

Northwestern Polytechnic University (NPU) & Monterey Peninsula College

NPU Bachelor of Science in Computer Science (BSCS)					
NPU Degree Requirements	Required NPU course or course category	Specific Monterey Peninsula 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 - College Composition <u>or</u> ENGL 1AE - College Composition: Enhanced	A2/A3	ENGL 100/ ENGL 110
		ENGL 115 Public Speaking	SPCH 1 - Public Speaking	A1	COMM 110
		ENGL 425 Modern American Literature	ENGL 40B - 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	MATH 20A - Calculus with Analytic Geometry I	n/a	MATH 210
		MATH 202 Calculus II	MATH 20B - Calculus with Analytic Geometry II	n/a	MATH 220
		MATH 203 Linear Algebra	MATH 31 - Linear Algebra	n/a	MATH 250
		MATH 208 Probability and Statistics	MATH 16 - Elementary Statistics	n/a	MATH 110
		PHYS 201/201L Physics I with Lab	PHYS 3A - Science & Engineering Physics I, or 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 units BSCS)	CE305 Computer Organization	CSIS 11 - Computer Architecture and Organization	n/a	COMP 142
	CS 200 Discrete Logic	CSIS 12 - Discrete Structure	n/a	COMP 152
	CS230/230L Linux & Shell Scripting/Lab	CSIS 80 - Introduction to Unix and Linux <i>(Meets CS230 requirement; CS230L not met)</i>	n/a	n/a
	CS250/250L Introduction to Programming/Lab	CSIS 9 - Programming Fundamentals: Python <i>(Meets CS250L requirement; NPU lecture course needed for hour deficiency)</i>	n/a	n/a
	CS350/350L Data Structures/Lab	CSIS 10B - Programming Method II: Java	n/a	COMP 132
	CS360/360L Programming in C and C++/Lab	CSIS 10C - Programming Methods I.5: C and C++	n/a	COMP 122
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	CSIS 51C - Database Processing <i>(Meets CS457L requirement; NPU lecture course needed for hour deficiency)</i>	n/a	n/a
	CS480/480L Java and Internet Applications/ Java Programming Lab	CSIS 10A - Programming Methods I: Java	n/a	n/a
	P450 Career Development	PERS 71 - Foundations of Career Choice	n/a	n/a
	All other major course requirements not listed above (19 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSCS)	CS470 Network Engineering and Management	CSIS 76A - Cisco Certified Network Associate (CCNA) 1	n/a	n/a
	CS 477 Ethical Hacking & Penetration Testing	CSIS 88 - Security Practices: Penetration Testing and Discovery	n/a	n/a

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	Complete Three Additional Specialization Courses (9 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 Monterey Peninsula College Course(s) (2020 – 2021 Catalog)	CSU GE Breadth ¹ equivalent	C-ID ² equivalent	
General Education Requirements (36 semester credits)	English & Communications (12 semester credits)	ENGL 101 Expository Writing	ENGL 1A - College Composition <u>or</u> ENGL 1AE - College Composition: Enhanced	A2/A3	ENGL 100/ ENGL110
		ENGL 115 Public Speaking	SPCH 1 - Public Speaking	A1	COMM 110
		ENGL 425 Modern American Literature	ENGL 40B - 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	MATH 16 - Elementary Statistics	n/a	MATH 110
		PHYS 101 Introduction to Physical Sciences	PHYS 2A - General Physics I, <u>or</u> 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

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

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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)				
Core Course Requirements (45 credits BSBA)	ACC 201 Principles of Accounting I	BUSI 1A - Financial Accounting	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	BUSC 150 - Computer Applications – Microsoft Excel <u>and</u> BUSC 151 - Microsoft Excel 2013: Introduction to Spreadsheets II	n/a	n/a
	BLAW310 Introduction to Business Law	BUSI 18 - Business Law	n/a	BUS 125
	ECON 201 Macroeconomics	ECON 2 - Principles of Economics: Macro	n/a	ECON 202
	ECON 202 Microeconomics	ECON 4 - Principles of Economics: Micro	n/a	ECON 201
	IT221 HTML & CSS Web Page Construction	CSIS 77 - Web Design & Publishing	n/a	n/a
	MGT 310 Principles of Management	BUSI 40 - Principles of Management	n/a	n/a
	MKT310 Principles of Marketing	BUSI 50 - Introduction to Marketing	n/a	n/a
	P450 Career Development	PERS 71 - Foundations of Career Choice	n/a	n/a
	All other major course requirements not listed above (21 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSBA)	ACC202 Principles of Accounting II	BUSI 1B - Managerial Accounting	n/a	ACCT 120
	IT335 Python Introduction for Commerce	CSIS 9 - Programming Fundamentals: Python	n/a	ITIS 180
	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