

MAJOR REQUIREMENTS (74 UNITS) *Grades of "C" or better required. Courses should be completed in order listed.*

Core Curriculum - (50 Units)	FALL	WINTER	SPRING
CPTG 121 Introduction to Computer Science (4) Prerequisite: MATH 121	_____	_____	_____
MATH 131 Calculus I (4) Prerequisite: MATH 122 or appropriate Math Placement Exam score	_____	_____	_____
MATH 132 Calculus II (4) Prerequisite: MATH 131	_____	_____	_____
MATH 133 Calculus III (4) Prerequisite: MATH 132	_____	_____	_____
MATH 231 Introduction to Linear Algebra & Discrete Mathematics (4) Prerequisite: MATH 132	_____	_____	_____
MATH 232 Differential Equations (4) Prerequisite: MATH 133 & 231	_____	_____	_____
MATH 233 Vector Calculus (4) Prerequisite: MATH 133	_____	_____	_____
MATH 324 Linear Algebra (4) Prerequisite: MATH 231	_____	_____	_____
MATH 415 Sets & Number Systems (4) Prerequisite: MATH 133 & 231	_____	_____	_____
MATH 421 Abstract Algebra I (4) Prerequisite: 324	_____	_____	_____
MATH 431 Analysis I (4) Prerequisite: MATH 415	_____	_____	_____
MATH 432 Analysis II (4) Prerequisite: MATH 431	_____	_____	_____
MATH 485 Seminar or CPTG 485 Seminar (0.5-2 units each; 2 units total required) Prerequisite: MATH 131	_____	_____	_____
Additional upper division Computer Science or Mathematics courses (12 units)	_____	_____	_____
_____ (____) _____ (____) _____ (____) _____ (____)	_____	_____	_____
Required Cognates (12 units)			
PHYS 231 General Physics I (4) and PHYS 231L Laboratory (1) *Physical Science	_____	_____	_____
AND 8 units from the following:			
PHYS 232 General Physics II (4) and PHYS 232L Laboratory (1) Prerequisite: PHYS 231 and 231L. *Physical Science	_____	_____	_____
PHYS 233 General Physics III (4) and PHYS 233L Laboratory (1) Prerequisite: PHYS 232 and 232L. *Physical Science	_____	_____	_____
CHEM 351 Physical Chemistry: Thermodynamics (3) and CHEM 351L Laboratory (1) Prerequisite: CHEM 224, MATH 132, PHYS 233	_____	_____	_____
CHEM 352 Physical Chemistry: Dynamics (3) and CHEM 352L Laboratory (1) Prerequisite: CHEM 351 & 351L	_____	_____	_____
CHEM 353 Physical Chemistry: Quantum Mechanics (3) and CHEM 353L Laboratory (1) Prerequisite: CHEM 352 & 352L	_____	_____	_____
Students pursuing teaching credentials are recommended to complete the following:			
MATH 345 College Geometry (4) Prerequisite: MATH 231. Concurrent enrollment accepted.	_____	_____	_____
MATH 415 Sets and Number Systems (4) Prerequisite: MATH 133 & MATH 231	_____	_____	_____
MATH 422 Abstract Algebra II (4) Prerequisite: MATH 421	_____	_____	_____
MATH 451 Introduction to Mathematical Statistics I (4) Prerequisite: MATH 133 & MATH 231	_____	_____	_____

SEE REVERSE FOR UNIVERSITY STUDIES REQUIREMENTS

*A maximum of 4 units from the Major, and 8 units of Cognates required by the Major, may apply to University Studies General Studies requirements (2020-2021 Undergraduate Academic Bulletin)

NOTE: Should a student's general education and major degree program requirements not meet the minimum 190 units required for graduation, the student must complete elective units to make up the deficiency.

UNIVERSITY STUDIES (73-86 UNITS)

Foundational Studies (21-34 units) *Grades of "C" or better required*

FALL WINTER SPRING

- I. First Year Seminar UNST 101A (1), UNST 101B (1), UNST 101C (1)
- II. Rhetorical Skills
 - A. ENGL 111 (3), ENGL 112 (3), ENGL 113 (3) **OR**
ENGL 124 Freshman Seminar (4)
 - B. Upper Division Rhetoric in MATH 415, 431, and 432 (4)
- III. Mathematics One college-level Mathematics course in MATH will be satisfied by major
- IV. World Languages Level 3 proficiency (e.g. 153) in one non-English language (4-12)
- V. Health and Fitness HLSC 120 (2)

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General Studies (52 units, 16 upper division) *Grades of "D" or better required, unless courses are required by major*

THEME I. Social Sciences (SSCI) 8 units

- Globalization, Identity and Citizenship (4 units from SSCI 204, 205, 206, 207, 208 or 209) Prerequisite: ENGL 113 or 124
- Social Science Breadth Course (4 units)

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THEME II. Arts and Humanities (HUMN) 12 units

- Exploring Culture (4 units from HUMN 104, 105, 106, 107, 108 or 109) Prerequisite: ENGL 111 or 124
- Arts and Humanities Breadth Course (4 units)
- Arts and Humanities Breadth Course (4 units)

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THEME III. Religious Beliefs and Practices (RLGN) 16 units

- RLGN 304 Adventism in Global Perspective or RLGN 305 Religion in Three Cultures (4 units) Prerequisite: ENGL 113 or 124, Junior Status
- A. Spiritual Experience and Expressions (0-4 units)
- B. Beliefs and Heritage (4 units)
- C. Scripture (4 units)
- D. Religion and Society (4 units)

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THEME IV. Natural Sciences (NSCI) 12 units

- Scientific Foundations (4 units from NSCI 404, 405, 406, 407, 408 or 409) Prerequisite: ENGL 113 or 124, College-Level Math, Junior or Senior Status
- Life Science (4 units) Either life science or physical science must include a lab
- Physical Science (4 units) Either life science or physical science must include a lab

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THEME V. Senior Seminar (UNST) 4 units

- UNST 404T Religion, Values, and Social Responsibility (4)

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Service Learning (3 Courses)

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