

## Articulation Agreement (2021)

### Northwestern Polytechnic University (NPU) & Merritt College

NPU Bachelor of Science in Computer Science (BSCS)					
NPU Degree Requirements		Required NPU course or course category	Specific Merritt College Course(s) (2020 – 2021 Catalog)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent
General Education Requirement (40 semester credits)	English & Communications (12 semester credits)	ENGL 101 Expository Writing	ENGL 1A	A2	ENGL 100
		ENGL 115 Public Speaking	COMM 45	A1	COMM 110
		ENGL 425 Modern American Literature	No equivalent courses	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)	MATH 201 Calculus I	MATH 3A	n/a	MATH 210
		MATH 202 Calculus II	MATH 3B	n/a	MATH 220
		MATH 203 Linear Algebra	MATH 3E	n/a	MATH 250
		MATH 208 Probability and Statistics	MATH 13	n/a	MATH 110
		PHYS 201/201L Physics I with Lab	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
	Social Sciences (6 semester credits)	SOC 450 Emotional Intelligence	No equivalent courses	n/a	n/a
		3 additional credits in area	3 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a
		CE305 Computer Organization	CIS 78	n/a	COMP 142

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

<sup>2</sup> Courses without a C-ID designator will be evaluated individually

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<b>Major course requirements</b> (65 units)	<b>CS 200</b> Discrete Logic	<b>CIS 11</b>	n/a	COMP 152
	<b>CS250/250L</b> Introduction to Programming/Lab	<b>CIS 6 and CS 20</b>	n/a	n/a
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>CIS 40</b>	n/a	n/a
	<b>CS470</b> Network Engineering and Management	<b>CIS 73 and CIS 106A</b>	n/a	n/a
	<b>CS 477</b> Ethical Hacking & Penetration Testing	<b>CIS 55</b>	n/a	n/a
	<b>CS487</b> Object-Oriented Design and Implementations	<b>CIS 33</b>	n/a	COMP 132
	<b>P450</b> Career Development	<b>COUN 57</b>	n/a	n/a
	All other major course requirements not listed above (41 units)	No equivalent courses	n/a	n/a
<b>Electives</b>	15 (BSCS) semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a

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### Northwestern Polytechnic University (NPU) & Merritt College

NPU Bachelor's in Business Administration & Information Sciences (BBAIS)					
NPU Degree Requirements	Required NPU course or course category	Specific College of Merritt Course(s) (2020 – 2021 Catalog)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent	
<b>General Education Requirement (36 semester credits)</b>	<b>English &amp; Communications</b> (12 semester credits)	<b>ENGL 101</b> Expository Writing	<b>ENGL 1A</b>	A2/A3	ENGL 100
		<b>ENGL 115</b> Public Speaking	<b>COMM 45</b>	A1	COMM 110
		<b>ENGL 425</b> Modern American Literature	No equivalent courses	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
	<b>Humanities</b> (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
	<b>Mathematics and Natural Sciences</b> (9 semester credits)	<b>MATH 208</b> Probability and Statistics	<b>MATH 13</b>	n/a	MATH 110
		<b>PHYS 101</b> Introduction to Physical Sciences	<b>PHYS 4A</b> 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
	<b>Social Sciences</b> (9 semester credits)	<b>SOC 450</b> Emotional Intelligence	No equivalent courses	n/a	n/a
		6 additional credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a
		<b>ACC 201</b> Principles of Accounting I	<b>BUS 1A</b> or <b>BUS 20</b>	n/a	ACCT 110

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

<sup>2</sup> Courses without a C-ID designator will be evaluated individually

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### Northwestern Polytechnic University (NPU) & Merritt College

<b>Major Requirements</b> (60 trimester credits)	<b>ACC 202</b> Principles of Accounting II	<b>BUS 1B</b>	n/a	ACCT 120
	<b>BAN199</b> Excel for Finance, Accounting & Analytics	<b>CIS 42</b>	n/a	n/a
	<b>BLAW310</b> Introduction to Business Law	<b>BUS 2</b>	n/a	n/a
	<b>ECON 201</b> Macroeconomics	<b>ECON 1</b>	n/a	ECON 202
	<b>ECON 202</b> Microeconomics	<b>ECON 2</b>	n/a	ECON 201
	<b>IT221</b> HTML & CSS Web Page Construction	<b>CS 43</b>	n/a	n/a
	<b>IT223</b> SQL & Relational Databases	<b>CIS 40</b>	n/a	ITIS 180
	<b>IT335</b> Python Introduction for Commerce	<b>CS 20</b>	n/a	ITIS 180
	<b>IT337</b> JavaScript	<b>CIS 56</b>	n/a	n/a
	<b>MGT 310</b> Principles of Management	<b>BUS 50</b>	n/a	n/a
	<b>MGT 451</b> Agile Project Management	<b>CIS 51 or CIS 179</b>	n/a	n/a
	<b>MKT310</b> Principles of Marketing	<b>BUS 70</b>	n/a	n/a
	<b>P450</b> Career Development	<b>COUN 57</b>	n/a	n/a
	All other major course requirements not listed above (21 units)	No equivalent courses	n/a	n/a
<b>Electives</b>	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)

**12/8/2020**  
Date