

Program	Requirement Term
Undergraduate Career	2022 Fall
AS Bachelor of Science Program	2022 Fall
Computer Science (BS) Major	2022 Fall
Mathematics (BS) Second Major	2022 Fall
Mathematics Option	2022 Fall
Statistics and Analytics Minor Minor	2022 Fall

Degree Requirement Stats				
Requirement	Required	Completed	Remaining	In Progress
Minimum Cumulative Grade Point	2.000	3.913		
Minimum Degree Hours	122	119	3	15
Minimum 45 Hours at UNC	45	85	0	15

* Remaining hours does not include in-progress hours

The Tar Heel Tracker is the official record of completion of requirements for graduation for students who entered UNC in fall 2009 or later. This PDF summary does not include all requirements; see the web-based report for a complete accounting of graduation requirements that apply to you.

Catalog Year 2022-2023 (Expand for Important Advisement Report Information)

Satisfied: Global Limits

Satisfied: Degree Requirements

Not Satisfied: In-Progress Courses/Temporary Grades

△ Not Satisfied: In-Progress Courses

ANTH	149	GREAT DISCOVERIES IN ARCHAEOLO	3.00	2025 Spr
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr
JAPN	162	JAPANESE POPULAR CULTURE	3.00	2025 Spr

Satisfied: You are following the "IDEAs in Action" General Education Curriculum

General Education Notices

Satisfied: First-Year Foundations

Satisfied: Writing at the Research University (ENGL 105/105i)

△ Satisfied: Writing at the Research University

· Courses: 1 required, 1 taken, 0 needed

ENGL	105	ENG COMP & RHETORIC	3.00	2022 Fall	A
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△ Satisfied: College Thriving (IDST 101)

· Courses: 1 required, 1 taken, 0 needed

IDST	101	COLLEGE THRIVING	1.00	2022 Fall	PS
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△ Satisfied: First Year Seminar or Launch

· Courses: 1 required, 1 taken, 0 needed

COMM	89	FYS: SPECIAL TOPICS	3.00	2023 Spr	A
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△ Satisfied: Triple-I: Ideas, Information, & Inquiry

· Courses: 1 required, 1 taken, 0 needed

IDST	126	VALUES AND PRICES	3.00	2023 Spr	A
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△ Satisfied: Data Literacy

· Courses: 1 required, 1 taken, 0 needed

IDST	126L	DATA LITERACY LAB	1.00	2023 Spr	A
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△ Satisfied: Global Language Level 3 or Higher

· Courses: 1 required, 1 taken, 0 needed

GENR	203	GLOBAL LANGUAGE LEVEL 3	0.00	2022 Fall	PL
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Overall Requirement Not Satisfied: Focus Capacities

△ Satisfied: Aesthetic and Interpretive Analysis

· Courses: 1 required, 1 taken, 0 needed

MUSC	121	FUND OF TONAL MUSIC I	3.00	2024 Spr	A
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△ Not Satisfied: Creative Expression, Practice, and Production

· Courses: 1 required, 0 taken, 1 needed

△ Satisfied: Engagement with the Human Past

· Courses: 1 required, 1 taken, 0 needed

NUTR	175	INTRO TO FOOD STUDIES	3.00	2023 Fall	A
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△ Satisfied: Ethical and Civic Values

· Courses: 1 required, 1 taken, 0 needed

RELI	121	INTRO RELIGION & CULTURE	3.00	2023 Fall	A
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△ Satisfied: Global Understanding and Engagement

· Courses: 1 required, 1 taken, 0 needed

ASIA	150	ASIA: AN INTRODUCTION	3.00	2022 Fall	A
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△ Satisfied: Natural Scientific Investigation

· Courses: 1 required, 1 taken, 0 needed

PHYS	114	GENERAL PHYSICS I	4.00	2022 Fall	BE
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△ Satisfied: Power, Difference, and Inequality

· Courses: 1 required, 1 taken, 0 needed

PLAN	101	INTRODUCTION TO URBAN STUDIES	3.00	2024 Spr	A
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△ Satisfied: Quantitative Reasoning

· Courses: 1 required, 1 taken, 0 needed

MATH	231	CALC FUNC ONE VAR I	4.00	2022 Fall	BE
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△ Satisfied: Ways of Knowing

· Courses: 1 required, 1 taken, 0 needed

ECON	101	ECON: INTRO	4.00	2022 Fall	BE
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Satisfied: Empirical Investigative Lab

