

## Mills College

### Curriculum for the Khoury College of Computer Sciences

This course map outlines the academic program of study, per college and major, for students attending the NU Bound Program. These courses are selected for students who will transfer into the Khoury College of Computer Sciences. Students will register for Fall classes in Summer 2022 and will meet with their Northeastern academic advising office to finalize their course selections before program departure. Students will register for Spring classes in November 2022. All students will be enrolled in a full course-load each semester. See credits below. *Please note, all courses may be subject to change.*

#### Resources

- **NUpath.** For more information on Northeastern's Core Curriculum, please refer to the NUpath website: <https://www.northeastern.edu/core/>
- **Course descriptions.** Please refer to the guide on our website: <https://admissions.northeastern.edu/wp-content/uploads/2022/04/FA22-NU-Bound-Course-Description-Guide.pdf>
- **Academic Advising.** Your course selections are designed to match the curriculum for your chosen major. You will have the opportunity to discuss your course selections, AP/IB/transfer credit, and more during your summer advising session. Students will also be able to consult their NU academic advising office in October/November regarding their Spring classes.
- **Add/drop.** Once class begins, students may request a course change with their host institution during their add/drop period. However, students are discouraged from adding or dropping courses once they arrive on site because NU academic advising has already carefully reviewed, discussed, and confirmed fall classes. Any changes that students make to their course registration after they arrive on site may negatively impact their academic progress, so it is not recommended.

#### Course Registration Process

- **Step 1. April-May.** Review course maps and course description guides on GEO website.
- **Step 2. Early June.** Students make their initial course selections via their [Application Status Check](#) portal.
- **Step 3. June through July.** Students review course selections with their Northeastern academic advising office to finalize fall classes.
  - Your northeastern academic advising office will connect with you this summer to discuss academic planning; namely, the courses to take during your fall NU Bound semester.
  - Please be sure to check your Northeastern email regularly, as updates and outreach will be going to your Husky email address.
  - Please also note that each college may have a different procedure for reaching out to students. We assure you that you will have the opportunity to connect with your Northeastern academic advising office to review, discuss, and ultimately, confirm your final classes for the fall NU Bound semester.
- **Step 4. Early August.** Final classes are confirmed by Northeastern with partner institutions.
  - No further changes to course selections until add/drop- once students arrive on site.
- **Step 5. August & September.** Programs launch and students arrive.
  - Once class begins, students may request a course change during their host institution's add/drop period. Be sure to check your host institution's academic calendar during on-site orientation.
  - Course selections have already been reviewed and confirmed by your Northeastern academic college, so **course changes are strongly discouraged**. Any changes that students make to their course registration may negatively impact their academic progress.
  - Course changes are not guaranteed. Due to host institution class capacity and timetabling considerations, changes may not be possible.
- **Step 6. October & November.** Students consult with NU academic advising and plan for Spring courses.

