

**SEATTLE COLLEGES**  
**ASSOCIATE OF COMPUTER SCIENCE DTA/MRP**



**FOR PLANNING PURPOSES ONLY - UNOFFICIAL**

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Prepared By: \_\_\_\_\_  
 Transferring to: \_\_\_\_\_ Intended Area of Study: \_\_\_\_\_

<b>BASIC REQUIREMENTS - 15 CREDITS</b>						
	<i>Courses</i>	<i>YRQ</i>	<i>GR</i>	<i>CR</i>	<i>NEED</i>	<i>TR</i>
Communication Skills (10 cr.) and Q/SR (5 cr.)	ENGL& 101					
	ENGL&102, ENGL235 or CMST&220*					
	MATH& 151 (Q/SR)					
*consult with your advisor and intended transfer universities						<b>TOTAL</b>

**DEGREE OVERVIEW**

This degree is intended for students planning to prepare for computer science and related majors at universities and colleges in Washington. This degree meets all requirements of the Direct Transfer Agreement (DTA).

<b>DISTRIBUTION REQUIREMENTS - 45 CREDITS</b>						
See separate Areas of Knowledge Distribution Requirements handout for a full list of courses for each area.						
	<i>Courses</i>	<i>YRQ</i>	<i>GR</i>	<i>CR</i>	<i>NEED</i>	<i>TR</i>
<b>VISUAL, LITERARY &amp; PERFORMING ARTS (VLPA)</b> 15 Credits <input type="checkbox"/> Min. 2 different subjects						
						<b>TOTAL</b>

**ASSOCIATE IN COMPUTER SCIENCE DEGREE**

**To earn this degree, students must:**

- Complete at least 90 college-level credits (courses numbered 100 or above), including credits transferred in, with a minimum cumulative college level GPA of 2.0
- Have a minimum college level cumulative GPA of 2.0 in courses at the degree awarding college
- Earn at least 15 credits at the degree granting college
- Have a minimum passing grade of 1.0 in all courses
- Apply to graduate (<https://northseattle.edu/graduation>).

<b>INDIVIDUALS, CULTURES &amp; SOCIETIES (ICS)</b> 15 Credits <input type="checkbox"/> Min. 2 different subjects						
						<b>TOTAL</b>

**Other Notes:**

- Courses may only be counted toward one requirement.
- Sequences should be completed at the same institution.
- Completion of degree does not guarantee admission to a university/major program nor that all university/major admission and general education requirements are met.
- Check the equivalency guide (<https://northseattle.edu/programs/college-transfer/university-equivalency-guides>) of the four-year institution where you plan to transfer to ensure the NSC VLPA or ICS course transfers as VLPA (Humanities) or ICS (Social Sciences) at that institution.

<b>NATURAL WORLD (NW)</b> 15 Credits	PHYS& 221					
	PHYS& 222					
	MATH& 152					
						<b>TOTAL</b>

<b>MAJOR REQUIREMENTS - 10 CREDITS</b>						
	<i>Courses</i>	<i>YRQ</i>	<i>GR</i>	<i>CR</i>	<i>NEED</i>	<i>TR</i>
Programming 1 and 2	CSC 142					
	CSC 143					
						<b>TOTAL</b>

<b>UNIVERSITY SPECIFIC REQUIREMENTS &amp; ELECTIVES- 20 CREDITS</b>						
	<i>Courses</i>	<i>YRQ</i>	<i>GR</i>	<i>CR</i>	<i>NEED</i>	<i>TR</i>
Select additional courses required for intended major/university. Example: CSC110, MATH&141, MATH&142, MATH&163, MATH&146, MATH220, PHYS&223. Consult with your advisor.						
						<b>TOTAL</b>

**Contact the college where you plan to transfer to:**

- Select courses to fulfill admission and major requirements at that institution.
- Ensure you meet all admission requirements, including but not limited to minimum GPA, a higher GPA in a selected subset of courses, and specific minimum grades or courses in English, math, lab science, world language, arts & humanities, and social science.

