galaxies, the Universe & Cosm	5

#### OCEANOGRAPHY

OCEA&	101	Intro to Oceanography	5
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#### BIOLOGY

BIOL&	100	Survey of Biology	5
BIOL	121	*Biology of Women	3 (non lab)
BIOL	130	General Ecology	5
BIOL&	160	General Biology	5
BIOL&	175	Human Biology	5
BIOL	202	Vertebrate Zoology	5
BIOL&	211	Majors Cellular	5
BIOL&	212	Majors Animal	5
BIOL&	213	Majors Plant	5
BIOL	221	Systematic Botany (Plant ID)	5
BIOL	240	Prin of Conservation	5 (non lab)

#### ENVIRONMENTAL SCIENCE

ENVS&	101	*Intro to Environ Sciences	5
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#### GEOGRAPHY

GEOG	105	Physical Geography	5
GEOG	170	Intro to Maps & Cartography	5
GEOG	210	Intro to Weather	5
GEOG	211	Intro to Climate	5 (non lab)

#### PHYSICS

PHYS	110	Conceptual Physics	5
PHYS	121	College Physics I	5
PHYS	122	College Physics II	5
PHYS	123	College Physics III	5
PHYS	201	Physics for Science & Eng I	5
PHYS	202	Physics for Science & Eng II	5
PHYS	203	Physics for Science & Eng III	5

#### GEOLOGY

GEOL&	101	Intro Physical Geology	5
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#### WOMEN'S STUDIES

WST	121	*Biology of Women	3 (non lab)
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### QUANTITATIVE SKILLS [Q]:

**At least 15 credits in courses at or above introductory calculus level.**

<b>MATH</b>				
MATH&	151	Calculus I	5	
MATH&	152	Calculus II	5	
MATH&	153	Calculus III	5	
		MATH	201	Intro to Statistics
		MATH	220	Linear Algebra
		MATH	238	Differential Equations
				MATH& 254
				Calculus IV
				5

### ELECTIVES:                      29 credits

**The remaining twenty-nine (29) credits must be approved academic electives and should be planned with the help of an advisor based on the requirements of the specific discipline at**

**the baccalaureate institution where the student plans to attend. For transferring students, 24 of the 29 credit total must be fully transferable as defined by the ICRC guidelines for the Direct-Transfer agreement to be honored by four-year institutions in Washington. A maximum of 5 credits of restricted elective courses will be accepted.**

### PHYSICAL ED [PE]:

**Three (3) unduplicated activity classes required. Waived for military service and by physician recommendation only. A maximum of six (6) physical education activity credits will be counted toward the AS Degree.**

ACTIVITY CLASSES HPER and DANCE 100-199

**Important Notice:** The Associate in Science Transfer (AS-T) Degree, Option II is designed to prepare students for upper division study in the areas of engineering, computer science, physics, and atmospheric science. Completing the AS-T degree will prepare students for upper division study; it does not guarantee students admission to the major. A cumulative GPA of 2.0 or higher is required for successful completion of this degree.

Students completing this AS-T will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the Associate in Arts DTA Degree and will be given junior status by the receiving institution. Additional general education requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree. Students need to meet with department advisors at the baccalaureate institution to determine an appropriate educational plan.

**THIS IS AN ADVISING TOOL ONLY.**

For the most current information see: [www.wvcc.edu/programs](http://www.wvcc.edu/programs)

Revised 04/10

# COMMUNICATIONS [C]:

At least 8 credits, including one course from each of the two subject areas.  
Minimum 5 credits in English I & II area.

## ENGLISH I & II

ENGL& 101 English Composition I 5  
ENGL& 102 English Composition II 5

## Communication Studies

CMST 102 Interpersonal Communication 3  
CMST 105 Oral Interpretation 3  
CMST 201 Intercultural Communication 5  
CMST& 220 Public Speaking 5

# HUMANITIES & SOCIAL SCIENCES

A minimum of five (5) credits in Humanities, a minimum of five (5) credits in Social Sciences, plus an additional five (5) credits in either

Humanities or Social Sciences for a total of fifteen (15) credits. No more than five (5) credits in Modern Languages at 100 level. Up to five (5) credits can be taken from [HP]. **Note:** Courses taken at the Community College to meet the Humanities and Social Sciences requirements in the AS-T will be accepted toward those requirements and counted as GERs/GURs by the receiving institution.

