

UB Exploratory Tracks & Majors Exploration Worksheet




Remember to think broadly about majors! Many majors prepare students for similar careers, work environments, and graduate or preprofessional schools, such as [medicine](#) and [law](#).

Some majors are applicable in more than one track. Choosing one track does not mean you cannot explore majors or courses from another track.

**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
Medicinal Chemistry - BS
Physics - BA, BS
Teaching of Science Physics and Chemistry Concentration
Teaching of Science Physics Concentration
Statistics - BA

Track 2

 **Arts, Music & Design Track**
*Student Strengths:
Communicating Conceptual Ideas Visually,
through Performance or Sound*

ARCHITECTURE & PLANNING


Architecture - BS
Environmental Design - BA

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

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


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
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

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
American Politics and Public Affairs Concentration
Comparative Politics Concentration
General Concentration
International Politics Concentration
Public Law Concentration
Psychology - BA, BS
Social Sciences Interdisciplinary - BA, BS
Cognitive Science Concentration
Environmental Studies Concentration
Environmental Policy and Education Specialized Track
Environmental Resources & Management Specialized Track
Health & Human Services Concentration
Community Mental Health Concentration
Early Childhood Concentration
Social Gerontology Concentration
International Studies Concentration
Legal Studies Concentration
Urban & Public Policy Studies Concentration
Sociology - BA
Crime, Law & Justice Specialization (for majors only)
Global Sociology Specialization (for majors only)
Health & Society Specialization (for majors only)
Speech and Hearing Science - 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) - <https://catalog.buffalo.edu>.

MINORS

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

MINORS, CONT.

Latina/Latino Studies
 Linguistics
 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
 Social Justice
 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.

- Computing 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
 Post-Bac Programs
 Pre-Law

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)

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