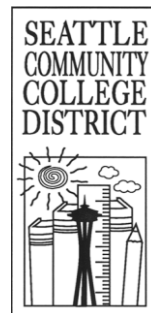




ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS OPTION #1



**Biological Environmental / Resource Sciences
Chemistry Geology & Earth Science**

Effective Fall 2009

Program Code: 0013

Students who are considering majoring in science, math or a health profession at a four-year university or college have several Associate of Science transfer degree options at North Seattle Community College. Associate of Science degrees are designed to allow students to complete many of the prerequisite math or science courses essential for these majors, as well as some general education courses.

The Associate of Science Option One is designed to allow students to complete 65 or more math/science credits of pre-major, laboratory and major track sequence prerequisite courses required or recommended for those intending to major in Biological, Environmental/Resource Sciences, Chemistry, Geology and Earth Sciences. The remaining credits include 5 credits of ENGL &101 and 15 credits of Areas of Knowledge distribution requirements (Visual, Literary and Performing Arts and Individuals, Cultures and Societies) and other courses chosen with the help of an advisor. Students completing the A.S. Option #1 will finish their general education graduation requirements at the four-year institution. This is a good option for math/science majors that require more than 40 credits of math and science classes for admission into 4-year college or university programs.

Students wishing to earn the Associate of Science Option #1 degree must earn 90 credits in courses numbered 100 and above with a cumulative grade point average of 2.0 or better, including grades transferred from other colleges. At least 15 credits must be earned from the Seattle Community College District college granting the degree.

Students should meet with an academic advisor and are encouraged to consult with faculty in their major, as well as their intended four-year transfer institution, to determine which degree will best serve their needs and for guidance in course selection. **It should not be assumed that completing this degree constitutes completion of the general college or university requirements of the transfer institution.**

Biological Science

Suzanne Schlador
Anne Murkowski
Heidi Iverson
Elizabeth Goulet

Chemistry

Jackie Hong
Jim Patterson
Kayln Owens
Tracy Furutani

Computer Science

Dennis Schaffer
Barbara Goldner
Vince Offenback

Earth Science

Tracy Furutani

Engineering

Dennis Schaffer
Vince Offenback

Environmental Science

Tracy Furutani
Anne Murkowski
Elizabeth Goulet

Physics

Steve Anderson
Davene Eyres

Mathematics

Deanna Li
Denise Brannan
Barbara Goldner
Pam Lippert
Ralph Jenne
Paul Kurose
Hon Li
Harry Watts
Edgar Jasso

Areas of Knowledge Distribution Requirements for AS Options #1 & 2 degrees (15 credits)

Choose a minimum of 5 credits in Visual, Literary and Performing Arts (VLPA-Humanities) and 5 credits in Individuals, Cultures and Societies (ICS-Social Sciences), and an additional 5 credits in either category for a **total of 15 credits**. A maximum of 5 credits of foreign language at the 100 level and a maximum of 5 credits in studio/performance classes may be applied to Visual, Literary and Performing Arts.

Please check the equivalency guide (www.northseattle.edu/services/transfer/eguide.htm) of the four-year institution you plan on transferring to in order to ensure the NSCC VLPA or ICS course transfers as a VLPA (Humanities) or ICS (Social Sciences) to that institution.

*VISUAL, LITERARY, AND PERFORMING ARTS (Humanities and Arts)

Art: ART &100, 101*, 102*, 103*, 104, 105, 110*, 111*, 112*, 113*, 114*, 115*, 121*, 122*, 123*, 163, 166*, 170, 201*, 202*, 203*, 205*, 206*, 207*, 210*, 211*, 212*, 213*, 214*, 215*, 216*, 217*, 221*, 222*, 223*, 251, 252, 253, 254, 255, 281*, 282*, 283*, 284*, 285*, 290, 291
 American Sign Language: ASL &121, &122, &123, 210, &221, &222, &223
 Chinese: CHIN &121, &122, &123, &221, &222, &223
 Communication: CMST &101, &102, 115, 145, 155, 175, 185, 195, 205, &210, 215, &220, &230, 235, 245, 255, 265, 275, 285, 295
 Drama: DRMA &101, 103, 105, 108*, 109*, 110*, 112, 114*, 116*, 120*, 121*, 122*, 123*, 131, 182*, 204*, 205*, 206*, 221*, 222*, 223*, 284, 285, 286
 English: ENGL 104, 109, &111, &112, &113, &114, 117, 151, 152, 153, 201, 204, 205, 214, 218, 219, &224, &225, &226, &227, &228, 231, 232, 233, 240, 241, &244, &245, &246, 251, 252, 253, &254, &256, 257, 258, 259, 260, 263, 265, 266, 267, 270, 291, 292, 293

