

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 more 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
Biological Sciences - BA, BS
Cellular and Molecular Biology BS Concentration
Ecology and Evolutionary Biology BS Concentration
Neuroscience BS Concentration
Pre-Health Studies BS Concentration
Chemistry - BA, BS
Computational Physics - BS
Environmental Geosciences - BS
Geological Sciences - BA, BS
Mathematical Physics - BS
Mathematics - BA, BS
Actuarial Science Concentration
Computing & Applied Mathematics Concentration
General Curriculum Concentration
General Study in Applied Mathematics Concentration
General Study in Mathematics Concentration
General Study in Mathematics and Education Concentration
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, Sound or Designing Physical
Environments

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
Theatre - BA
Theatre - BFA
Design/Technology Concentration
Performance Concentration

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
Applied Exercise Physiology Track
Prehealth Track
Pre-Physical Therapy Track
Health Promotion Track
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, 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 and 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 and Management Specialized Track
Health & Human Services Concentration
Community Mental Health Concentration
Early Childhood Concentration
Social Gerontology Concentration
International Studies Concentration
Legal Studies Concentration
Urban and Public Policy Studies Concentration
Sociology - BA
Criminology Concentration
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>.

Approved Minors & Other Programs

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
 Communication
 Counseling
 Economics
 Educational Leadership and Policy for Equity
 Education
 Engineering and Applied Sciences, School of:
 Computer Science
 Electrical Engineering
 Human Factors and Ergonomics Engineering
 Manufacturing
 Operations Research
 Quality Engineering
 Robotics
 English, Department of:
 English
 Global Film Studies
 French
 Geography, Department of:
 Earth Systems Science
 General Geography
 Geographic Information Systems and Cartography
 International Business and World Trade
 Urban and Regional Analysis
 Geological Sciences
 German
 Global Gender Studies
 Health and Wellness
 History
 Information Studies
 Italian
 Japanese

MINORS, CONT.

Jewish Studies
 Korean
 Latina/Latino Studies
 Law
 Linguistics
 Management
 Mathematics
 Media Study
 Medicinal Chemistry
 Music, Department of:
 Academic
 Performance
 Neuroscience
 Nutrition
 Pharmaceutical Sciences
 Pharmacology and Toxicology
 Philosophy
 Physics
 Polish Studies
 Culture and Society Track
 Language Track
 Political Science
 Psychology
 Public Health
 Social Sciences Interdisciplinary, Department of:
 Environmental Studies
 Sociology, Department of:
 Criminology
 Social Justice
 Society, Medicine & Health
 Sociology
 Spanish
 Speech & Hearing Science
 Statistics
 Studio Art
 Theatre

CERTIFICATE PROGRAMS

Certificate programs consist of a group of courses that focus on an area of specialized knowledge. They cannot be awarded without the completion of a Bachelor's degree at the University at Buffalo.

Creative Writing
 Data Intensive Computing
 Game Studies
 Journalism

MICRO-CREDENTIALS and DIGITAL BADGES

Micro-credentials are smaller than a minor, certificate or degree program. They equip learners with digital badges that showcase students' knowledge and skills relevant to their academic or professional goals. For a list of credit and non-credit micro-credentials and digital badges visit: buffalo.edu/micro-credentials.

PRE-PROFESSIONAL SERVICES

Admission into professional schools 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 and assist students with the application process.

Prehealth - Pre-Chiropractic, Pre-Dental, Pre-Medical, Pre-Optometry, Pre-Physician Assistant, Pre-Podiatry and Pre-Veterinary
Pre-Law

COMBINED DEGREES, 4+1, 3+3 and 3+2 PROGRAMS

Combined degrees, 4+1, 3+3 and 3+2 programs offer students the opportunity to pursue their educational objectives at an accelerated pace and are designed for students who have demonstrated exceptional promise. Some 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. Also, some combined degrees will not qualify students for licensure if licensure is based upon the complete undergraduate curriculum. The 4+1, 3+3 and 3+2 programs award a 4-year undergraduate degree and a graduate degree.

Biological Sciences - BA/MS
 Biological Sciences/Dentistry - BS/DDS
 Biological Sciences/Pharmacy - BS/PharmD
 Biomedical Engineering - BS/MS
 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 - BS/MS
 Exercise Science/Athletic Training - BS/MS
 Exercise Science/Public Health in 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
 Pharmaceutical Sciences/Pharmacy - BS/PharmD
 Pharmacology & Toxicology - BS/MS
 Public Health - BS/MPH
 Public Health (Biostatistics Concentration) - BS/MPH
 Public Health (Community Health & Health Behavior Concentration) - BS/MPH
 Public Health (Environmental Health Concentration) - BS/MPH
 Public Health (Epidemiology Concentration) - BS/MPH
 Public Health (Health Services Administration Concentration) - BS/MPH
 Public Health Epidemiology - BS/MS
 Public Health Community Health & Health Behavior - BS/MS
 Social Sciences (Health & Human Services Concentration)/Social Work
 Combined - BA/MSW
 Sociology BA/MA (Applied Social Research)

Law
 History + Law (3+3) - BA and JD
 Philosophy + Law (3+3) - BA and JD
 Political Science + Law (3+3) - BA and JD
 Social Sciences (Legal Studies Concentration) + Law (3+3) - BA and JD
 Sociology + Law (3+3) - BA and JD

Management
 Accounting (4+1) - BS and MS
 Business Administration (Financial Analysis Concentration) + Finance (4+1) - BS and MS
 Business Administration (Management Information Systems Concentration) + Management Information Systems (4+1) - BS and MS
 Business Administration (Operations and Supply Chain Mgmt Concentration) + Operations and Supply Chain Mgmt (4+1) - BS and MS

UB Teach
 Biological Sciences + Biology Education: Adolescence (3+2) - BA and EdM
 Chemistry + Chemistry Education: Adolescence (3+2) - BA and EdM
 Classics + Latin Education: Adolescence (3+2) - BA and EdM
 English + English Education: Adolescence (3+2) - BA and EdM
 Geological Sciences + Earth Science Education: Adolescence (3+2) - BA and EdM
 History + Social Studies Education: Adolescence (3+2) - BA and EdM
 Mathematics + Mathematics Education: Adolescence (3+2) - BA and EdM

Exploratory and Pre-Professional Advising Center
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