



CHEMISTRY / BIOCHEMISTRY ASSOCIATE IN SCIENCE –TRANSFER (AST-T) - TRACK 1

2009-2010

The AS-T degree requires a minimum of **90 quarter credits** in courses numbered 100 or above and a cumulative GPA of 2.0 or higher. It transfers as part of the AS-Transfer agreement to all WA State public universities as well as several private colleges. In most cases students will be able to complete their Bachelor's in two additional years of full-time study. Students will be required to take additional General Education courses to fulfill requirements of their Baccalaureate college/university. **SEE REVERSE SIDE FOR A LIST OF GENERAL EDUCATION AND DISTRIBUTION COURSES.**

I. GENERAL EDUCATION CORE REQUIREMENTS -- 18-20 Cr

Courses used in Gen Ed core may not be used for Distribution.

	Qtr	Gr	Cr
Communication: English& 101			5
Additional Communication: ENGL& 102 or ENGL& 230 or CMST& 101			3-5
Multicultural Understanding			5
Quantitative/Symbolic Reasoning: MATH& 151			5

II. DISTRIBUTION REQUIREMENTS -- 15 Cr

Humanities--5 Cr			
<i>See list of choices on reverse side.</i>			
	Qtr	Gr	Cr
1.			
Social Sciences--5 Cr			
<i>See list of choices on reverse side.</i>			
	Qtr	Gr	Cr
1.			
Humanities or Social Sciences--5 Cr			
<i>See list of choices on reverse side.</i>			
	Qtr	Gr	Cr
1.			

U of W note: Students transferring to U of W must meet high school core admissions requirements, including two years of the same world language in high school or two quarters in college. The third year/quarter of a language is a graduation requirement for students in the College of Arts & Sciences at U of W. Please see the UW's Transfer Admission & Planning packet for further details.

It is strongly recommended that students complete an entire sequence of science courses at one institution.

Shoreline CC Chemistry/Biochemistry Advisors:

- Karen Kreuzer, Chemistry, Rm 2817, Ph: 546-4576
- Linda Kuehnert, Chemistry, Rm 2821, Ph: 546-4575
- Dave Phippen, Chemistry, Rm 2822, Ph: 546-4572
- Amar Yahiaoui, Chemistry, Rm 2820, Ph: 546-4738
- Joyce Fagel, Science Advisor, Rm 2814, Ph: 546-6984

STUDENT:	
ADVISOR:	DATE:

III. PRE MAJOR PROGRAM —61.5 Cr

Science—19 Cr		Qtr	Gr	Cr
1. CHEM 171/181	Fall, Win, Spr			6.5
2. CHEM 172/182	Win, Spr, Sum			6.5
3. CHEM 173/183	Spr, Sum, Fall			6.5
Additional Math--10 Cr		Qtr	Gr	Cr
MATH& 152				5
MATH& 163				5
One of the following sequences--15 Cr		Qtr	Gr	Cr
For Chemistry*, choose a physics sequence. Calculus-based physics is recommended (221, 222, 223)				
PHYS& 221/231	Fall, Win			5
PHYS& 121/131	Fall			
PHYS& 223/233	Win, Spr			5
PHYS& 122/132	Win			
PHYS& 222/232	Spr, Sum			5
PHYS& 123/133	Spr			
For Biochemistry*, choose physics or biology, or both; see note below				
BIOL& 211	offered every qtr			5
BIOL& 212	Win, Spr qtr			5
BIOL& 213	Spr, Sum qtr			5
Major sequence – minimum 10 credits for AS-T degree				
3 qtr Organic Chem is required for both majors				
		Qtr	Gr	Cr
CHEM& 241/271	Fall, Win			4/3
CHEM& 242/272	Win, Spr			4/3
CHEM& 243	Spr, Sum			4

*Biochemistry: BIOL& 211 and 212 are typically required (it is for UW). It is helpful to take them before transfer so that the primary Biochemistry sequence can be taken in the junior year. Students who complete the whole sequence of BIOL& 211, 212, 213 may substitute this for the Physics requirement for this AS degree; they will need to take Physics after transfer.

A Bachelor's in Chemistry does not usually require biology, however if you are preparing for a health professional program you will usually need to take it. This can be done before or after transfer.