△ Satisfied: [Empirical Laboratory](#)

· Courses: 1 required, 1 taken, 0 needed

PHYS	114	GENERAL PHYSICS I	4.00	2022 Fall	BE
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Not Satisfied: Reflection and Integration

△ Satisfied: [Research and Discovery](#)

· Courses: 1 required, 1 taken, 0 needed

COMP	495	MENTORED RESEARCH	3.00	2024 Fall	A
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△ Not Satisfied: [High Impact Experience](#)

· Courses: 1 required, 0 taken, 1 needed

△ Not Satisfied: [Communication Beyond Carolina](#)

· Courses: 1 required, 0 taken, 1 needed

△ Satisfied: [Lifetime Fitness \(LFIT\)](#)

· Courses: 1 required, 1 taken, 0 needed

LFIT	106	LIFE FITNESS: BEG JOGGIN	1.00	2023 Spr	PS
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Satisfied: Disciplinary Distribution

△ Satisfied: [Division of Humanities and Fine Arts](#)

· Courses: 1 required, 1 taken, 0 needed

COMM	89	FYS: SPECIAL TOPICS	3.00	2023 Spr	A
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△ Satisfied: [Division of Mathematics and Natural Sciences](#)

· Courses: 1 required, 1 taken, 0 needed

MATH	231	CALC FUNC ONE VAR I	4.00	2022 Fall	BE
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△ Satisfied: [Division of Social Sciences](#)

· Courses: 1 required, 1 taken, 0 needed

ECON	101	ECON: INTRO	4.00	2022 Fall	BE
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Not Satisfied: Major: Computer Science (BS)

Required Major Courses Fulfilling General Education Requirements

Overall Requirement Not Satisfied: Major Requirements

△ Satisfied: [COMP 210 \(C or Higher\)](#)

· Courses: 1 required, 1 taken, 0 needed

COMP	210	ANALYSIS OF DATA STRUCTURE	3.00	2023 Spr	A
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△ Satisfied: [COMP 211 \(C or Higher\)](#)

· Courses: 1 required, 1 taken, 0 needed

COMP	211	SYSTEM PROGRAMMING FUNDAMENTAL	3.00	2023 Fall	A
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△ Satisfied: [COMP 301 \(C or Higher\)](#)

· Courses: 1 required, 1 taken, 0 needed

COMP	301	STRUCTURE/ORGANIZE OWN CODE	3.00	2023 Fall	A
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△ Satisfied: [COMP 311 \(C or Higher\)](#)

· Courses: 1 required, 1 taken, 0 needed

COMP	311	COMPUTER ORGANIZATION	3.00	2024 Spr	A
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△ Satisfied: [COMP 283 or MATH 381 \(C or Higher\)](#)

· Courses: 1 required, 1 taken, 0 needed

MATH	381	DISCRETE MATH	3.00	2022 Fall	B
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△ Not Satisfied: [COMP 455](#)

· Courses: 1 required, 0 taken, 1 needed

△ Satisfied: [COMP 550](#)

· Courses: 1 required, 1 taken, 0 needed

COMP	550	ALGRTHMS & ANALYSIS	3.00	2024 Spr	A
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△ Satisfied: [Additional COMP Courses](#)

· Courses: 5 required, 5 taken, 0 needed

COMP	495	MENTORED RESEARCH	3.00	2024 Fall	A
COMP	562	INTRO MACHINE LEARNING	3.00	2024 Fall	A
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr	
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr	
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr	

Satisfied: University Requirements for Majors

△ Satisfied: [Major Courses In-Progress](#)

· Courses: 3 taken

COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr	
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr	
COMP	590	TOPICS COMPUTER SCI	3.00	2025 Spr	

△ Satisfied: [A Cumulative GPA of at least 2.000 is Required in the Major](#)

· GPA: 2.000 required, 3.875 actual

MATH	381	DISCRETE MATH	3.00	2022 Fall	B
COMP	210	ANALYSIS OF DATA STRUCTURE	3.00	2023 Spr	A
COMP	211	SYSTEM PROGRAMMING FUNDAMENTAL	3.00	2023 Fall	A
COMP	301	STRUCTURE/ORGANIZE OWN CODE	3.00	2023 Fall	A
COMP	311	COMPUTER ORGANIZATION	3.00	2024 Spr	A
COMP	550	ALGRTHMS & ANALYSIS	3.00	2024 Spr	A
COMP	495	MENTORED RESEARCH	3.00	2024 Fall	A
COMP	562	INTRO MACHINE LEARNING	3.00	2024 Fall	A