## HUMANITIES [H] [HP]:

### ART

ART& 100 Art Appreciation 5  
ART 124\* Women in Art History 5  
ART 127 History of Western Art I 5  
ART 128 History of Western Art II 5  
ART 129 History of Western Art III 5

### DRAMA

DRMA& 101 Introduction to Theatre 5  
DRMA 225 Representative Plays 5  
DRMA 226 Asian Plays 5

### ENGLISH

ENGL& 111 Introduction to Literature 5  
ENGL& 112 Introduction to Fiction 5  
ENGL& 113 Introduction to Poetry 5  
ENGL 118 Baseball Lit & American Culture 5  
ENGL 144 Introduction to Film 5  
ENGL 147 Comic Books & Graphic Novels 5  
ENGL 149 Classic Children's Literature 5  
ENGL 210 Myth & Folklore 5  
ENGL 212 African-American Literature 3  
ENGL 245 American Literature 5  
ENGL 250 Literature of American Immigration 5  
ENGL 251\*Voices of Women in Literature 5  
ENGL 256 Literature of the American West 5  
ENGL 257 Literature of the Inland Northwest 5  
ENGL 260 Modern Hispanic/Latino Literature 5  
ENGL 265 World Literature 5  
ENGL 270 Detective & Spy Novels 3  
ENGL 271 Science Fiction & Fantasy Literature 5  
ENGL 272 Medicine & Literature 3

### HISTORY

HIST& 116\*Western Civilization I 5  
HIST& 117\*Western Civilization II 5  
HIST& 118\*Western Civilization III 5  
HIST& 126\*World Civilization I 5  
HIST& 127\*World Civilization II 5  
HIST& 128\*World Civilization III 5

### HUMANITIES

HUM 106 Film Technique & Artistry 5  
HUM 107 American Culture in Film 5  
HUM 109 World Arts & Culture 5  
HUM 110 Four Perspectives 5  
HUM& 116 Humanities I 5  
HUM& 117 Humanities II 5  
HUM& 118 Humanities III 5  
HUM 201 Latino Arts & Culture I 3  
HUM 202 Latino Arts & Culture II 3

### MODERN LANGUAGES

(max. 5 credits @ 100 level)

FRCH& 121/122/123 French I, II, III 5 ea.  
FRCH 201/202/203 French IV, V, VI 5 ea.  
SPAN& 121/122/123 Spanish I, II, III 5 ea.  
SPAN& 221/222/223 Spanish IV, V, VI 5 ea.

### MUSIC

MUSC& 105 Music Appreciation 5  
MUSC 110 History of American Music 5

### PERFORMANCE/FINE ARTS [HP]

(max. 5 credits)

ART 101/102/103 Drawing I, II, III 4 ea.

ART 104/105/106 Design I, II, III 4 ea.  
ART 107 Fundamentals of Digital Art 5  
ART 130/131/132 Painting I, II, III 4 ea.  
ART 151/152/153 Printmaking I, II, III 4 ea.  
ART 160/161/162 Ceramics I, II, III 4 ea.  
ART 167/168/169 Sculpture I, II, III 4 ea.  
ART 260/261/262 Cera & Sculp I, II, III 4 ea.  
DRMA 151/152/153 Beg Acting I, II, III 3 ea.  
DRMA 251/252/253 Int Acting I, II, III 3 ea.  
DRMA 271/272/273 Beg/Int/Adv Directing 3 ea.  
DRMA 290/291/292 Play Prod IV, V, VI 1-5 ea.  
DRMA 295/296/297 Touring Thea IV, V, VI 3 ea.  
MUSC 106/107/108 Music Theory I, II, III 5 ea.  
MUSC 116/117/118 College Voice I, II, III 1-2 ea.  
MUSC 126/127/128 Jazz Combo I, II, III 1-3 ea.  
MUSC 161/162/163 Vocal Ensemble I, II, III 2 ea.  
MUSC 164 Spanish Chorus 2  
MUSC 206/207/208 Music Theory IV, V, VI 5 ea.  
MUSC 216/217/218 College Voice IV, V, VI 1-2 ea.  
MUSC 226/227/228 Jazz Combo IV, V, VI 1-3 ea.  
MUSC 261/262/263 Vocal Ensemble IV, V, VI 2 ea.

