

## Articulation Agreement (2021)

### Northwestern Polytechnic University (NPU) & Evergreen Valley College

NPU Bachelor of Science in Computer Science (BSCS)					
NPU Degree Requirements	Required NPU course or course category	Specific Evergreen Valley College Course(s) (2020 – 2021 Catalog)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent	
General Education Requirements (40 semester Units)	<b>English &amp; Communications</b> (12 semester credits)	<b>ENGL 101</b> Expository Writing	<b>ENGL 001A</b> English Composition	A2/A3	ENGL 100/ ENGL 110
		<b>ENGL 115</b> Public Speaking	<b>COMS 020</b> Oral Communication	A1	COMM 110
		<b>ENGL 425</b> Modern American Literature	<b>ENGL 084B</b> 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
	<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> (16 semester credits in BSCS)	<b>MATH 201</b> Calculus I	<b>MATH 066</b> Calculus I Late Transcendentals for Stem <u>or</u> <b>MATH 071</b> Calculus I with Analytic Geometry	n/a	MATH 210
		<b>MATH 202</b> Calculus II	<b>MATH 067</b> Calculus II Late Transcendentals for Stem <u>or</u> <b>MATH 072</b> Calculus II with Analytic Geometry	n/a	MATH 220
		<b>MATH 203</b> Linear Algebra	<b>MATH 079</b> Linear Algebra	n/a	MATH 250
		<b>MATH 208</b> Probability and Statistics	<b>MATH 063</b> Elementary Statistics <u>or</u> <b>BUS 060</b> Fundamentals of Business Statistics	n/a	MATH 110
		<b>PHYS 201/201L</b> Physics I with Lab	<b>PHYS 004A</b> General Physics <u>or</u> <b>PHYS 007A</b> Calculus-Based General Physics for Scientists & Engineers – I <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

<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>Social Sciences</b> (6 semester credits)	6 credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a
<b>Major Course Requirements (65 credits BSCS)</b>				
<b>Core Course Requirements</b> (50 units BSCS)	<b>CE305</b> Computer Organization	<b>COMSC 077</b> Introduction to Computer Systems	n/a	COMP 142
	<b>CS 200</b> Discrete Logic	<b>COMSC 072</b> Discrete Mathematics <u>or</u> <b>COMSC 080</b> Discrete Structures	n/a	COMP 152
	<b>CS230/230L</b> Linux & Shell Scripting/Lab	<b>CIT 050</b> Introduction to UNIX/LINUX <u>and</u> <b>CIT 052</b> UNIX/LINUX Shell Programming	n/a	n/a
	<b>CS250/250L</b> Introduction to Programming/Lab	<b>COMSC 075</b> Computer Science I: Introduction to Program Structures <u>and</u> <b>CIT 134A</b> Programming in Python	n/a	n/a
	<b>CS360/360L</b> Programming in C & C++/Lab	<b>COMSC 079C</b> Programming in C <u>and</u> ( <b>CIT 130A</b> Introduction to Programming Concepts & Methodologies in C++ <u>or</u> <b>ENGR 050</b> Introduction to Computing)	n/a	COMP 122
	<b>CS480/480L</b> Java & Internet Applications/Java Programming Lab	<b>CIT 132</b> Advanced Java Programming	n/a	n/a
	<b>P450</b> Career Development	<b>COUNS 013</b> Career Planning	n/a	n/a
	All other major course requirements not listed above (24 units)	No equivalent courses	n/a	n/a
<b>Specialization Course Requirement</b> (15 units BSCS)	<b>CS470</b> Network Engineering & Management	<b>CIT 073</b> Fundamentals of Data Communications & Networking <u>and</u> <b>CIT 076</b> Introduction to Wide Area Networks, Network Security & IP Addressing Services (CCNA)	n/a	n/a

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	<b>CS 477</b> Ethical Hacking & Penetration Testing	<b>CIT 164</b> Introduction to Cybersecurity: Ethical Hacking	n/a	n/a
	Complete Five Specialization Courses from above (9 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

## Articulation Agreement (2021)

### Northwestern Polytechnic University (NPU) & Evergreen Valley College

NPU Bachelor of Science in Business Administration (BSBA)					
NPU Degree Requirements	Required NPU course or course category	Specific Evergreen Valley College 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 001A</b> English Composition	A2/A3	ENGL 100/ ENGL110
		<b>ENGL 115</b> Public Speaking	<b>COMS 020</b> Oral Communication	A1	COMM 110
		<b>ENGL 425</b> Modern American Literature	<b>ENGL 084B</b> 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
	<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 BSBA)	<b>MATH 208</b> Probability and Statistics	<b>MATH 063</b> Elementary Statistics <u>or</u> <b>BUS 060</b> Fundamentals of Business Statistics	n/a	MATH 110
		<b>PHYS 101</b> Introduction to Physical Sciences	Any course in 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)	9 credits in area	9 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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### Northwestern Polytechnic University (NPU) & Evergreen Valley College

Major Course Requirements (60 credits BSBA)				
<b>Core Course Requirements</b> (45 credits BSBA)	<b>ACC 201</b> Principles of Accounting I	<b>ACCTG 001A</b> Principles of Financial Accounting	n/a	ACCT 110
	<b>BAN199</b> Excel for Finance, Accounting & Analytics	<b>BIS 102</b> Microsoft Excel	n/a	n/a
	<b>BLAW310</b> Introduction to Business Law	<b>BUS 071</b> Legal Environment of Business <u>or</u> <b>AJ 117</b> Introduction to Cybercrime	n/a	BUS 125
	<b>ECON 201</b> Macroeconomics	<b>ECON 010A</b> Principles of Macroeconomic Theory	n/a	ECON 202
	<b>ECON 202</b> Microeconomics	<b>ECON 010B</b> Introduction to Microeconomic Theory	n/a	ECON 201
	<b>IT221</b> HTML & CSS Web Page Construction	<b>CIT 041X</b> Introduction to XML	n/a	n/a
	<b>MGT 310</b> Principles of Management	<b>BUS 065</b> Concepts of Management	n/a	n/a
	<b>MKT310</b> Principles of Marketing	<b>BUS 084</b> Introduction to Marketing Principles	n/a	n/a
	<b>P450</b> Career Development	<b>COUNS 013</b> Career Planning	n/a	n/a
	All other major course requirements not listed above (21 units)	No equivalent courses	n/a	n/a
<b>Specialization Course Requirement</b> (15 units BSBA)	<b>ACC202</b> Principles of Accounting II	<b>ACCTG 001B</b> Managerial Accounting	n/a	ACCT 120
	<b>IT223</b> SQL & Relational Databases	<b>CIT 043A</b> PHP & MYSQL	n/a	ITIS 180
	<b>IT335</b> Python Introduction for Commerce	<b>CIT 134A</b> Programming in Python <u>or</u> <b>CIT 134B</b> Advanced Python Programming	n/a	ITIS 180
	<b>IT337</b> JavaScript	<b>CIT 041J</b> JavaScript/Dynamic HTML	n/a	n/a
	All other specialization courses not listed above (3 units)	No equivalent courses	n/a	n/a

## Articulation Agreement (2021)

### Northwestern Polytechnic University (NPU) & Evergreen Valley College

<b>Electives</b>	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a
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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)

**May 18, 2021**  
Date