



ARTICULATION AGREEMENT: STUDENT TRANSFER GUIDE

The College of Professional Studies student transfer guide table is designed for prospective and current students looking for guidance on program requirements and transfer credits. Visit cps.northeastern.edu/admissions-aid/admissions-policies/bachelors-completion-transfer-policies for more information. If you have any questions, contact our Learner Services team at LearnerServices@northeastern.edu.

See the policy link above regarding courses completed at other institutions to determine your transfer eligibility.

Transferring from:

Franklin Cummings Tech

Transferring to:

Northeastern University College of Professional Studies

Key: Color Code Definitions

	Program requirements for transferring community college or institution
	Courses eligible for transfer credit
	Remaining course requirements if all eligible courses in the transfer agreement are awarded

College:	Franklin Cummings Tech	College:	Northeastern University College of Professional Studies	College:	Northeastern University College of Professional Studies
Program:	AS, Biotechnology	Program:	BS, Biotechnology	Program:	BS Biotechnology



Course Requirements	
Course	Credits
EN 129 - College Composition I Or	3
EN 130 - College Composition I Skills Prac.	
EN 140 - Composition II	3
BI 110 - Molecular Biology/Biotechnology	3
BI 112 - Good Lab Practices	1
BI 113 - Scientific Communication Seminar	3
MA 120 - College Algebra and Trigonometry	3
TS 103 - General Chemistry (with lab)	4
BI 114 Molecular Biology/Biotechnology II (Lab)	4
CT 250 - Fundamentals in Python	4
MA 270 - Statistics	3
TS 104 - Organic Chemistry & Bioch II (no lab)	3
BI 210 -Chem Mfg & Ctrl(CMC)/Biotechnology III	4
BI 211 - Success in Biotechnology Seminar	1
BI 212 - Analytical Chemistry III (no lab)	3
BI 216 - Data Analytics for Biotechnology III	3
BI 218 - Microbiology (no lab)	3
BI 220 Genetics & Proteomics Health & Disease	3
BI 221 - Internship/Project	4
EN 320 - Technical Communication	3

Continued on next page

Courses Eligible for Transfer Credit	
Course	Credits
ENG 1105 - College Writing I	3
ENG 1106 - Lab for ENG 1105 (Waived)	
ENG 1107 - College Writing II	3
ENG 1108 - Lab for ENG 1106 (Waived)	
BTC 1990 - Elective	3
BTC 1990 - Elective	1
BTC 1990 - Elective	3
MTH 1105 - Quant. Skis & Reasoning: Prac Mth	3
CHM 1100 - General Chemistry 1	3
CHM 1101 - Lab for CHM 1100	1
BTC 1300 - Introduction to Biotechnology	3
BTC 1301 - Lab for BTC 1300	1
ALY 2100 - Intro Programming Data Analytics	3
ALY 2990 - Elective	1
MTH 2310 Statistics Behavioral Social Sciences	3
CHM 2990- Elective	3
BTC 2990 - Elective	3
Non -Transferable	0
CHM 2990- Elective	3
BTC 2990 - Elective	3
BIO 2990 - Elective	3
BTC 2990 - Elective	3
BTC 2990 - Elective	4
TCC 2200 - Introduction to Technical Writing	3

Continued on next page

Remaining Course Requirements	
Course	Credits
Foundation Courses	
ENG 3105 - Writing for Prof: Sci & Engineering	3
ENG 3106 - Lab for ENG 3105	1
BIO 1100 - Principles of Biology 1	3
BIO 1101 - Lab for BIO 1100	1
BIO 1200 - Principles of Biology 2	3
BIO 1201 - Lab for BIO 1200	1
CHM 1200 - General Chemistry 2	3
CHM 1201 - Lab for CHM 1200	1
ITC 1000 - Computer Applications Or	3
ITC 2016 - End-User Data Analysis Tools	
PHL 2140-Ethical Issues Science & Engineering	3
ENG 1106/ENG 1108 - Labs	2
Major Courses	
BTC 4300 - Biotechnology & Pharm Processing	3
BTC 4301 - Lab for BTC 4300	1
CHM 2110 Organic Chemistry 1	3
CHM 2111 - Lab for CHM 2110	1
CHM 2200 - Organic Chemistry 2	3
CHM 2301 - Lab for CHM 2300	1
CHM 2300 Analytical Chemistry	3
CHM 2301 Lab for CHM 2300	1
BIO 2100 Microbiology	3
BIO 2101 - Lab for BIO 2100	1