### PHILOSOPHY

PHIL& 101 Introduction to Philosophy 5  
PHIL 103 Asian Philosophy 5  
PHIL& 106 Introduction to Logic 5  
PHIL 120 Critical Thinking 5  
PHIL 131 Introduction to Ethics 5  
PHIL 205 Philosophy of Religion 5

### WOMEN'S STUDIES

WST 124\*Women in Art History 5  
WST 251\*Voices of Women in Literature 5

## SOCIAL SCIENCE [S]:

### ANTHROPOLOGY

ANTH& 100 Survey of Anthropology 5  
ANTH& 206 Cultural Anthropology 5

### BUSINESS

BUS& 101 Intro to Business 5

### CRIMINAL JUSTICE

CJ& 101 Intro to Criminal Justice 5  
CJ& 112 Criminology 5  
CJ 202 Crime & Delinquency 5

### ECONOMICS

AGRI 201\*Microeconomics in Agriculture 5  
ECON 200 Survey of Economics 5  
ECON& 201\*Micro Economics 5  
ECON& 202 Macro Economics 5

### EDUCATION

EDUC& 202 Intro to Education 5

### GEOGRAPHY

GEOG 201 Intro to World Reg. Geography 5

### HISTORY

HIST& 116\*Western Civilization I 5  
HIST& 117\*Western Civilization II 5

HIST& 118\*Western Civilization III 5  
HIST 120\*American Presidency 5  
HIST& 126\*World Civilization I 5  
HIST& 127\*World Civilization II 5  
HIST& 128\*World Civilization III 5  
HIST& 146 US History I 5  
HIST& 147 US History II 5  
HIST& 148 US History III 5  
HIST 205 American Environmental History 5  
HIST 211\*U.S. in World Affairs I 5  
HIST 212\*U.S. in World Affairs II 5  
HIST& 214 Pacific NW History 5  
HIST& 215\*Women in US History 5  
HIST 240 Western Minority History 5  
HIST 250 Intro to Latin America 5  
HIST 255 Trad. East Asian Civilization 5  
HIST 256 Modern East Asian Civilization 5  
HIST 262 The Modern Middle East 5

### POLITICAL SCIENCE

AGRI 222\*Agricultural Policy 5  
POLS 120\*The American Presidency 5  
POLS& 202 American Government 5  
POLS 211\*U.S. in World Affairs I 5  
POLS 212\*U.S. in World Affairs II 5  
POLS 222\*Agricultural Policy 5

### PSYCHOLOGY

PSYC& 100 General Psychology 5

PSYC 111 Effective Interpersonal Relationships 3  
PSYC 113\*Human Sexuality 5  
PSYC 139\*Psychology of Women 5  
PSYC 160 Psychology of Crim. Behavior 5  
PSYC& 200 Lifespan Psychology 5  
PSYC 205 Social Psychology 5  
PSYC 219 Health Psychology 5  
PSYC& 220 Abnormal Psychology 5  
PSYC 224 Environmental Psychology 5

### SOCIOLOGY

SOC& 101 Intro to Sociology 5  
SOC& 201 Social Problems 5  
SOC 204 Drugs and Society 5  
SOC 205 Racial/Ethnic Relations 5  
SOC 206 Soc Gerontology & Aging Rev 5  
SOC 208 Soc of Intimate & Family Relations 5  
SOC 209 Intro to Neighborhood Dev 3  
SOC 215 Diversity Viewpoints 5  
SOC 220\*Gender & Society 5

### WOMEN'S STUDIES

WST 113\*Human Sexuality 5  
WST 139\*Psychology of Women 5  
WST 200 Intro to Women's Studies 5  
WST 215\*Women in U.S. History 5  
WST 220\*Gender & Society 5



# Walla Walla Community College Education Planning Guide

## Graduation Reminder

You must complete an application form for each certificate/degree one to two quarters before the anticipated date of graduation. This will help to verify all requirements have been met. Forms are available on the Web and at Admissions.

Student: \_\_\_\_\_

SID#: \_\_\_\_\_

Advisor: \_\_\_\_\_

Transferring to: \_\_\_\_\_

Major: \_\_\_\_\_

Date: \_\_\_\_\_

FALL	WINTER	SPRING	Summer

### \*EQUIVALENT CROSS-LISTED COURSES:

Students may receive credit for only one of the cross-listed courses in each of the following pairs:

AGRI 222 or POLS 222  
HIST 120 or POLS 120  
HIST 211 or POLS 211

HIST 212 or POLS 212  
WST 113 or PSYC 113  
WST 220 or SOC 220

WST 124 or ART 124  
WST 139 or PSYC 139

WST 251 or ENGL 251  
WST 121 or BIOL 121

### Residence Requirements for Transfer Degrees:

1. A minimum of 30 credits that apply toward the degree earned at WWCC.
2. A minimum of two (2) quarters in attendance at WWCC.

Effective 03/2008