IV. ELECTIVES - - only required if total credits is below 90

(The AS-T degree allows a maximum of 5 credits for restricted/vocational course work.)

	Qtr	Gr	Cr

The following is a list of classes which satisfy Shoreline's 2009-2010 AS-T General Education and Distribution requirements. Credits for a specific course may be used only once, i.e. may not be applied toward more than one distribution. **To graduate from SCC, complete a graduation application and return it to the Credential Evaluator or the Information Desk, which are both located in the FOSS Bldg – (5000 Bldg 2nd Floor) no later than the quarter before you plan to graduate.**

**GENERAL EDUCATION
CORE REQUIREMENTS**

18-20 credits

Communication - 5 credits

English& 101

Additional Communication – 3-5 credits

English& 102, 230

Communication Studies& 101

Multicultural Understanding- 5 credits

Communication Studies 203

History 245

Intra-American Studies 105, 245, 284

Women Studies 284

Quantitative/Symbolic Reasoning – 5 credits

Math& 151

Course numbers for many courses at SCC have changed effective Summer 2008. Courses with an "&" are Common Course Numbers and will be consistent across WA State Community Colleges.

Courses listed as meeting Humanities and Social Science distribution areas can only be used to satisfy one distribution area, not both.

DISTRIBUTION REQUIREMENTS

HUMANITIES

5-10 credits

No more than 5 credits in foreign language at the 100 level.

General:

American Sign Language& 121-123, 221, 222

Art& 100

Art History 204, 210, 224, 225, 226

Chinese& 121, 122, 123

Cinema 201

Communication Studies& 101, 102, 210, 220

Communication Studies 203, 215, 235

Drama& 101

English& 111, 112, 114, 220, 226-228, 244-246

English 113, 154, 190, 200, 229, 236, 247, 248,

257, 265, 271, 272, 281, 282, 287- 289

French& 121, 122, 123, 221-223

Humanities 111-113, 160, 275

Intra-American Studies 109, 206, 215, 220, 234

Japanese& 121, 122, 123, 221-223

Music& 105, 141, 142, 143, 241, 242, 243

Music 100, 106, 108, 109, 150, 200, 206, 224

Philosophy& 101

Philosophy 102, 115, 210, 230, 240, 248, 267

Spanish& 121, 122, 123, 221, 222, 223

Performance/Skills Applied Theory,

Lecture/Studies: If chosen, a maximum

of five credits from list below.

Art 109, 110, 121-123, 130-133, 144-146, 247,

250-256, 260, 265, 271-273

Communication Studies& 230

Communication Studies 140, 244, 247, 249

Drama 144-146, 164-169, 207-209, 225, 226, 234,

235, 236, 255

Humanities 164, 165

Music 114, 115, 117-120, 124, 135, 136, 140, 144,

146, 147, 150-156, 161-167, 170, 175, 180, 184,

196, 204, 205, 207, 211, 212, 225, 226, 251-253,

264, 268, 270, 280, 284, 296

SOCIAL SCIENCES

5-10 credits

Anthropology& 100, 204, 206, 207

Business& 101

Communication Studies& 102

Criminal Justice& 112

East Asia 215, 216, 217, 218

Economics& 201, 202

Economics 100, 215, 260, 272, 273, 291-295

Geography& 100, 200

Geography 250, 277, 295

History& 116, 117, 118, 136, 137, 214, 215

History 218, 234-238, 245-247, 256, 260, 274,

295

International Studies 101, 200, 201, 205, 295

Philosophy& 101

Philosophy 102, 115, 167, 210, 230, 240, 248,

267, 295

Political Science& 101, 202, 203

Political Science 221, 276, 291, 292, 293

Psychology& 100, 200, 220

Psychology 206-210, 236, 245, 295

Social Science 100

Sociology& 101, 201

Sociology 112, 250, 288, 295

Women's Studies 205, 215, 284, 285, 286, 295

NOTICE: Planning guides are intended to guide students toward completing degree requirements. They are not intended to communicate admissions requirements of 4-year institutions. Students are strongly advised to consult with an advisor and the catalog of the 4-year institution to which they plan to transfer. Other conditions & restrictions may also apply.