Continued on next page



Course Requirements (Continued)	
Course	Credits
Required Elective Courses	
BI 214 - Bioinformatics &	3
BI 215 - Regulatory Affairs & Quality Control	3

Note: Elective Courses listed above are required to reach max award.

AS, Total Required: 64 Semester hours

AS, Total Requirements Mapped	64
-------------------------------	----

Courses Eligible for Transfer Credit (Continued)	
Course	Credits
Required Elective Courses	
BTC 2990 - Elective	3
BTC 4450 - Quality Control Validation Issues	3

Note: Courses in black text above are mapped to open elective requirements.

BS, Total Eligible awards up to 60 semester hours.

BS, Total Eligible Awards	62
---------------------------	----

Remaining Course Requirements (Continued)	
Course	Credits
BIO 2300 - Cell Biology	3
BIO 3100 - Biochemistry	3
BIO 3101 - Lab for BIO 3100	1
BIO 2500 - Genetics and Molecular Biology	3
BIO 2501 - Lab for BIO 2500	1
BTC 4850 - Biotechnology Senior Project	3
Elective Courses	
Professional Electives 15 semester hours:	0
Open Electives 27 semester hours:	0

Note: ENG 1106/1107 Labs waived replace with open electives.

BS, Total Required: 120 semester hours.

BS, Total Requirements Remaining	58
----------------------------------	----

Requirement Details		
Required Courses/Major Electives	Transfer	Remaining
Foundation courses 37 semester hours required.	13	24
Major Requirements 41 semester hours required (including Capstone)	7	34
Major electives: 15 Semester hours: BIO, BTC, HSC, PHY, MTH 2100, MTH 2105	15	0
Total Required/Major and Foundation	35	58
Electives	Transfer	Remaining
General electives: 27 semester hours required.	27	0
Totals	62	58

Total Program Requirements:	120
Total Eligible Transfer Awards:	62
Total Remaining Requirements:	58

Transfer Award

Eligible = T

Plan of Study:

Biotechnology, BS

Term 1	Course	Credit Hours	NUpath
	ENG 1105 - College Writing 1	T	WF
	ENG 1106 - Lab for ENG 1105 (waived)	1	
	BIO 1100 - Principles of Biology 1	3	
	BIO 1101 - Lab for BIO 1100	1	ND
	CHM 1100 - General Chemistry 1	T	
	CHM 1101 - Lab for CHM 1100	T	ND
	MTH 2310 - Statistics Behavioral & Social Sciences	T	FQ AD
Total Required			
15	Total Remaining	5	

Term 2	Course	Credit Hours	NUpath
	ENG 1107 - College Writing 2	T	WF
	ENG 1108 - Lab for ENG 1107 (waived)	1	
	BIO 1200 - Principles of Biology 2	3	ND
	BIO 1201 - Lab for BIO 1200	1	
	CHM 1200 - General Chemistry 2	3	ND
	CHM 1201 - Lab for CHM 1200	1	
	ITC 1000 Computer Applications Or	3	
	ITC 2016 - End-User Data Analysis Tools		AD
Total Required			
15	Total Remaining	12	

Term 3	Course	Credit Hours	NUpath
	CHM 2110 - Organic Chemistry 1	3	
	CHM 2111 - Lab for CHM 2110	1	
	BIO 2100 - Microbiology	3	
	BIO 2101 - Lab for BIO 2100	1	
	Course - Open elective	T	
	Course - Open elective	T	
Total Required			
14	Total Remaining	8	

