

Central Connecticut State University
School of Engineering, Science, and Technology

Degree: Bachelor of Science
Program: Physics
Concentration: Finance
Effective Term: Fall 2025

Name: _____

ID#: _____

General Education: Ways of Understanding:

Arts & Humanities (9 credits)

	Credits	Grade
English Literature	3	

Social & Behavioral Sciences (12 credits)

History	3	
ECON 200 Principles of Macroeconomics	3	
ECON 201 Principles of Microeconomics	3	

Math & Natural Sciences (9-10 credits)

CHEM 161 & 162	X	
MATH 152	X	
MATH 221	X	

General Education: Essential Skills:

Written & Oral Communication (6 credits)

WRT 105 or WRT 110	3	

World Language (0-6 credits) or Gen Ed Free Elective (3 credits)

World Language course numbered 112 or 118* or Gen Ed Free Elective	3	
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Thriving in College (2-3 credits)

CCSU 102, 103, or FYE course**	2-3	
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A maximum of 16 credits(4 courses) applied towards Ways of Understanding and Essential Skills requirements may be used to fulfill a major and/or minor requirement.

International & Equity, Justice, & Inclusion (EJI) Requirements:

International	3	
International	3	
Equity, Justice, & Inclusion***	3	

Coursework applied toward International & EJI requirements may be used in any other area of general education or program requirements.

Honors Program: HON courses can be used to fulfill certain general education requirements. Consult the Honors Program curriculum for details.

Residency Requirements: A minimum of 30 credits overall must be completed in residence, with at least 15 credits in the major (at least 12 of which must be at the 300 level or above) and 9 credits in a minor at Central. In residence means attending classes conducted on campus or under supervision of Central.

Free Electives may be used, as needed, to reach the total credits required for the degree when all other degree requirements have been met.

Major Requirements (37 credits)

Requires grade of C- or higher, unless otherwise specified.

	Credits	Grade
PHYS 125 University Physics I	4	
PHYS 126 University Physics II	4	
PHYS 220 Mechanics I	3	
PHYS 250 Intermediate Lab I	1	
PHYS 305 Foundations of Electricity and Magnetism	3	
PHYS 320 Heat and Thermodynamics	3	
PHYS 325 Optics	4	
PHYS 331 Electronics I	3	
PHYS 350 Intermediate Lab II	1	
PHYS 425 Modern Physics	3	
PHYS 450 Advanced Laboratory Techniques	1	
PHYS 460 Seminar in Physics	1	
PHYS 470 Quantum Mechanics	3	
PHYS 471 Quantum Mechanics II	3	

Coursework applied toward Related or Additional requirements may be used in any other area of general education or program requirements.

Related Requirements (36 credits)

CHEM 161 General Chemistry	3	
CHEM 162 General Chemistry Laboratory	1	
MATH 152 Calculus I	4	
STAT 215 Statistics for Behavioral Sciences I	3	
MATH 221 Calculus II	4	
MATH 222 Calculus III	4	
MATH 226 Linear Alg or MATH 228 Intro Linear Alg	4	
MATH 355 Intro to Differential Equations w/Apps	4	
AC 211 Introduction to Financial Accounting	3	
ECON 200 Principles of Macroeconomics	3	
ECON 201 Principles of Microeconomics	3	

Additional Requirements (4 credits)

CHEM 260 Foundations of Inorganic Chemistry	3	
CHEM 261 Foundations of Analytical Chemistry Lab	1	

Finance Concentration (21 credits)

FIN 295 Managerial Finance	3	
FIN 301 Intermediate Managerial Finance	3	
FIN 310 Principles of Investments	3	
FIN 320 Financial Markets and Institutions	3	
FIN 410 Securities Analysis and Portfolio Mgt	3	
FIN Elective	3	
FIN Elective	3	

Is a Minor Required with this Major?

Yes No

Total Credits Required for Degree: 120

* Students with 3 years, or more, of one world language at the high school level, a passing score on a world language placement exam, or native proficiency in a language other than English will have the World Language requirement waived and can satisfy this requirement with any general education free elective course (3cr).

** Transfer students with 24 or more transfer credits at the time of admission can satisfy this requirement with any general education free elective (3cr).

*** Waived for transfer students with 50 or more transfer credits at the time of admission.