

Articulation Agreement (2021)

Northwestern Polytechnic University (NPU) & Hartnell College

| NPU Bachelor of Science in Computer Science (BSCS) | | | | | |
|---|--|---|---|---------------------------------|-----------------------|
| NPU Degree Requirements | Required NPU course or course category | Specific Hartnell College Course(s) (2020 – 2021 Catalog) | CSU GE Breadth ¹ equivalent | C-ID ² equivalent | |
| General Education Requirements (40 semester Units) | English & Communications (12 semester credits) | ENGL 101 Expository Writing | ENG-1A College Composition & Reading <u>or</u> ENG-1AX Intensive College Composition & Reading | A2/A3 | ENGL 100/ ENGL 110 |
| | | ENGL 115 Public Speaking | COM-1 Introduction to Public Speaking | A1 | COMM 110 |
| | | ENGL 425 Modern American Literature | ENG-47B Survey of American Literature II | C2 | ENGL 135 |
| | | 3 additional credits in area | Any course with a CSU GE A1, A2 and/or A3 designator | A1/A2/A3 | n/a |
| | | | | | |
| | Humanities (6 semester credits) | 6 credits in area | Any course with a CSU GE C1 and/or C2 designator | C1/C2 | n/a |
| | | | | | |
| | Mathematics and Natural Sciences (16 semester credits in BSCS) | MATH 201 Calculus I | MAT-3A Analytic Geometry & Calculus I | n/a | MATH 210 |
| | | MATH 202 Calculus II | MAT-3B Analytic Geometry & Calculus II | n/a | MATH 220 |
| | | MATH 203 Linear Algebra | MAT-4 Linear Algebra | n/a | MATH 250 |
| MATH 208 Probability and Statistics | | MAT-13 Elementary Statistics | n/a | MATH 110 | |
| PHYS 201/201L Physics I with Lab | | PHY4A General Physics/Mechanics <u>or</u> PHY4B General Physics/Electricity & Magnetism <u>or</u> A course with a CSU GE Breadth designator B1 or B2 (with B3 for lab) that earned at least 4 semester units | B1, B3 | PHYS 205 | |
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¹ Courses without a CSU GE Breadth Designator will be evaluated individually

² Courses without a C-ID designator will be evaluated individually

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|---|--|---|--|-----|----------|
| | Social Sciences (6 semester credits) | 6 credits in area | 6 semester credits Any course(s) with CSU GE Breadth Area D | D | n/a |
| Major Course Requirements (65 credits BSCS) | | | | | |
| Core Course Requirements (50 units BSCS) | | CE305 Computer Organization | CSS-3 Computer Architecture & Assembly Language Programming | n/a | COMP 142 |
| | | CS 200 Discrete Logic | CSS-7 Discrete Structures <u>or</u> MAT-7 Discrete Mathematics | n/a | COMP 152 |
| | | CS230/230L Linux & Shell Scripting/Lab | CSS-57 Introduction to UNIX/Linux | n/a | n/a |
| | | CS350/350L Data Structures/Lab | CSS-2B Data Structures & Algorithms | n/a | COMP 132 |
| | | CS360/360L Programming in C and C++/Lab | CSS-2A Object Oriented Programming | n/a | COMP 122 |
| | | P450 Career Development | COU-23 Student Skills for Success: Career Development | n/a | n/a |
| | | All other major course requirements not listed above (31 units) | No equivalent courses | n/a | n/a |
| Specialization Course Requirement (15 units BSCS) | | CS470 Network Engineering and Management | CSS-120A Introduction to Networks <u>or</u> CSS-50 Introduction to Networks: CCNA 1 | n/a | n/a |
| | | Complete four additional Specialization Courses (12 units) | No equivalent courses | n/a | n/a |
| Electives | | 15 semester credits in area | 15 semester credits Any course identified as transferable to CSU or UC. | n/a | n/a |

Articulation Agreement (2021)