<b>DEGREE TOTAL</b> <b>90 CREDITS</b>	<b>CREDITS COMPLETED:</b>	<input type="text"/>
	<b>CREDITS REMAINING:</b>	<input type="text"/>

## DEGREE SPECIFIC REQUIREMENTS

<b>VISUAL, LITERARY, AND PERFORMING ARTS (VLPA) (Humanities and Arts) 15 Credits</b>	Choices must include a minimum of two different course prefixes. No more than 5 credits of a world language at the 100 level may be used in this category. No more than 5 credits of a studio/performance class (*asterisked on approved list) may be used in this category. Maximum 10 credits per prefix.
<b>INDIVIDUALS, CULTURES, AND SOCIETIES (ICS) (Social Sciences) 15 Credits</b>	Choices must include a minimum of two different course prefixes. Maximum 10 credits per prefix.

Please refer to the current Areas of Knowledge Distribution Requirements.

### University Specific Advising Notes<sup>^</sup>

<p><b>CWU</b> – Two Java courses</p> <p><b>EWU</b> – ENGL&amp; 102, Introductory Ethics (PHIL 212), Linear Algebra (Math 231), Digital Circuits (EENG 160)</p> <p><b>Gonzaga</b> – PHIL&amp; 101, CMST&amp; 101, Ethics, PHYS&amp; 223, Discrete Math. Recommends Calculus 4, Critical Thinking (Symbolic Logic), Differential Equations, and Intro to Literature to fulfill graduation requirements.</p> <p><b>Heritage</b> – Two Java courses, PHYS&amp; 223. Discrete Math and Statistics will be evaluated for comparability to Heritage’s SPSC 231 and Math 221 courses#.</p> <p><b>Pacific Lutheran</b> – Physical, Biological and/or earth sciences with lab (5 credits). Intro to CS, Digital Systems, Data Structures, Statistics, and Discrete Structures will be evaluated for comparability to PLU’s, CSCE 144, 231, 270, and Math 242, 245 courses#.</p> <p><b>Seattle Pacific</b> – Physical, Biological and/or earth sciences with lab (5 credits). Prefers C++ but accepts Java with SPU bridge course. Math&amp; 153 will be evaluated for comparability to SPU’s Math 1236#.</p> <p><b>Seattle U</b> – Physical, Biological and/or earth sciences with lab (5 credits). Programming and Problem Solving 1 and 2 will be evaluated for comparability to CPSC 1420 and 1430 courses#.</p> <p><b>UW Bothell</b> – Two courses in one language: C Sharp, C++ or Java, Statistics instead of Calculus 3.</p> <p><b>UW Seattle</b> – Two Java courses</p> <p><b>UW Tacoma</b> – Any lab based science^^ (5 or 6 credits), Statistics instead of Calculus II, Intro Programming and Object Oriented Programming (Java). Does not require Calculus 3.</p> <p><b>WSU (all campuses)</b> – MATH&amp;163 and MATH224^^^, Physical, Biological and/or earth sciences with lab (5 credits), PHYS&amp; 223. Recommends discrete structures. Discrete Structures is a certification course for computer science and as such is required for admittance to the computer science program.</p> <p><b>WSU Pullman</b> – PHIL&amp; 120. Recommends macro or micro economics to meet five credits of the social science requirement.</p> <p><b>WSU Tri-Cities</b> – Two C++ courses, PHIL&amp; 120. Recommends macro or micro economics to meet five credits of the social science requirement.</p> <p><b>WSU Vancouver</b> – ECON&amp; 201 or ECON&amp; 202</p> <p><b>WWU</b> – Physical, Biological and/or earth sciences with lab (5 credits), PHYS&amp; 223</p> <p><b>Whitworth</b> – Oral Communication (5 credits), PHYS&amp; 223. Recommends electives include one Fine Art and one course fulfilling “American Diversity”.</p> <p><b>Other institutions</b> – Two courses in either C++ or Java</p>
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<sup>^</sup> Based on 2016 Statewide Agreement

<sup>^^</sup> For BA in Computer Science and Systems major at UW Tacoma, any lab base science is acceptable. For BS in Computer Science and Systems major at UW Tacoma, take any lab base science except astronomy.