Satisfied: Additional: Computer Science (BS)

Satisfied: [Mathematics Courses](#) (5 Courses Required)

△ Satisfied: [MATH 231](#)

· Courses: 1 required, 1 taken, 0 needed

MATH	231	CALC FUNC ONE VAR I	4.00	2022 Fall	BE
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△ Satisfied: [MATH 232](#)

· Courses: 1 required, 1 taken, 0 needed

MATH	232	CAL FUNC ONE VAR II	4.00	2022 Fall	BE
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△ Satisfied: [MATH 233](#)

· Courses: 1 required, 1 taken, 0 needed

MATH	233	MULTI VARI CALC I	4.00	2022 Fall	A
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△ Satisfied: [MATH 347 or 577](#)

· Courses: 1 required, 1 taken, 0 needed					
MATH	347	LINEAR ALGEBRA FOR APPL	3.00	2023 Spr	A
△ Satisfied: STOR 435 or 535					
· Courses: 1 required, 1 taken, 0 needed					
STOR	435	INTRO TO PROBABIL	3.00	2023 Spr	A

Satisfied: Science Courses

△ Satisfied: CHEM 101 and 101L					
· Courses: 2 required, 2 taken, 0 needed					
CHEM	101	GEN DESCRIPT CHEM I	3.00	2022 Fall	BE
CHEM	101L	QUANT CHEM LAB I	1.00	2022 Fall	BE
△ Satisfied: CHEM 102 and 102L					
· Courses: 2 required, 2 taken, 0 needed					
CHEM	102	GEN DESCRIPT CHEM II	3.00	2022 Fall	BE
CHEM	102L	QUANT CHEM LAB II	1.00	2022 Fall	BE

Not Satisfied: Major: Mathematics (BS)

Required Major Courses Fulfilling General Education Requirements

Overall Requirement Not Satisfied: Major Courses

△ Satisfied: COMP 116, 110, or MATH 565					
· Courses: 1 required, 1 taken, 0 needed					
COMP	110	INTRO PROGRAMMING	3.00	2022 Fall	B+
△ Satisfied: MATH 381					
· Courses: 1 required, 1 taken, 0 needed					
MATH	381	DISCRETE MATH	3.00	2022 Fall	B
△ Satisfied: MATH 383					
· Courses: 1 required, 1 taken, 0 needed					
MATH	383	1ST COURSE DIFF EQUATION	3.00	2023 Fall	A
△ Satisfied: MATH 521					
· Courses: 1 required, 1 taken, 0 needed					
MATH	521	ADVANCED CALCULUS I	3.00	2024 Spr	B+
△ Satisfied: MATH 522, 523, 528, or 566					
· Courses: 1 required, 1 taken, 0 needed					
MATH	566	NUMERICAL ANALYSIS	3.00	2024 Fall	A
△ Satisfied: MATH 533, 534, 578, or 548					
· Courses: 1 required, 1 taken, 0 needed					
MATH	548	COMB MATH	3.00	2024 Fall	A
△ Satisfied: MATH 347 or 577					
· Courses: 1 required, 1 taken, 0 needed					
MATH	347	LINEAR ALGEBRA FOR APPL	3.00	2023 Spr	A
△ Not Satisfied: Major Electives					
· Units: 9.00 required, 3.00 taken, 6.00 needed					

· Courses: 3 required, 1 taken, 2 needed					
STOR	435	INTRO TO PROBABIL	3.00	2023 Spr	A
Satisfied: University Requirements for Majors					
△ Satisfied: A Cumulative GPA of at Least 2.000 is Required in Major Courses					
· GPA: 2.000 required, 3.700 actual					

COMP	110	INTRO PROGRAMMING	3.00	2022 Fall	B+
MATH	381	DISCRETE MATH	3.00	2022 Fall	B
MATH	347	LINEAR ALGEBRA FOR APPL	3.00	2023 Spr	A
STOR	435	INTRO TO PROBABIL	3.00	2023 Spr	A
MATH	383	1ST COURSE DIFF EQUATION	3.00	2023 Fall	A
MATH	521	ADVANCED CALCULUS I	3.00	2024 Spr	B+
MATH	548	COMB MATH	3.00	2024 Fall	A
MATH	566	NUMERICAL ANALYSIS	3.00	2024 Fall	A

