

Articulation Agreement (2021)

Northwestern Polytechnic University (NPU) & Berkeley City College

NPU Bachelor of Science in Computer Science (BSCS)					
NPU Degree Requirements	Required NPU course or course category	Specific Berkeley City 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	ENGL 1A, Composition & Reading	A2/A3	ENGL 100/ ENGL 110
		ENGL 115 Public Speaking	COMM 45, Public Speaking	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 in BSCS)	MATH 201 Calculus I	MATH 3A, Calculus I	n/a	MATH 210
		MATH 202 Calculus II	MATH 3B, Calculus II	n/a	MATH 220
		MATH 203 Linear Algebra	MATH 3E, Linear Algebra	n/a	MATH 250
		MATH 208 Probability and Statistics	MATH 13, Introduction to Statistics	n/a	MATH 110
		PHYS 201/201L Physics I with Lab	PHYS 4A, General Physics with Calculus <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
	Social Sciences (6 semester credits)	6 credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a

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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Major course requirements (65 credits BSCS)				
Core Course Requirements (50 credits BSCS)	BUS450 Professional & Technical Writing	BIOL 32 , Scientific Literature & Writing	n/a	BUS 115
	CE305 Computer Organization	CIS 20 , Microcomputer Assembly	n/a	COMP 142
	CS250/250L Introduction to Programming/Lab	CIS 6 , Introduction to Computer Programming	n/a	n/a
	CS350/350L Data Structures/Lab	CIS 27 , Data Structures & Algorithms	n/a	COMP 132
	CS360/360L Programming in C & C++/Lab	CIS 25 , Object-Oriented Programming Using C++	n/a	COMP 122
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	CIS 84 , Database Programming for The Web	n/a	n/a
	CS480/480L Java and Internet Applications/ Java Programming Lab	CIS 36B , Java Programming Language II	n/a	n/a
	CS487 Object-Oriented Design & Implementations	CIS 82 , Design Patterns	n/a	COMP 132
	P450 Career Development	COUN 57 , Career & Life Planning	n/a	n/a
	All other core course requirements not listed above (18 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 credits BSCS)	Complete courses in the Specialization Course Requirement (15 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

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NPU Bachelor of Science in Business Administration (BSBA)					
NPU Degree Requirements	Required NPU course or course category	Specific College of Berkeley City 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	ENGL 1A , Composition & Reading	A2/A3	ENGL 100/ ENGL110
		ENGL 115 Public Speaking	COMM 45 , Public Speaking	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 (9 semester credits in BSBA)	MATH 208 Probability and Statistics	MATH 13 , Introduction to Statistics	n/a	MATH 110
		PHYS 101 Introduction to Physical Sciences	PHYS 3A , General Physics or PHYS 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

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

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Major Requirements (60 credits BSBA)				
Core Requirements (45 Semester credits BSBA)	ACC 201 Principles of Accounting I	BUS 1A , Financial Accounting	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	CIS 42B , Spreadsheet Applications II	n/a	n/a
	BLAW310 Introduction to Business Law	BUS 2 , Introduction to Business Law or BUS 7 , Entrepreneurial Law	n/a	BUS 125
	BUS450 Professional & Technical Writing	BIOL 32 , Scientific Literature & Writing	n/a	n/a
	ECON 201 Macroeconomics	ECON 1 , Principles of Economics (Macro-Economics)	n/a	ECON 202
	ECON 202 Microeconomics	ECON 2 , Principles of Economics (Micro-Economics)	n/a	ECON 201
	IT221 HTML & CSS Web Page Construction	CIS 104 , Survey of Programming Languages for The Web or (MM/MW 1A , Introduction to Web Design and MM/MW 1LA , Introduction to Web Design Lab)	n/a	n/a
	MGT 310 Principles of Management	BUS 9 , Introduction to Management	n/a	n/a
	MKT310 Principles of Marketing	BUS 70 , Introduction to Marketing	n/a	n/a
	P450 Career Development	COUN 57 , Career & Life Planning	n/a	n/a
All other major course requirements not listed above (18 units)	No equivalent courses	n/a	n/a	
Specialization Course Requirement (15 credits BSBA)	ACC 202 Principles of Accounting II	BUS 1B , Managerial Accounting	n/a	ACCT 120
	IT223 SQL & Relational Databases	CIS 84 , Database Programming for The Web	n/a	ITIS 180
	IT337 JavaScript	CIS 103 , Survey of Programming Languages for the Web—Continuation	n/a	n/a
	All other area of specialization course requirements not listed above (6 units)	No equivalent courses	n/a	n/a

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Electives	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)

5/18/2021
Date