



2009-2010

COMPUTER SCIENCE & COMPUTER ENGINEERING ASSOCIATE IN SCIENCE - TRANSFER – (AS-T) - TRACK 2

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 is 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 Bachelors 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 complete listing of courses that fulfill general education and distribution requirements.**

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 230 or CMST& 101			3-5
Multicultural Understanding			5
Quantitative/Symbolic Reasoning: Math&151			5

II. DISTRIBUTION REQUIREMENTS -- 10 Cr

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

III. PRE MAJOR PROGRAM – 31.5 Cr

<i>Physics Sequence –16.5 Cr</i>			
	Qtr	Gr	Cr
PHYS& 221/231			5.5
PHYS& 223/233			5.5
PHYS& 222/232			5.5
<i>Additional Math--10 Cr</i>			
	Qtr	Gr	Cr
MATH& 152			5
MATH& 163			5
<i>Additional Science –5-6.5 Cr</i>			
	Qtr	Gr	Cr
Enginr.: must take CHEM 171-181			5-
Science: see list on back			6.5

Shoreline CC Computer Studies Transfer Advisors:

- Robert Shields, Comp Info Systems, room 1420, 546-4773
- Stephanie Diemel, Physics, room 2818, 546-4579
- (-Joyce Fagel, Science Advisor, Rm 2814, 546-6984)

STUDENT:	
ADVISOR:	DATE:

IV. PROGRAM SPECIFIC COURSES AND ELECTIVE COURSES, see below and consult an advisor – 30-32 credits to reach the 90 credit minimum.

Maximum 5 credits allowed for restricted/vocational courses.

	Qtr	Gr	Cr
CS 121* (if needed; this course or previous programming experience is strongly recommended before CS& 141)			(5)
CS& 141 (Computer Sci I Java) (every qtr)			5
CS 143 (Java II, Data Structures)** (Spr)			5
MATH& 141, 142 (if needed)			(5,5)
MATH 208 (Linear Algebra), (Win Qtr)			5

** CS 143 at SCC is accepted by UW Seattle, Bothell and Tacoma for equivalency to their CSE 143 course.

PROGRAM SPECIFIC RECOMMENDATIONS:

Specific requirements vary by college/university.

Universities and colleges vary which programming language is taken. Many use C++, but will accept Java. Please check with individual schools and advisors for updated information.

ENGR& 204 (Electrical Circuits) recommended for Computer Engineering, but can be taken after transfer – 5 cr, (Win Qtr).

Additional math courses:

- MATH 207, Differential Equations, 5 cr, Fall & Spr Qtr
- MATH& 264, Calculus 4, 5 cr, Spr Qtr only

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

Other Computer Studies Degrees

This AS-T degree is designed for Computer Science & Engineering degrees and meets the requirements of the first two years at most colleges & universities. Many schools also offer other computer or information technology degrees, which have different requirements. For example:

- Management Information Systems at any university – follow Business AA-DTA MRP;
 - Computing BS and BA Programs at UW Bothell & Tacoma – follow this AS-T degree OR AA-DTA for Computing Majors;
 - Informatics at UW and other degrees – follow AA-DTA for Informatics or AA-Individualized Plan (AA-IP).
- Talk with advisors and research your school of choice.

U of W note: Students transferring to U of W (all campuses) 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 Admissions materials for each campus for details.

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

Communications 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

Mathematics& 151

ADDITIONAL SCIENCE REQUIREMENT

Refer to front page for specific requirements for your major.

Minimum of 5 credits

Anthropology& 205*

Astronomy& 101

Biology& 100, 170, 211, 212, 213, 231, 232, 260

Biology 102, 124, 126, 144, 150*, 244, 249, 274, 275, 277

Chemistry& 110, 121, 131, 139, 241/271 242/272, 243

Chemistry 171/181, 172/182, 173/183,

Environmental Science& 100, 101

Environmental Science 202

Geography& 203, 204

Geology& 101, 103, 115, 208

Geology 107, 201

Nutrition& 101*

Oceanography& 101

Philosophy& 106*

Psychology 202*

**these courses may not meet requirements at some Baccalaureate Colleges or Universities.*

DISTRIBUTION REQUIREMENTS

HUMANITIES

5 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 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

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.

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