### Track 1
**Computer, Engineering, Mathematics & Natural Sciences Track**

**Student Strengths:** Mathematics, Sciences and Analytical Ability

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**Arts & Architecture Planning**

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**Mathematics & Natural Sciences**

| Bioinformatics and Computational Biology - BS | Biological Sciences Concentration | Computer Science & Engineering Concentration | Mathematics Concentration | Biological Sciences - BA, BS | Biomedical Sciences - BS | Chemical Engineering - BS | Civil Engineering - BS | Computer Engineering - BS | Electrical Engineering - BS | Environmental Sciences - BS | Geology Sciences - BA, BS | Mathematical Physics - BS | Mathematics - BA, BS | Actuarial Science | Computing & Applied Mathematics | General Curriculum in Mathematics | General Study in Mathematics | General Study in Mathematics and Education | General Study in Applied Mathematics | Mathematics-Economics - BA | Medicinal Chemistry - BS | Physics - BA, BS | Teaching of Science Physics and Chemistry Concentration | Teaching of Science Physics Concentration |
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**Humanities**

| African-American Studies - BA | American Studies - BA | Asian Studies - BA | Classics - BA | Ancient Greek Language & Literatures Concentration | Ancient History Concentration | Ancient Latin Language & Literatures Concentration | Classical Civilizations Concentration | Mediterranean Archeology Concentration | English - BA | French - BA | German - BA | German Language and Linguistics Concentration | Global Gender Studies - BA | History - BA | Italian - BA | Jewish Studies - BA | Philosophy - BA | Spanish - BA | Teaching of Science Physics and Chemistry Concentration | Teaching of Science Physics Concentration |
|-----------------------------|------------------------|---------------------|------------|------------------------------------------|-------------------------------|------------------------------------------|------------------------------------------|----------------------------|----------------|-------------|----------|-----------------------------|---------------------------|-----------------|-----------|----------------|-------------|-----------------|-----------------------------|-------------------|-----------------|-----------------------------|

**Languages**

| Arabic Language and Linguistics Concentration | American Sign Language and Linguistics Concentration | Ancient Greek Language and Linguistics Concentration | Ancient History Concentration | Ancient Latin Language and Literatures Concentration | Classical Civilizations Concentration | Mediterranean Archeology Concentration | English - BA | French - BA | German - BA | German Language and Linguistics Concentration | Global Gender Studies - BA | History - BA | Italian - BA | Jewish Studies - BA | Philosophy - BA | Spanish - BA | Teaching of Science Physics and Chemistry Concentration | Teaching of Science Physics Concentration |
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### Track 2
**Arts, Music & Design Track**

**Student Strengths:** Communicating Conceptual Ideas Visually, through Performance or Sound

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### Track 3
**Health & Laboratory Sciences Track**

**Student Strengths:** Mathematics, Sciences, Laboratory Sciences, and Analytical Ability

<table>
<thead>
<tr>
<th>Biochemistry - BS</th>
<th>Biomedical Sciences - BS</th>
<th>Biotechnology - BS</th>
<th>Exercise Science - BS</th>
<th>Medical Technology - BS</th>
<th>Nuclear Medicine Technology - BS</th>
<th>Nursing (Traditional Nursing Program) - BS</th>
<th>Nursing (Accelerated) - BS (not a major)</th>
<th>Occupational Science/Occupational Therapy - BS/MS (not a major)</th>
<th>Pharmaceutical Sciences - BS</th>
<th>Pharmacology and Toxicology - BS</th>
<th>Pharmacy - PharmD (not a major)</th>
<th>Physical Therapy - DPT (not a major)</th>
<th>Public Health - BS</th>
</tr>
</thead>
</table>

### Track 4
**Humanities, Cultures & Languages Track**

**Student Strengths:** Written and Oral Communication, Comprehension, Critical Thinking, Research, and Analyzing

| African-American Studies - BA | American Studies - BA | Asian Studies - BA | Classics - BA | Ancient Greek Language & Literatures Concentration | Ancient History Concentration | Ancient Latin Language & Literatures Concentration | Classical Civilizations Concentration | Mediterranean Archeology Concentration | English - BA | French - BA | German - BA | German Language and Linguistics Concentration | Global Gender Studies - BA | History - BA | Italian - BA | Jewish Studies - BA | Philosophy - BA | Spanish - BA | Teaching of Science Physics and Chemistry Concentration | Teaching of Science Physics Concentration |
|-----------------------------|------------------------|---------------------|------------|------------------------------------------|-------------------------------|------------------------------------------|------------------------------------------|----------------------------|----------------|-------------|----------|-----------------------------|---------------------------|-----------------|-----------|----------------|-------------|-----------------|-----------------------------|-------------------|-----------------|-----------------------------|