Term 4	Course	Credit Hours	NUpath
	CHM 2200 - Organic Chemistry 2	3	
	CHM 2201 - Lab for CHM 2200	1	
	BTC 1300 - Introduction to Biotechnology	T	
	BTC 1301 - Lab for BTC 1300	T	
	BIO 2300 - Cell Biology	3	
	Course - Major elective	T	
Total Required			
14	Total Remaining	7	

Continued on next page


CONTACT US at enroll@northeastern.edu to put your bachelor's degree within reach.

Printed: July 2024

Transfer Award

Eligible = T

Plan of Study:

Biotechnology, BS

Term 5	Course	Credit Hours	NUpath
Total Required	ENG 3105 - Writing for the Professions: Science Engin	3	WD
	ENG 3106 - Lab for ENG 3107	1	
	CHM 2300 - Analytical Chemistry	3	WI
	CHM 2300 - Lab for CHM 2300	1	
	BIO 2500 - Genetics and Molecular Biology	3	
	BIO 2501 - Lab for BIO 2500 Open elective	1	
	BTC 4300 - Biotechnology Pharmaceutical Processing	3	
	BTC 4301 - Lab for BTC 4300	1	
16	Total Remaining	16	

Term 6	Course	Credit Hours	NUpath
Total Required	BIO 3100 - Biochemistry	3	WI
	BIO 3101 - Lab for BIO 3100	1	
	BTC 4450 - Quality Control Validation Issues	T	
	PHL 2140 - Ethical Issues in Science and Engineering	3	ER
	Course - Open elective	T	
	Course - Open elective	T	
16	Total Remaining	7	

Term 7	Course	Credit Hours	NUpath
Total Required	Course - BTC elective	T	
	Course - BTC elective	T	
	Course - Open elective	T	
	Course - Open elective	T	
	Course - Open elective	T	
15	Total Remaining	0	

Term 8	Course	Credit Hours	NUpath
Total Required	BTC 4850 - Biotechnology Senior Project	3	WI CE
	Course - BTC elective	T	
	Course - Major elective	T	
	Course - Open elective	T	
	Course - Open elective	T	
15	Total Remaining	3	



NUpath CODE	NUpath Requirements	NUpath Transfer Eligible	NUpath Remaining
ND	Natural/Designed World	CHM 1100	T
EI	Creative Express/Innov		
IC	Interpreting Culture		
FQ	Formal/Quant Reasoning	MTH 2310	T
SI	Societies and Institutions		
AD	Analyzing/Using Data	MTH 2310	T
DD	Difference/Diversity		
ER	Ethical Reasoning		
WF	1st Yr Writing	ENG 1105	T
WD	Adv Writ Dscpl 1st Yr Writing		
WI	Writing Intensive		
EX	Integration Experience		
CE	Capstone Experience		

The Student Transfer Guide table is a pathway guide tool for requirements remaining after all transfer awards are applied to the student's academic record. The student may choose their own course sequence adhering to any pre-requisites or program requirements.

Please visit cps.northeastern.edu/admissions-aid/admissions-policies/bachelors-completion-transfer-policies/ for more information on transfer credit policies.

NUpath policies and requirements:

Maximum of 5 courses of NUpath are eligible for transfer awards (CPS course requirements may contain NUpath designations). Contact learnerservices@northeastern.edu with questions.

Incoming College's Suggested Electives Options

Below is a list of incoming elective course options for students with remaining elective credits to transfer.

Course	Credit Hours
Not Applicable	

CPS Transfer Suggested Open Electives

Below are the corresponding CPS elective course options that are eligible for transfer. Transfer awards cannot exceed the maximum total allowed.

NUpath CODE	Course	Credit Hours
	Not Applicable	