Northwestern Polytechnic University (NPU) & Hartnell College

| NPU Bachelor of Science in Business Administration (BSBA) | | | | | |
|---|---|---|---|------------------------------|----------------------|
| NPU Degree Requirements | Required NPU course or course category | Specific College of Hartnell College Course(s) (2020 – 2021 Catalog) | CSU GE Breadth ¹ equivalent | C-ID ² equivalent | |
| General Education Requirements (36 semester Units) | English & Communications (12 semester credits) | ENGL 101 Expository Writing | ENG-1A College Composition & Reading or ENG-1AX Intensive College Composition & Reading | A2/A3 | ENGL 100/ ENGL110 |
| | | ENGL 115 Public Speaking | COM-1 Introduction to Public Speaking | A1 | COMM 110 |
| | | ENGL 425 Modern American Literature | ENG-47B Survey of American Literature II | C2 | ENGL 135 |
| | | 3 additional credits in area | Any course with a CSU GE A1, A2 and/or A3 designator | A1/A2/A3 | n/a |
| | Humanities (6 semester credits) | 6 credits in area | Any course with a CSU GE C1 and/or C2 designator | C1/C2 | n/a |
| | Mathematics and Natural Sciences (9 semester credits in BSBA) | MATH 208 Probability and Statistics | MAT-13 Elementary Statistics or MAT-18 Integrated Statistics II or MAT-118 Integrated Statistics I | n/a | MATH 110 |
| | | PHYS 101 Introduction to Physical Sciences | PHY-10 Introduction to Physics or transfer courses acceptable in lieu of: Physical Sciences or Biological Sciences (CSU areas B1, B2 or IGETC areas 5A, 5B) | B1, B2 | n/a |
| | | 3 additional credits in area | Any course with a CSU GE Breadth designator B1, B2, B3, and/or B4 | B1/B2/B3/ B4 | n/a |
| | Social Sciences (9 semester credits) | 9 credits in area | 9 semester credits Any course(s) with CSU GE Breadth Area D | D | n/a |
| | Major Course Requirements (60 credits BSBA) | | | | |

¹ Courses without a CSU GE Breadth Designator will be evaluated individually

² Courses without a C-ID designator will be evaluated individually

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|---|---|---|-----|----------|
| Core Course Requirements (45 credits BSBA) | ACC 201 Principles of Accounting I | BUS-1A Financial Accounting | n/a | ACCT 110 |
| | BLAW310 Introduction to Business Law | BUS-18 The Legal Environment of Business | n/a | BUS 125 |
| | ECON 201 Macroeconomics | ECO-1 Principles of Macroeconomics | n/a | ECON 202 |
| | ECON 202 Microeconomics | ECO-5 Principles of Microeconomics | n/a | ECON 201 |
| | IT221 HTML & CSS Web Page Construction | CSS-25 Multimedia Integration <u>or</u> (CSS-64 HTML 5 <u>and</u> CSS-3 Web Development) | n/a | n/a |
| | MGT 451 Agile Project Management | CSS-27 Digital Project Management & Content Development | n/a | n/a |
| | P450 Career Development | COU-23 Student Skills for Success: Career Development | n/a | n/a |
| | All other major course requirements not listed above (23 units) | No equivalent courses | n/a | n/a |
| Specialization Course Requirement (15 units BSBA) | ACC202 Principles of Accounting II | BUS-1B Managerial Accounting | n/a | ACCT 120 |
| | IT337 JavaScript | CSS-29 Programming for Multimedia | n/a | n/a |
| | Complete three additional Specialization Courses (9 units) | No equivalent courses | n/a | n/a |
| Electives | 24 semester credits in area | 24 semester credits Any course identified as transferable to CSU or UC. | n/a | n/a |

This agreement will automatically renew each year. In the event of significant curriculum change, NPU staff is responsible for updating the agreement.

Monica Sinha, Director of Admissions & Special Projects

NPU Staff Member (name, title)

October 1, 2021

Date