<sup>^^^</sup> Each WSU campus may require different math courses. Please consult with your advisor.

# Other lower level courses taken by Computer Science majors, which may need to be taken prior to graduation. Similar courses taken at other institutions will be evaluated at time of transfer and credit may be applied towards major, general education or electives as appropriate.

All informaton is subject to change without notice. Always verity program requirements with your intended 4-year institution.

# Areas of Knowledge Distribution Requirements

Each degree has different requirements and restrictions.

Utilize this guide in conjunction with the degree worksheets.

## VISUAL, LITERARY, AND PERFORMING ARTS (VLPA) (Humanities and Arts)

No more than five credits each of a world language at the 100 level and a studio/performance class (\*asterisked below) may be applied to the distribution requirements.

**Arabic: ARAB** 101, 102, 103

**Art: ART** &100, 101\*, 102\*, 103\*, 104, 105, 106, 110\*, 111\*, 112\*, 113\*, 114\*, 115\*, 121\*, 122\*, 123\*, 124\*, 163, 166\*, 170, 171, 201\*, 202\*, 203\*, 205\*, 206\*, 207\*, 209\*, 210\*, 211\*, 212\*, 213\*, 214\*, 215\*, 216\*, 217\*, 221\*, 222\*, 223\*, 231\*, 232\*, 240\*, 251, 252, 253, 254, 255, 256, 257, 258, 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, 240, 245, 255, 265, 275, 285, 295

**Drama: DRMA** &101, 103, 105, 108\*, 109\*, 110\*, 112, 114\*, 116\*, 120\*, 121\*, 122\*, 123\*, 125, 131, 170\*, 171\*, 172\*, 173\*, 174\*, 180\*, 182\*, 204\*, 205\*, 206\*, 221\*, 222\*, 223\*, 284, 285, 286

**English: ENGL** 104, 109, &111, &112, &113, &114, 115, 116, 117, 125, 135, 140, 151, 152, 153, 161, 162, 201, 204, 205, 210, 214, 218, 219, &224, &225, &226, &227, &228, 231, 232, 233, 240, 241, &244, &245, &246, 247, 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, 112, 115, &116, &117, &118, 120, 121, 125, 130, 135, 140, 145, 150, 155, 160, 200, 210, 234, 261, 270

**Italian: ITAL** 121, 122, 123

**Japanese: JAPN** &121, &122, &123, &221, &222, &223

**Journalism: JRN** 101, 102, 103

**Linguistics: LAN** 101, 110

**Literature: LIT** 234, 236, 238

**Music: MUSC** 100, &105, 106, 109, 110, 113, 116, 117, 118, 119\*, 120\*, 124, 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, 186, 204, 205, 213, 221\*, 222\*, 223\*, &231, &232, &233

**Russian: RUSS** &121, &122, &123

**Spanish: SPAN** &121, &122, &123, &221, &222, &223, 236, 238

**Vietnamese: VIET** &121, &122, &123

## INDIVIDUALS, CULTURES, AND SOCIETIES (ICS) (Social Sciences)

**American Ethnic Studies: AME** 150, 151, 160, 201

**Anthropology: ANTH** &100, &106, 113, &125, 130, 135, 190, 201, &206, &210, 211, 212, 213, &216, &227, &228, 250, 270, 275

**American Sign Language: ASL** 120, 125

**Biology: BIOL** 150

**Economics: ECON** 100, 101, 102, &201, &202, 240

**Environmental Science: ENVS** &100, 101, 150, 160, 170, 200, 202, 206, 208, 214, 240, 294

**Geography: GEOG** &100, &200, 207, 230, 260

**History: HIST** 105, 106, 108, 120, &126, &127, &128, 131, 132, &136, &137, 138, 140, 145, &146, &147, &148, 150, 191, 200, 208, 210, 211, 212, &214, &219, 221, 230, 240, 241, 242, 251, 268, 269, 273

