Articulation Agreement (2021)

Northwestern Polytechnic University (NPU) & Laney College

Only courses designated for transfer to CSU or UC are acceptable for transfer to NPU.

NPU Bachelor of Science in Computer Science (BSCS)				
NPU Degree Requirements		**Required NPU course or course category**	**Specific Laney 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	**ENGL 30B** Introduction to American Literature	C2	ENGL 135
		3 additional credits in area	Any course from CSU GE A1, A2 and/or A3	A1/A2/A3	n/a
	Humanities (6 semester credits)	6 credits in area	Any course from CSU GE C1 and/or C2	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, **or** A course from CSU GE Breadth B1 or B2 (with B3 for lab) that earned at least 4 semester units	B1, B3	PHYS 205

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[1] Courses without a CSU GE Breadth designation will be evaluated individually

[2] Courses without a C-ID articulation will be evaluated individually

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Social Sciences (6 semester credits)	6 credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a
Major course requirements (65 units BSCS)	**CS 200** Discrete Logic	**MATH 11** Discrete Mathematics	n/a	COMP 152
	CS350/350L Data Structures/Lab	**CIS 27** Data Structures & Algorithms	n/a	COMP 132
	CS360/360L Programming in C and C++/Lab	**CIS 25** Object-Oriented Programming Using C++	n/a	COMP 122
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	**CIS 99** Database Administration with SQL	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 and Implementations	**CIS 81** Systems Analysis with UML	n/a	COMP 132
	P450 Career Development	**COUN 57** Career & Life Planning	n/a	n/a
	All other major course requirements not listed above (44 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's in Business Administration & Information Sciences (BBAIS)				
NPU Degree Requirements	**Required NPU course or course category**	**Specific College of Laney Course(s) (2020 – 2021 Catalog)**	**CSU GE Breadth[1] equivalent**	**C-ID[2] equivalent**
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	**ENGL 30B** Introduction to American Literature	C2	ENGL 135
	3 additional credits in area	Any course from CSU GE A1, A2 and/or A3	A1/A2/A3	n/a
Humanities (6 semester credits)	6 credits in area	Any course from CSU GE C1 and/or C2	C1/C2	n/a
Mathematics and Natural Sciences (9 semester credits in BBAIS)	**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 3B** General 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 from CSU GE Breadth B1, B2, B3, and/or B4	B1/B2/B3/ B4	n/a
Social Sciences (9 semester credits)	9 additional credits in area	9 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a
	ACC 201 Principles of Accounting I	**BUS 1A** Financial Accounting	n/a	ACCT 110

General Education Requirements (36 semester Units)

[1] Courses without a CSU GE Breadth designation will be evaluated individually
[2] Courses without a C-ID accreditation will be evaluated individually

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Major Requirements (60 trimester credits BBAIS)	ACC 202 Principles of Accounting II	BUS 1B Managerial Accounting	n/a	ACCT 120
	BAN199 Excel for Finance, Accounting & Analytics	BUS 43B Introduction to Microsoft Excel for Business Applications	n/a	n/a
	BLAW310 Introduction to Business Law	BUS 2 Introduction to Business Law	n/a	BUS 125
	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
	IT223 SQL & Relational Databases	CIS 98 Database Programming with SQL **or** CIS 99 Database Administration with SQL	n/a	ITIS 180
	MGT 310 Principles of Management	M/SVN 60 Introduction to Management	n/a	n/a
	MGT 450 Organizational Behavior and Management	BUS 5 Human Relations in Business	n/a	n/a
	MGT 451 Agile Project Management	CONMT 18 Construction Project Management I	n/a	n/a
	MGT 460 Production & Operations Management	M/SVN 64 Organization & Management	n/a	n/a
	MGT 480 Entrepreneurship	BUS 76 E-Commerce/Entrepreneurship **or** ENGIN 110 Engineering Entrepreneurship	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 (21 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

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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   **April 6, 2021**
NPU Staff Member (name, title)   Date