**Majors: Computer Science and Combined Majors, Cybersecurity and Combined Majors**
**Fall 2022**

FOUNDATIONAL COURSES	NU COURSE EQUIVALENTS	NUPATH	NU CREDITS
Students must complete <u>one</u> of the following courses with the NU Bound Bay Area Program.			
Current Issues in Cities and Suburbs	POLS/SOCL 2358: Current Issues in Cities and Suburbs	DD, SI	4
Introduction to Languages, Literature, and Culture	CLTR 1120: Introduction to Languages, Literature, and Culture	IC	4
Native American Resistance: Past and Present	HIST 2000: Native American Resistance: Past and Present	DD, IC	4
Sex, Gender, and Popular Culture	SOCL 1102: Sex, Gender, and Popular Culture	DD, IC	4
Technology and Human Values	PHIL 1145: Technology and Human Values	SI, ER	4
The American Healthcare System	PHTH 1260: The American Healthcare System	SI	4
KHOURY COLLEGE OF COMPUTER SCIENCES REQUIRED COURSES	NU COURSE EQUIVALENTS	NUPATH	NU CREDITS
Students must complete the following <u>three</u> courses with the NU Bound Bay Area Program unless they have AP/IB/transfer credit.			
Discrete Structures with Seminar	CS 1800/1802: Discrete Structures with Seminar	FQ	5
First Year Writing	ENGW 1111: First Year Writing	WF	4
Fundamentals of Computer Science 1 with Lab	CS 2500/2501: Fundamentals of Computer Science 1 with Lab	ND, FQ	5
ELECTIVE COURSES	NU COURSE EQUIVALENTS	NUPATH	NU CREDITS
If a student has AP/IB/transfer credit for any required course, they may select an alternative course from the list below.			
Acting 1	THTR 1120: Acting 1	EI	4
American Government	POLS 1150: American Government	SI	4
Beginner/Intermediate Chinese	CHNS 1101, 1102, 2101, or 2102 Northeastern Chinese Courses	--	4
Beginner/Intermediate French	FRNH 1101, 1102, 2101, or 2102 Northeastern French Course	--	4
Beginner/Intermediate Spanish	SPNS 1101, 1102, 2101, or 2102 Northeastern Spanish Courses	--	4
Buildings and Cities, A Global History	ARCH 1310: Buildings and Cities, A Global History	DD, IC	4
Business Statistics	MGSC 2301: Business Statistics	AD	4
Calculus 2 for Science and Engineering <sup>‡</sup>	MATH 1342: Calculus 2 for Science and Engineering	FQ	4
Calculus for Business and Economics	MATH 1231: Calculus for Business and Economics	FQ	4
Color and Composition	ARTF 1122: Color and Composition	EI	4
Design Perspectives	ARTG 1001/1002: Design Perspectives and Studio	--	4
Environment and Society	SOCL 1246: Environment and Society	DD, SI	4
Environmental Science	ENVR 1101: Environmental Science	AD, ND	4
Foundations of Psychology	PSYC 1101: Foundations of Psychology	ND, SI	4
Fundamental Design	ARCH 1120: Fundamental Design	ND, EI	4
Fundamental Representation	ARCH 1110: Fundamental Representation	EI	4
Fundamentals of Western Music Theory	MUSC 1119: Fundamentals of Western Music Theory	EI	4
General Biology 1 with Lab	BIOL 1111/1112: General Biology 1 with Lab	ND, AD	5
General Chemistry for Science Majors	CHEM 1161/1162/1163: General Chemistry for Science Majors with Lab	ND	5
Globalization and International Affairs	INTL 1101: Globalization and International Affairs	SI	4
International Business and Global Social Responsibility	INTB 1203: International Business and Global Social Responsibility	IC, ER	4
Introduction to Communication Studies	COMM 1101: Introduction to Communication Studies	ER, SI	4
Introduction to Criminal Justice	CRIM 1100: Introduction to Criminal Justice	SI	4
Introduction to Environmental, Social, and Biological Data	ENVR 1500/1501: Introduction to Environmental, Social, and Biological Data with Lab	--	5
Introduction to Language and Linguistics	LING 1150: Introduction to Language and Linguistics	ND, SI	4
Introduction to Marketing	MKTG 2201: Introduction to Marketing	--	4
Introduction to Sociology	SOCL 1101: Introduction to Sociology	SI, DD	4
Introduction to the History of the United States	HIST 1130: Introduction to the History of the United States	DD, IC	4
Introduction to Theater	THTR 1101: Introduction to Theatre	EI, IC	4
Media, Culture, and Society	MSCR 1220: Media, Culture, and Society	IC, SI	4
Music in Everyday Life	MUSC 1001: Music in Everyday Life	EI, IC	4
Physics for Engineering 1 with Lab and ILS	PHYS 1151/1152/1153: Physics for Engineering 1 with Lab and ILS	ND, AD	5
Principles of Macroeconomics	ECON 1115: Principles of Macroeconomics	SI, AD	4
Principles of Microeconomics	ECON 1116: Principles of Microeconomics	SI, AD	4
Race, Crime and Justice	CRIM 3120: Race, Crime, and Justice	DD	4
Social Change and Human Services	HUSV 1101: Social Change and Human Services	SI, EX	4
The American Healthcare System *	PHTH 1260: The American Healthcare System	SI	4
Understanding Today's News	JRNL 1150: Understanding Today's News	DD, SI	4
Visual Intelligence	ARTH 1001/1002: Visual Intelligence with Seminar	IC	4
<b>Total credits transferred into Northeastern University</b>			<b>16 - 18</b>

<sup>‡</sup> Students must take this course in either the Fall or the Spring semester.

