

## Articulation Agreement (2021)

### Northwestern Polytechnic University (NPU) & Cerro Coso College

NPU Bachelor of Science in Computer Science (BSCS)					
NPU Degree Requirements	Required NPU course or course category	Specific Cerro Coso Course(s) (2020 – 2021 Catalog)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent	
General Education Requirements (40 semester Units)	English & Communications (12 semester credits)	<b>ENGL 101</b> Expository Writing	<b>ENGL C101</b>	A2	ENGL 100
		<b>ENGL 115</b> Public Speaking	No equivalent courses	A1	COMM 110
		<b>ENGL 425</b> Modern American Literature	<b>ENGL C242</b>	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)	<b>MATH 201</b> Calculus I	<b>MATH C151</b>	n/a	MATH 210
		<b>MATH 202</b> Calculus II	<b>MATH C152</b>	n/a	MATH 220
		<b>MATH 203</b> Linear Algebra	<b>MATH C257</b>	n/a	MATH 250
		<b>MATH 208</b> Probability and Statistics	<b>MATH C121</b> or <b>MATH C121H</b>	n/a	MATH 110
		<b>PHYS 201/201L</b> Physics I with Lab	<b>PHYS C111</b> , or <b>PHYS C113</b> , or <b>PHYS C211</b> , or A CSU GE Breadth designator B1 or B2 course (with B3 for lab) earning 4(+) semester units	B1, B3	PHYS 205
	Social Sciences (6 semester credits)	<b>SOC 450</b> 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

<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 BSCS)	<b>BUS450</b> Professional & Technical Writing	<b>BSAD C 145</b>	n/a	n/a
	<b>CE305</b> Computer Organization	<b>CSCI C257</b>	n/a	COMP 142
	<b>CS 200</b> Discrete Logic	<b>CSCI C255</b>	n/a	COMP 152
	<b>CS360/360L</b> Programming in C and C++/Lab	<b>CSCI C265</b>	n/a	COMP 122
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>IT C270</b> <u>and</u> a relevant data organization course/lab <sup>3</sup>	n/a	n/a
	<b>CS 477</b> Ethical Hacking & Penetration Testing	<b>IT C255</b>	n/a	n/a
	<b>CS480/480L</b> Java and Internet Applications/ Java Programming Lab	<b>CSCI C267</b> <u>and</u> a relevant programming language course/lab <sup>3</sup>	n/a	n/a
	<b>CS487</b> Object-Oriented Design and Implementations	<b>CSCI C254</b>	n/a	COMP 132
	<b>P450</b> Career Development	<b>COLL C100</b>	n/a	n/a
	All other major course requirements not listed above (37 units)	No equivalent courses	n/a	n/a
<b>Electives</b>	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a

<sup>3</sup> Courses combined to meet unit requirement will be evaluated individually

## Articulation Agreement (2021)

### Northwestern Polytechnic University (NPU) & Cerro Coso College

NPU Bachelor's in Business Administration & Information Sciences (BBAIS)					
NPU Degree Requirements	Required NPU course or course category	Specific College of Cerro Coso Course(s) (2020 – 2021 Catalog)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent	
<b>General Education Requirements (36 semester Units)</b>	<b>English &amp; Communications</b> (12 semester credits)	<b>ENGL 101</b> Expository Writing	<b>ENGL C101</b>	A2	ENGL 100
		<b>ENGL 115</b> Public Speaking	No equivalent courses	A1	COMM 110
		<b>ENGL 425</b> Modern American Literature	<b>ENGL C242</b>	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 in BBAIS)	<b>MATH 208</b> Probability and Statistics	<b>MATH C121 or MATH C121H</b>	n/a	MATH 110
		<b>PHYS 101</b> Introduction to Physical Sciences	Physical Sciences or Biological Sciences courses (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>BSAD C101</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) & Cerro Coso College

<b>Major Requirements</b> (60 trimester credits BBAIS)	<b>ACC 202</b> Principles of Accounting II	<b>BSAD C102</b>	n/a	ACCT 120
	<b>BAN199</b> Excel for Finance, Accounting & Analytics	<b>BSOT C153 and BSOT C163</b>	n/a	n/a
	<b>BLAW310</b> Introduction to Business Law	<b>BSAD C131</b>	n/a	BUS 125
	<b>BUS450</b> Professional & Technical Writing	<b>BSAD C145</b>	n/a	n/a
	<b>ECON 201</b> Macroeconomics	<b>ECON C102</b>	n/a	ECON 202
	<b>ECON 202</b> Microeconomics	<b>ECON C103</b>	n/a	ECON 201
	<b>IT221</b> HTML & CSS Web Page Construction	<b>DMA C117</b>	n/a	n/a
	<b>IT223</b> SQL & Relational Databases	<b>DMA C213</b>	n/a	ITIS 180
	<b>IT335</b> Python Introduction for Commerce	<b>DMA C214</b>	n/a	ITIS 180
	<b>IT337</b> JavaScript	<b>DMA C211</b>	n/a	n/a
	<b>MGT 310</b> Principles of Management	<b>BSAD C251</b>	n/a	n/a
	<b>MGT 451</b> Agile Project Management	<b>BSAD C220</b>	n/a	n/a
	<b>MKT310</b> Principles of Marketing	<b>BSAD C171</b>	n/a	n/a
	<b>P450</b> Career Development	<b>COLL C100</b>	n/a	n/a
All other major course requirements not listed above (18 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)

**January 25, 2021**

Date