△ Satisfied: [Course Check: Overlap Check. Expand to See Shared Major Courses](#)

- **Units:** 3.00 taken
- **Courses:** 1 taken

MATH	381	DISCRETE MATH	3.00	2022 Fall	B
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Satisfied: Additional: Mathematics (BS)

Satisfied: Additional Requirements

△ Satisfied: MATH 231					
· Courses: 1 required, 1 taken, 0 needed					
MATH	231	CALC FUNC ONE VAR I	4.00	2022 Fall	BE
△ Satisfied: MATH 232					
· Courses: 1 required, 1 taken, 0 needed					
MATH	232	CAL FUNC ONE VAR II	4.00	2022 Fall	BE
△ Satisfied: MATH 233					
· Courses: 1 required, 1 taken, 0 needed					
MATH	233	MULTI VARI CALC I	4.00	2022 Fall	A
△ Satisfied: PHYS 114 or PHYS 118 (Recommended)					
· Courses: 1 required, 1 taken, 0 needed					
PHYS	114	GENERAL PHYSICS I	4.00	2022 Fall	BE
△ Satisfied: Four Non-Mathematical Natural Science Courses					
· Courses: 4 required, 4 taken, 0 needed					
CHEM	101	GEN DESCRIPT CHEM I	3.00	2022 Fall	BE
CHEM	102	GEN DESCRIPT CHEM II	3.00	2022 Fall	BE
PHYS	115	GENERAL PHYSICS II	4.00	2022 Fall	BE
STOR	155	INTRO DATA MODELS & INFERENCE	3.00	2022 Fall	BE

Satisfied: Minor: Statistics and Analytics

Satisfied: Minor Courses (5 Courses Required)

△ Satisfied: STOR 155 or STOR 120					
· Courses: 1 required, 1 taken, 0 needed					
STOR	155	INTRO DATA MODELS & INFERENCE	3.00	2022 Fall	BE

△ **Satisfied: STOR 305 or STOR 415**

· **Courses:** 1 required, 1 taken, 0 needed

STOR	305	INTRO DECISION ANALYTICS	3.00	2023 Fall	A
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△ **Satisfied: Additional Courses**

· **Courses:** 3 required, 3 taken, 0 needed

MATH	381	DISCRETE MATH	3.00	2022 Fall	B
STOR	435	INTRO TO PROBABIL	3.00	2023 Spr	A
STOR	566	INTRO DEEP LEARNING	3.00	2024 Fall	A

STOR 566 has been directed to this line.

NF: 566 should count as an elective (000056241)

Satisfied: University Requirements for Minors

△ **Satisfied: A GPA of at Least 2.000 is Required in the Minor**

· **GPA:** 2.000 required, 3.750 actual

MATH	381	DISCRETE MATH	3.00	2022 Fall	B
STOR	435	INTRO TO PROBABIL	3.00	2023 Spr	A
STOR	305	INTRO DECISION ANALYTICS	3.00	2023 Fall	A
STOR	566	INTRO DEEP LEARNING	3.00	2024 Fall	A

△ **Satisfied: Nine Hours at UNC-CH**

· **Units:** 9.00 required, 15.00 taken, 0.00 needed

STOR	155	INTRO DATA MODELS & INFERENCE	3.00	2022 Fall	BE
MATH	381	DISCRETE MATH	3.00	2022 Fall	B
STOR	435	INTRO TO PROBABIL	3.00	2023 Spr	A
STOR	305	INTRO DECISION ANALYTICS	3.00	2023 Fall	A
STOR	566	INTRO DEEP LEARNING	3.00	2024 Fall	A

△ **Satisfied: Test Credit Check**

· **Units:** 3.00 taken

· **Courses:** 1 taken

STOR	155	INTRO DATA MODELS & INFERENCE	3.00	2022 Fall	BE
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△ **Satisfied: Course Check: Plan Overlap**

· **Units:** 6.00 taken

· **Courses:** 2 taken

MATH	381	DISCRETE MATH	3.00	2022 Fall	B
STOR	435	INTRO TO PROBABIL	3.00	2023 Spr	A

Not Satisfied: Campus Life Experience

△ **Not Satisfied: Campus Life Experience**

· **Courses:** 12 required, 7 taken, 5 needed

Mid-Autumn Festival Banquet	1.00	2024-09-13
Science & Tech Fair	1.00	2024-09-12
All Industries Job & Internshi	1.00	2024-09-11
Spring Festival Banquet	1.00	2024-02-02
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Mid-Autumn Banquet	1.00	2023-09-16
FACSS Mental Health Panel	1.00	2023-09-08