<sup>‡</sup> Course has a prerequisite. See Course Description Guide for more details.

\* If selected as the culture course, students must select an alternative from the elective courses.

**Majors: Computer Science and Combined Majors, Cybersecurity and Combined Majors**
**Spring 2023**

KHOURY COLLEGE OF COMPUTER SCIENCES REQUIRED COURSES	NU COURSE EQUIVALENTS	NUPATH	NU CREDITS
Students must complete the following <u>two</u> courses with the NU Bound Bay Area Program unless they have AP/IB/transfer credit.			
Calculus 1 for Science and Engineering	MATH 1341: Calculus 1 for Science and Engineering	FQ	4
Fundamentals of Computer Science 2 with Lab <sup>o</sup>	CS 2510/2511: Fundamentals of Computer Science 2 with Lab	ND, AD	5
ELECTIVE COURSES	NU COURSE EQUIVALENTS	NUPATH	NU CREDITS
Students choose <u>two</u> of the following courses with the NU Bound Bay Area Program.			
If a student has AP/IB/transfer credit for any required course, they may select an alternative course from the list below.			
African and Caribbean Literatures	CLTR 1261: Caribbean Literature and Culture	--	4
All Power to the People: Community Based Education in the Bay and Beyond	CAEP 3310: Say it Loud: The Black Power Movement and Higher Education	DD	4
Beginner/Intermediate Chinese	CHNS 1101, 1102, 2101, or 2102 Northeastern Chinese Courses	--	4
Beginner/Intermediate French	FRNH 1101, 1102, 2101, or 2102 Northeastern French Course	--	4
Beginner/Intermediate Spanish	SPNS 1101, 1102, 2101, or 2102 Northeastern Spanish Courses	--	4
Business Statistics	MGSC 2301: Business Statistics	AD	4
Calculus 2 for Science and Engineering <sup>o</sup>	MATH 1342: Calculus 2 for Science and Engineering	FQ	4
Calculus 3 for Science and Engineering <sup>o</sup>	MATH 2321: Calculus 3 for Science and Engineering	FQ	4
Calculus for Business and Economics	MATH 1231: Calculus for Business and Economics	FQ	4
Creative Writing <sup>o</sup>	ENGL 2700: Creative Writing	EI	4
Criminology	CRIM 1120: Criminology	SI	4
Current Issues in Cities and Suburbs	POLS/SOCL 2358: Current Issues in Cities and Suburbs	SI, DD	4
Design Perspectives	ARTG 1001/1002: Design Perspectives and Studio	--	4
Design Process Contexts and Systems	ARTG 1250: Design Process Context and Systems	EI	4
Developmental Psychology <sup>o</sup>	PSYC 3404: Developmental Psychology	--	4
Differential Equations & Linear Algebra <sup>o</sup>	MATH 2341: Differential Equations and Linear Algebra	--	4
Documentary Theater	THTR 1400: Documentary Theater	--	4
Environmental Ethics	PHIL 1180: Environmental Ethics	SI, ER	4
Ethics	PHIL1112: Debating Ethical Controversies	SI, ER	4
Financial Accounting and Reporting	ACCT 1201: Financial Accounting and Reporting	--	4
First Year Writing <sup>†</sup>	ENGW 1111: First-Year Writing	WF	4
Foundations of Psychology	PSYC 1101: Foundations of Psychology	ND, SI	4
Games and Society	GAME 1110: Games and Society	--	4
General Biology 2 with Lab <sup>o</sup>	BIOL 1113/1114: General Biology 2 with Lab	ND	5
General Chemistry for Science Majors with Lab	CHEM 1161/1162/1163: General Chemistry for Science Majors with Lab	ND	5
Global and Intercultural Communication	COMM 2303: Global and Intercultural Communication	SI, DD	4
Global Climate Change	ENVR 1110: Global Climate Change	ND, AD	4
Global Markets and Local Culture	ANTH 2305: Global Markets and Local Culture	IC	4
Healthcare Policy and Administration <sup>o</sup>	PHTH 2515: Healthcare Policy and Administration	--	4
History of the Western United States	HIST 2341: History of the Western United States	SI, DD	4
HONORS SEMINAR - PENDING	HONORS SEMINAR - PENDING	--	4
International Business and Global Social Responsibility	INTB 1203: International Business and Global Social Responsibility	IC, ER	4
International Relations	POLS 1160: International Relations	SI	4
Introduction to Building Systems	ARCH 2260: Introduction to Building Systems	ND	4
Introduction to Marketing	MKTG 2201: Introduction to Marketing	--	4
Introduction to Music Technology	MUST 1220: Introduction to Music Technology	AD	4
Introduction to Sociology	SOCL 1101: Introduction to Sociology	SI, DD	4
Journalism 1: Fundamentals of Reporting	JRNL 1101: Journalism 1: Fundamentals of Reporting	EI, SI, WI	4
Law, Resistance, & Identity: Indigenous Peoples in the "U.S." from 1900 – present	HIST 2000: Native American Resistance: Past and Present	DD, IC	4
Leadership for Social Change	HUSV 2355: Race, Identity, Social Change and Empowerment	DD	4
Media and Social Change	MSCR 1320: Media and Social Change	ER	4
Music in Everyday Life	MUSC 1001: Music in Everyday Life	EI, IC	4
Music Theory 1	MUSC 1201: Music Theory 1	--	4
Organic Chemistry 1 with Lab <sup>o</sup>	CHEM 2311/2312: Organic Chemistry 1 with Lab	--	5
Peoples and Cultures	ANTH 1101: Peoples and Cultures	IC	4
Physics for Engineering 1 with Lab and ILS	PHYS 1151/1152/1153: Physics for Engineering 1 with Lab and ILS	ND, AD	5
Physics for Engineering 2 with Lab <sup>o</sup>	PHYS 1155/1156/1157: Physics for Engineering 2 with Lab	ND, AD	5
Principles of Macroeconomics	ECON 1115: Principles of Macroeconomics	SI, AD	4