**Humanities: HUM** 105, 121, 170, 230

**International Studies: ISP** 101, 105, 110, 120, 160, 170, 200, 201, 205, 210, 220, 234, 251, 255, 260, 261, 270

**Philosophy: PHIL** &101, 102, 110, 111, 118, 160, 215, 210, 220, 240, 245, 250, 255, 267

**Political Science: POLS** &101, 105, 111, 112, 170, &200, &201, &202, &203, 205, 206, 213, 220, 255

**Psychology: PSYC** &100, 120, &200, 205, 207, 209, 210, 217, &220, 225, 230, 235, 245, 250, 255, 257, 260, 294

**Religion: REL** 150, 151


**Sociology: SOC** &101, 102, 105, 106, 107, 120, 130, 150, 170, &201, 215, 220, 230, 245, 250, 253, 265, 271, 275, 280

**Social Science: SSC** 101, 103, 187, 330

**Social Welfare: SWF** 200

**STEM: STEM** 118

**Women's Studies: WMN** 140, 200, 205, 213, 257

Turn over for Natural  
World (NW) listing 

**\*\*NOTE – Classes listed are offered at one or more of the Seattle Colleges. Please check MyNorth or talk with your advisor about what is available at North.**

# Areas of Knowledge Distribution Requirements

## THE NATURAL WORLD (NW) (Natural and Physical Sciences, Mathematics)

\*Denotes lab science class

**Anatomy & Physiology: BIOL** 128\*, &241\*, &242\*

**Astronomy: ASTR** &100, 102\*, 104\*, &110\*, &115\*, 201

**Biology: BIOL** &100\*, 102\*, 106\*, 107\*, 109, 120\*, 125\*, 128\*, 130\*, 150, &160\*, 161\*, 195, 196, &211\*, &212\*, &213\*, 228\*, 229\*, 239\*, &260\*, 282\*, 285\*, 286\*, 287\*, 290, SPS 201\*

**Botany: BOT** 110\*, 112\*, 113\*

**Chemistry: CHEM** 106\*, &110\*, &121\*, &122\*, &123\*, &131\*, &139, &161\*, &162\*, &163\*, 191\*, 192\*, 211\*, &241, &242, &243, &251\*, &252\*, 255, 256, &261, &262, &263

**Environmental Science: ENVS** &100, &101\*, 150, 160, 170, 199, 201, 202\*, 203, 204\*, 205, 206\*, 208, 216\*, 221

**Geology: GEOL** &101\*, &103\*, 104\*, 105\*, 106, 108\*, &110\*, 111\*, &115\*, 118\*, 202\*, 207\*, &208\*

**Health: HEA** 125, 150, 160,, 225, 228

**Meteorology: MEY** 100

**Material Science: MSC** 101

**Nanotechnology: NANO** 101\*

**Nutrition: NTR** 105\*, 150, 155 **NUTR** 100, &101

**Oceanography: OCEA** &100, &101\*

**Physics: PHYS** &100, 107\*, &114\*, &115\*, &116\*, &121\*, &122\*, &123\*, &221\*, &222\*, &223\*

**Science: SCI** 100, 101\*, 104, 107\*, 110\*, 111\*, 112\*, 113\*, 114\*, 115\*, 116\*, 117\*, 118\*, 119\*, 121\*, 122\*, 129\*, 131\*, 132\*, 133\*

**STEM: STEM** 118

**Sustainability: SUST** 101

## THE NATURAL WORLD – RESTRICTED (check your degree requirements)

●AA-DTA: Up to five credits total allowed

●AB-DTA: No restricted classes allowed in NW category (Math&148 or 151 fulfills QSR requirement)

●AS-DTA, AS-Track degrees: no restrictions, consult advisor for help selecting courses for your major

**Anthropology: ANTH** &204, &205, 275

**Computer Science: CSC** 110, 111, 142, 143

**Engineering: ENGR** 110, &111, 140, 142, &204, &214, &215, &224, &225, 240, &242, 271

**Geography: GEOG** 205

**Math: All MATH** college transfer courses number 102 and above. Technical math courses NOT usable for transfer purposes.

**Philosophy: PHIL** &106, &120

**Psychology: PSYC** 217, 222

\*\*NOTE – Classes listed are offered at one or more of the Seattle Colleges. Please check MyNorth or talk with your advisor about what is available at North.