

SEATTLE COLLEGES
ASSOCIATE IN COMPUTER SCIENCE DTA/MRP (effective through Summer 2025)

FOR PLANNING PURPOSES ONLY - UNOFFICIAL

Name: _____ Date: _____ Prepared By: _____
 Transferring to: _____ Intended Area of Study: _____

BASIC REQUIREMENTS - 15 CREDITS

	Courses	YRQ	GR	CR	NEED	TR
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						TOTAL

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).

DISTRIBUTION REQUIREMENTS - 45 CREDITS

See separate Areas of Knowledge Distribution Requirements handout for a full list of courses for each area.

	Courses	YRQ	GR	CR	NEED	TR
VISUAL, LITERARY & PERFORMING ARTS (VLPA) 15 Credits <input type="checkbox"/> Min. 2 different subjects						
						TOTAL

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

NATURAL WORLD (NW) 15 Credits	PHYS& 221					
	PHYS& 222					
	MATH& 152					
						TOTAL

MAJOR REQUIREMENTS - 10 CREDITS

	Courses	YRQ	GR	CR	NEED	TR
Programming 1 and 2	CSC 142					
	CSC 143					
						TOTAL

UNIVERSITY SPECIFIC REQUIREMENTS & ELECTIVES- 20 CREDITS

	Courses	YRQ	GR	CR	NEED	TR
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.						
						TOTAL

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>).

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 (Humanities) or ICS (Social Sciences) at that institution.

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.

DEGREE TOTAL 90 CREDITS	CREDITS COMPLETED:	
	CREDITS REMAINING:	

DEGREE SPECIFIC REQUIREMENTS

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

Please refer to the current Areas of Knowledge Distribution Requirements.

University Specific Advising Notes[^]

CWU – Two Java courses

EWU – ENGL& 102, Introductory Ethics (PHIL 212), Linear Algebra (Math 231), Digital Circuits (EENG 160)

Gonzaga – PHIL& 101, CMST& 101, Ethics, PHYS& 223, Discrete Math. Recommends Calculus 4, Critical Thinking (Symbolic Logic), Differential Equations, and Intro to Literature to fulfill graduation requirements.

Heritage – Two Java courses, PHYS& 223. Discrete Math and Statistics will be evaluated for comparability to Heritage’s SPSC 231 and Math 221 courses#.

Pacific Lutheran – 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#.

Seattle Pacific – Physical, Biological and/or earth sciences with lab (5 credits). Prefers C++ but accepts Java with SPU bridge course. Math& 153 will be evaluated for comparability to SPU’s Math 1236#.

Seattle U – 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#.

UW Bothell – Two courses in one language: C Sharp, C++ or Java, Statistics instead of Calculus 3.

UW Seattle – Two Java courses

UW Tacoma – 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.

WSU (all campuses) – MATH&163 and MATH224^^^, Physical, Biological and/or earth sciences with lab (5 credits), PHYS& 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.

WSU Pullman – PHIL& 120. Recommends macro or micro economics to meet five credits of the social science requirement.

WSU Tri-Cities – Two C++ courses, PHIL& 120. Recommends macro or micro economics to meet five credits of the social science requirement.

WSU Vancouver – ECON& 201 or ECON& 202

WWU – Physical, Biological and/or earth sciences with lab (5 credits), PHYS& 223

Whitworth – Oral Communication (5 credits), PHYS& 223. Recommends electives include one Fine Art and one course fulfilling “American Diversity”.

Other institutions – Two courses in either C++ or Java

[^] Based on 2016 Statewide Agreement

^{^^} 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.

^{^^^} 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.**