Principles of Microeconomics	ECON 1116: Principles of Microeconomics	SI, AD	4
Programming with Data with Practicum	DS 2000/2001: Programming with Data with Practicum	AD	4
Public Speaking	COMM 1112: Public Speaking	EI	4
Race and Ethnic Relations in the U.S.	SOCL 3270: Race and Ethnic Relations	SI, DD	4
Race, Gender, and the Criminal Justice System	CRIM 3120: Race, Crime, and Justice	DD	4
Site, Space, Program <sup>∅</sup>	ARCH 2130: Site, Space, Program	--	6
Social Psychology <sup>∅</sup>	PSYC 3402: Social Psychology	--	4
Sustainable Development <sup>∅</sup>	ENVR 2515: Sustainable Development	SI, WI	4
Technology and Human Values	PHIL 1145: Technology and Human Values	SI, ER	4
The World Since 1945	HIST 2211: The World Since 1945	SI, DD	4
Topics in Architectural History	ARCH 2370: Topics in Architectural History	WI	4
Topics in Dance	THTR 2863: Topics in Dance	--	4
Visual Intelligence	ARTH 1001/1002: Visual Intelligence with Seminar	IC	4
<b>Total credits transferred into Northeastern University</b>			<b>16 - 18</b>

*† Students must take this course in either the Fall or the Spring semester.*  
*∅ Course has a prerequisite. See Course Description Guide for more details.*