French: FRCH &121, &122, &123, 204, 205, 206, 212, &221, &222, &223, 231, 232, 233
 German: GERM &121, &122, &123
 Humanities: HUM 104, 105, 110, 115, &116, &117, &118, 120, 125, 150, 160, 200, 210, 234, 261, 270
 Italian: ITAL 121
 Japanese: JAPN &121, &122, &123, &221, &222, &223
 Journalism: JRN 101, 102, 103
 Linguistics: LAN 101, 110 Literature: LIT 236, 238
 Music: MUSC 100, 106, 109, 110, 113, 116, 117, 119*, 120*, 125, 126*, 127*, 128*, 130*, 134 - 140*, &141, &142, &143, 144*, 145*, 146*, 147*, 148*, 150*, 151*, 156*, 157*, 158*, 160, 161, 163, 164*, 165*, 166*, 171*, 172*, 173*, 182*, 185, 204, 205, 213, 221*, 222*, 223*, &231, &232, &233
 Russian: RUSS &121, &122, &123
 Spanish: SPA &121, &122, &123, &221, &222, &223, 236, 238
 Vietnamese: VIET &121, &122, &123

*INDIVIDUALS, CULTURES, AND SOCIETIES (Social Sciences)

American Ethnic Studies: AME 150, 151, 160, 201
 Anthropology: ANTH &100, &106, 113, &125, 130, 135, 201, &206, &210, 211, 212, 213, &216, &228
 American Sign Language: ASL 120, 125
 Economics: ECON 100, 102, &201, &202
 Environmental Science: ENV 150, 202
 Geography: GEG 100, 200, 207, 230, 260
 History: HIST 105, 106, 108, 120, &126, &127, &128, 131, &136, &137, 138, 140, 145, &146, &147, &148, 150, 191, 200, 208, 210, 211, 212, &214, &219, 221, 230, 241, 242, 251, 268, 269, 273 International Studies: ISP 101, 105, 110, 120, 160, 170, 201, 205, 210, 220, 234, 251, 255, 260, 261, 270

Philosophy: PHIL &101, 102, 110, 111, 118, 160, 215, 220, 240, 245, 250, 255, 267
 Political Science: POLS &101, 111, 112, 170, &200, &202, &203, 205, 206, 213, 220, 255
 Psychology: PSYC &100, 120, &200, 207, 209, 210, 217, &220, 230, 235, 245, 250, 255, 257, 294
 Religion: REL 150, 151
 Sociology: SOC &101, 102, 105, 106, 107, 120, 130, 150, 170, &201, 220, 230, 245, 250, 265, 275, 280
 Social Science: SSC 101, 103, 187
 Social Welfare: SWF 200
 Women's Studies: WMN 140, 200, 205, 213, 257

Courses with "&" are part of a new statewide common course numbering system.
 Visit www.seattlecolleges.edu/commoncoursenumbering/ for more information.

NSCC Associate of Science Degree Requirements Option #1

General: Depending on initial placement, students may need to pursue prerequisite math and science courses: **MATH &141, MATH &142, MATH 102, MATH 120, CHEM &121 or CHEM &139** and include them as part of the degree requirements under Major Tracks &/or Remaining Credits. **Math and/or science sequences should be completed at the same institution.**

Departments at different transfer institutions could require different pre-program courses. Students are responsible for checking specific major requirements of their intended transfer institutions.

Biology Major

- Laboratory Sequence: Biology sequence BIOL &211, &212, &213 15 credits
- Major Track Options:
Physics sequence* PHYS &121, &122, &123 **or** &221, &222, &223 15 credits
*200 series recommended. Check with transfer institution
- OR**
- Organic Chemistry sequence CHEM &241, &242, &251(lab), &243, &252(lab) 18 credits

Chemistry Major

- Laboratory Sequence:
Physics sequence* PHYS &121, &122, &123 **or** &221, &222, &223 15 credits
*200 series recommended. Check with transfer institution
- Premajor Requirements: MATH &153 5 credits
- Major Track Options:
Organic Chemistry sequence CHEM &241, &242, &251(lab), &243, &252(lab) 18 credits

Environmental Science

- Laboratory Sequence: Biology sequence BIOL &211, &212, &213 15 credits
- Major Track Options:
Physics sequence PHYS &121, &122, &123 **or** &221, &222, &223 15 credits

Geology/Earth Science

- Laboratory Sequence: Physics sequence PHYS &221, &222, &223 15 credits
- Major Track Options: Geology GEOL &101, &110, &103 15 credits