### Track 5
**Social & Behavioral Sciences Track**

**Student Strengths:** Written and Oral Communication, Global Perspective and Cross-Cultural Understanding, Using Mathematical, Statistical, and Computer Methods to Analyze and Interpret Data

MINORS, CONT.
Management
Manufacturing
Mathematics
Media Study
Medicinal Chemistry
Music, Department of:
Academic
Performance
Nutrition
Pharmaceutical Sciences
Pharmacology and Toxicology
Philosophy, Department of:
General Philosophy
Philosophy Logic
Philosophy of Professional Ethics
Philosophy of Science
Philosophy of the Arts
Physics
Polish Studies
Culture and Society Track
Language Track
Political Science
Public Health
Social Sciences Interdisciplinary, Department of:
Environmental Studies
Sociology, Department of:
Criminology
Sociology
Spanish
Speech & Hearing Science
Statistics
Studio Art
Theatre

CERTIFICATE PROGRAMS
Certificate programs consist of a group of courses that focus upon an area of specialized knowledge or information. Generally, certificate programs are completed along with a major. The certificates of Creative Writing, Data Intensive Computing, Game Studies, and Journalism are the only certificate programs that will not be awarded without the completion of a Bachelor's degree at the University at Buffalo.

Composing and Network Management
Creative Writing
Data Intensive Computing
Entrepreneurship
Game Studies
Journalism
Paralegal Studies
Regulatory Environment of Medical Devices & Implants

PRE-PROFESSIONAL SERVICES
Admission into professional schools such as medical or law school generally requires an undergraduate (Bachelor's) degree in any field of study. The prehealth and pre-law advisors educate students on how to properly prepare for professional schools and assists students with the application process.

Prehealth
- Pre-Chiropractic
- Pre-Dental
- Pre-Medical
- Pre-Optometry
- Pre-Physician Assistant
- Pre-Podiatry
- Pre-Veterinary

Pre-Law
- Law Advisors

COMBINED DEGREE PROGRAMS
Combined undergraduate and graduate degree programs result in the awarding of a single combined degree that joins specific programs or disciplines from two degree levels. Combined degree programs offer UB students the opportunity to pursue their educational objectives at an accelerated pace and are designed for students who have demonstrated exceptional promise. In certain circumstances, however, the combined degree will not qualify students for licensure if licensure is based upon the complete undergraduate curriculum.

- Biological Sciences - BA/MS
- Biological Sciences/Dentistry - BS/DDS
- Biomedical Sciences/Pharmacy - BS/PharmD
- Business Administration - BS/MBA
- Chemical Engineering/Business Administration - BS/MBA
- Chemistry/Pharmacy - BA/PharmD
- Civil Engineering/Business Administration - BS/MBA
- Computational Physics/Physics - BS/MS
- Computer Science - BS/MS
- Economics - BA/MA, BA/MS
- Electrical Engineering/Business Administration - BS/MBA
- English - BA/MA
- Exercise Science/Athletic Training - BS/MS
- Exercise Science/Epidemiology - BS/MPH
- Exercise Science/Nutrition - BS/MS
- Geography - BA/MA
- Geological Sciences - BA/MA
- Industrial Engineering/Business Administration - BS/MBA
- Mathematics - BA/MA
- Mechanical Engineering/Business Administration - BS/MBA
- Medicinal Chemistry - BS/MS
- Occupational Science/Occupational Therapy - BS/MS
- Pharmaceutical Sciences - BS/MS
- Pharmacology & Toxicology - BS/MS
- Social Sciences (Health & Human Services Concentration)/Social Work Combined - BA/MSW
- Sociology BA/MA (Applied Social Research)

Undergraduate Degree & Course Catalog: https://catalog.buffalo.edu