Look at the tracks, majors and concentrations below. Circle the track and top 5 majors you are most interested in learning about.

### Track 1

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

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

#### COMPUTER SCIENCE/ENGINEERING
- Aerospace Engineering - BS
- Biomedical Engineering - BS
- Chemical Engineering - BS
- Civil Engineering - BS
- Computer Engineering - BS
- Computer Science - BA, BS
- Electrical Engineering - BS
- Engineering Physics - BS
- Environmental Engineering - BS
- Industrial Engineering - BS
- Mechanical Engineering - BS
- Mechanical and Aerospace Engineering Double Major - BS

#### MATHEMATICS/NATURAL SCIENCES
- Bioinformatics and Computational Biology - BS
- Biological Sciences Concentration
- Computer Science & Engineering Concentration
- Mathematics Concentration
- Biological Sciences - BA, BS
- Chemistry - BA, BS
- Computational Physics - BS
- Environmental Geosciences - BS
- Geological 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
- Medical Chemistry - BS
- Physics - BA, BS
- Teaching of Science Physics and Chemistry Concentration
- Teaching of Science Physics Concentration

#### ARTS
- Art History - BA
- Dance - BA, BFA
- Film Studies - BA
- Fine Arts - BFA
- Emerging Practices Concentration
- General Studio Concentration
- Graphic Design Concentration
- Painting Concentration
- Photography Concentration
- Print Media Concentration
- Sculpture Concentration
- Media Study - BA
- Critical Studies Concentration
- Production Concentration
- Music - BA
- Music Performance - MusB
- Music Theatre - BFA
- Studio Art - BA
- General Studio Concentration
- Graphic Design Concentration
- Photography Concentration
- Theater - BA
- Theater Design/Technology - BFA
- Theater Performance - BFA

#### ARCHITECTURE & PLANNING
- Architecture - BS
- Environmental Design - BA

### Track 2

**Arts, Music & Design Track**

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

### Track 3

**Health & Laboratory Sciences Track**

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

#### HEALTH AND LAB SCIENCES
- Biochemistry - BS
- Biomedical Sciences - BS
- Biotechnology - BS
- Exercise Science - BS
- Medical Technology - BS
- Nuclear Medicine Technology - BS
- Nursing (Traditional Nursing Program) - BS
- Nursing (Accelerated) - BS (not a major)
- Occupational Science/Occupational Therapy - BS/MS (not a major)
- Pharmaceutical Sciences - BS
- Pharmacology and Toxicology - BS
- Pharmacy - PharmD (not a major)
- Physical Therapy - DPT (not a major)
- Public Health - BS

### Track 4

**Humanities, Cultures & Languages Track**

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

#### HUMANITIES
- African-American Studies - BA
- American 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

**NOTE: UB offers SPECIAL STUDIES - BA, BS ... The possibility to create your own individualized major.**

### 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

#### SOCIAL SCIENCES
- Accounting - BS
- Anthropology - BA
- Business Administration - BS
- Data Analytics Concentration
- Financial Analysis Concentration
- General Management Concentration
- Human Resources Management Concentration
- International Business Concentration
- Management Information Systems Concentration
- Marketing Concentration
- Operations and Supply Chain Management Concentration
- Communication - BA
- Economics - BA
- Geographic Information Science - BS
- Geography - BA
- Earth Systems Science Concentration
- Urban & Regional Analysis Concentration
- International Trade - BA
- Linguistics - BA
- Applied Linguistics Concentration
- Chinese Language and Linguistics Concentration
- Honors Language and Cognition Concentration
- Honors Language Structure and Theory Concentration
- Japanese Language and Linguistics Concentration
- Korean Language and Linguistics Concentration
- Language and Cognition Concentration
- Language, Society and Communication Concentration
- Political Science - BA
- Advanced Concentration
- 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

Further information on UB majors, including Finish in 4 Curricular Plans to ensure timely acceptance to a major by no later than 60 credits completed, visit the Undergraduate Degree & Course Catalog - https://catalog.buffalo.edu.
## MINORS

<table>
<thead>
<tr>
<th>Minor</th>
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<tbody>
<tr>
<td>African-American Studies</td>
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<tr>
<td>American Studies</td>
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<tr>
<td>Anthropology, Department of:</td>
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<tr>
<td>Archeology</td>
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<tr>
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<td>Medical Anthropology</td>
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<td>Physical Anthropology</td>
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<tr>
<td>Architecture &amp; Planning, School of:</td>
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<tr>
<td>Architecture</td>
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<tr>
<td>Environmental Design</td>
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<tr>
<td>Art History</td>
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<td>Asian Studies</td>
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<tr>
<td>Biological Sciences</td>
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<tr>
<td>Biotechnology (for students majoring in Chemical Engineering)</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Classics, Department of:</td>
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<tr>
<td>Ancient Greek Language and Literature</td>
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<td>Ancient History</td>
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<tr>
<td>Ancient Latin Language and Literature</td>
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<td>Classical Civilization</td>
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<tr>
<td>Mediterranean Archeology</td>
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<td>Computer Science</td>
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<td>Counseling</td>
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<td>Economics</td>
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<tr>
<td>Education Leadership and Policy for Equity</td>
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<td>Education</td>
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<td>Electrical Engineering</td>
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<td>English, Department of:</td>
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<td>English</td>
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<tr>
<td>Global Film</td>
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<td>French</td>
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<td>Geography, Department of:</td>
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<tr>
<td>Earth Systems Science</td>
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<td>General Geography</td>
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<td>Geographic Information Systems and Cartography</td>
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<td>International Business and World Trade</td>
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<tr>
<td>Urban &amp; Regional Analysis</td>
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<td>Geological Sciences</td>
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<td>German</td>
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<tr>
<td>Global Gender Studies</td>
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<td>Health and Wellness</td>
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<tr>
<td>History</td>
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<tr>
<td>Information Studies</td>
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<tr>
<td>Italian</td>
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<tr>
<td>Japanese (or Special Major)</td>
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<tr>
<td>Jewish Studies</td>
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<tr>
<td>Korean</td>
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</table>

## 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.

1. **Creative Writing**
   - Creative Writing
   - Data Intensive Computing
   - Game Studies
   - Journalism
   - Paralegal Studies
   - Regulatory Environment of Medical Devices & Implants

2. **Data Intensive Computing**
   - Computing and Network Management
   - Data Intensive Computing
   - Entrepreneurship
   - Game Studies
   - Journalism
   - Paralegal Studies
   - Regulatory Environment of Medical Devices & Implants

3. **Game Studies**
   - Computing and Network Management
   - Data Intensive Computing
   - Entrepreneurship
   - Game Studies
   - Journalism
   - Paralegal Studies
   - Regulatory Environment of Medical Devices & Implants

4. **Journalism**
   - Computing and Network Management
   - Data Intensive Computing
   - Entrepreneurship
   - Game Studies
   - Journalism
   - Paralegal Studies
   - Regulatory Environment of Medical Devices & Implants

## 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.

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

## 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-Law
- Pre-Chiropractic
- Pre-Dental
- Pre-Medical
- Pre-Optometry
- Pre-Physician Assistant
- Pre-Podiatry
- Pre-Veterinary
- Post-Bac Programs

Undergraduate Degree & Course Catalog: [https://catalog.buffalo.edu](https://catalog.buffalo.edu)