Electives

△ **Electives**

ECON	100	ECONOMIC PRINCIPLES	3.00	2022 Fall	BE
MATH	110P	ALGEBRA	0.00	2022 Fall	BE
MATH	129P	PRECALCULUS MATHEMATICS	0.00	2022 Fall	BE

INLS	161	TOOLS FOR INFO LITERACY	3.00	2024 Fall	A
ANTH	149	GREAT DISCOVERIES IN ARCHAEOLO	3.00	2025 Spr	
JAPN	162	JAPANESE POPULAR CULTURE	3.00	2025 Spr	

Satisfied: Focus Capacities Tally

Focus Capacities Tally

△ **Aesthetic and Interpretive Analysis**

· **Courses:** 1 taken

MUSC	121	FUND OF TONAL MUSIC I	3.00	2024 Spr	A
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△ **Creative Expression, Practice, and Production**

· **Courses:** 0 taken

△ **Engagement with the Human Past**

· **Courses:** 2 taken

NUTR	175	INTRO TO FOOD STUDIES	3.00	2023 Fall	A
ANTH	149	GREAT DISCOVERIES IN ARCHAEOLO	3.00	2025 Spr	

△ **Ethical and Civic Values**

· **Courses:** 1 taken

RELI	121	INTRO RELIGION & CULTURE	3.00	2023 Fall	A
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△ **Global Understanding and Engagement**

· **Courses:** 4 taken

ASIA	150	ASIA: AN INTRODUCTION	3.00	2022 Fall	A
NUTR	175	INTRO TO FOOD STUDIES	3.00	2023 Fall	A
ANTH	149	GREAT DISCOVERIES IN ARCHAEOLO	3.00	2025 Spr	
JAPN	162	JAPANESE POPULAR CULTURE	3.00	2025 Spr	

△ **Natural Scientific Investigation**

· **Courses:** 4 taken

CHEM	101	GEN DESCIP CHEM I	3.00	2022 Fall	BE
CHEM	102	GEN DESCIP CHEM II	3.00	2022 Fall	BE
PHYS	114	GENERAL PHYSICS I	4.00	2022 Fall	BE
PHYS	115	GENERAL PHYSICS II	4.00	2022 Fall	BE

△ **Power, Difference and Inequality**

· **Courses:** 1 taken

PLAN	101	INTRODUCTION TO URBAN STUDIES	3.00	2024 Spr	A
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△ **Quantitative Reasoning**

· **Courses:** 9 taken

MATH	231	CALC FUNC ONE VAR I	4.00	2022 Fall	BE
MATH	232	CAL FUNC ONE VAR II	4.00	2022 Fall	BE
PHYS	114	GENERAL PHYSICS I	4.00	2022 Fall	BE
PHYS	115	GENERAL PHYSICS II	4.00	2022 Fall	BE
STOR	155	INTRO DATA MODELS & INFERENCE	3.00	2022 Fall	BE
COMP	110	INTRO PROGRAMMING	3.00	2022 Fall	B+
MATH	233	MULTI VARI CALC I	4.00	2022 Fall	A
STOR	305	INTRO DECISION ANALYTICS	3.00	2023 Fall	A
COMP	550	ALGRTHMS & ANALYSIS	3.00	2024 Spr	A

△ **Ways of Knowing**

· **Courses:** 5 taken

ECON	101	ECON: INTRO	4.00	2022 Fall	BE
ASIA	150	ASIA: AN INTRODUCTION	3.00	2022 Fall	A
RELI	121	INTRO RELIGION & CULTURE	3.00	2023 Fall	A
PLAN	101	INTRODUCTION TO URBAN STUDIES	3.00	2024 Spr	A
JAPN	162	JAPANESE POPULAR CULTURE	3.00	2025 Spr	

△ Satisfied: [Empirical Investigation Lab](#)

· Courses: 3 taken

CHEM	101L	QUANT CHEM LAB I	1.00	2022 Fall	BE
PHYS	114	GENERAL PHYSICS I	4.00	2022 Fall	BE
PHYS	115	GENERAL PHYSICS II	4.00	2022 Fall	BE