

DEGREE PROGRAMS

Degree Programs in Arts and Sciences and Engineering

See program descriptions for the specific degrees offered.

Arts and Sciences

Program Major	Bachelors	Combined Bachelors/ Masters	Masters	Doctor of Philosophy
Africana Studies	x			
Anthropology	x		x ⁴	x
Archaeology	x			
Astronomy and Astrophysics				x
Behavioral Biology	x			
Biology	x	x ⁷	x ⁷	x
Biophysics	x		x ¹²	x
Chemical Biology				x
Chemistry	x		x ⁴	x
Classics	x	x	x ⁴	x
Cognitive Science	x		x ¹¹	x
Earth and Planetary Sciences	x			x
East Asian Studies	x			
Economics	x		x ¹¹	x
English	x		x ³	x
Film and Media			x ⁸	
Film and Media Studies	x			
French	x		x ¹¹	x
German	x	x	x ⁴	x
Global Environmental Change and Sustainability	x			
History	x	x	x ²	x
History of Art	x		x ⁶	x
History of Science			x ²	x
History of Science, Medicine and Technology	x			
Humanities Center				x
Interdisciplinary Studies	x			
International Studies	x	x ¹⁶		
Italian	x ¹⁹		x ¹¹	x
Latin American Studies	x			
Mathematics	x	x	x ²	x
Medicine, Science and the Humanities	x			
Molecular and Cellular Biology	x	x ⁷	x ⁷	
Natural Sciences Area	x			
Near Eastern Studies	x		x ²	x
Neuroscience	x	x ⁷		
Philosophy	x		x ¹¹	x

Physics	x ¹⁰		x ⁴	x
Political Science	x			x
Psychology	x		x ¹¹	x
Public Health Studies	x	x ¹⁷		
Romance Languages	x			
Sociology	x		x ¹¹	x
Spanish	x ¹⁹		x ¹¹	x
Writing Seminars	x		x	

Engineering

Program Major	Bachelors	Combined Bachelors/ Masters	Masters	Doctor of Philosophy
Applied Mathematics and Statistics	x ¹⁰	x ¹⁸	x ¹	x
Biomedical Engineering	x	x	x ¹	x ¹⁵
Bioengineering Innovation & Design			x ^{1, 13}	
Chemical and Biomolecular Engineering	x	x ¹⁸	x ¹	x
Civil Engineering	x	x ¹⁸	x ¹	x
Computer Engineering	x			
Computer Science	x ¹⁰	x ¹⁸	x ¹	x
Electrical Engineering	x	x ¹⁸	x ¹	x
Engineering Management		x ¹⁸	x ¹	
Engineering Mechanics	x			
Environmental Engineering	x	x ¹⁸		
Financial Mathematics		x ^{14, 18}	x ^{1, 14}	
General Engineering	x ⁹			
Geography	x ⁹	x ⁸		
Geography and Environmental Engineering		x ¹⁸	x ¹	x
Materials Science and Engineering	x	x ¹⁸	x ^{1, 5}	x
Mechanical Engineering	x	x ¹⁸	x ¹	x
Robotics		x ¹⁸	x ¹	
Security Informatics		x ¹⁸	x	

Notes on the Degrees

1. Candidates for the master's as a terminal degree are accepted, but financial aid generally is not available.
2. Candidates for the master's as a terminal degree may be accepted in special cases, but financial aid generally is not available.
3. Candidates are admitted to the Ph.D. program only, but the M.A. is awarded to students who (a) complete one year of courses, pass an examination in one foreign language, and submit an acceptable master's essay to a member of the faculty or (b) complete two years of courses and pass an examination in two foreign languages.

4. Candidates for the master's as a terminal degree are not accepted. However, a student is awarded a master's degree en route to the Ph.D. after the successful completion of the Graduate Board oral examination.
5. A master of science in engineering or a master of materials science and engineering are offered.
6. See department listing.
7. M.S. available only to Arts and Sciences baccalaureate students.
8. M.A. only.
9. B.A. only.
10. B.A. or B.S. available.
11. Candidates are admitted to the Ph.D. program only, but the M.A. is awarded to students who complete requirements set by the director of graduate studies.
12. Applicants must currently be JHU undergraduate.
13. Within the Department of Biomedical Engineering.
14. Within the Department of Applied Mathematics and Statistics.
15. Within the School of Medicine.
16. Master's degree awarded by the School of Advanced International Studies.
17. Master's degree awarded by the School of Public Health.
18. Qualified Undergraduates from any AS or EN program are eligible to apply.
19. Area of Concentration

Minors

Students may complete requirements for a minor in Africana Studies, Anthropology, Applied Mathematics and Statistics, Bioethics, Civil Engineering, Classics, Computational Medicine, Computer Integrated Surgery, Computer Science, Earth and Planetary Sciences, Economics, Engineering for Sustainable Development, English, Entrepreneurship and Management, Environmental Engineering, Environmental Sciences, Film and Media Studies, Financial Economics, French Cultural Studies, French Literature, German, Global Environmental Change and Sustainability, History, History of Art, History of Science and Technology, Islamic Studies, Italian, Jewish Studies, Latin American Studies, Linguistics, Marketing and Communications, Mathematics, Museum and Society, Music, Philosophy, Physics, Psychology, Robotics, Russian, Social Policy, Space Science and Engineering, Spanish for the Professions, Spanish Language and Hispanic Culture, Theatre Arts, Visual Arts, and Women, Gender and Sexuality.

Part-time Graduate Programs in Arts and Sciences and Engineering

Advanced Academic Programs

Drawing upon over a century of research and teaching expertise, the Krieger School of Arts and Sciences Advanced Academic Programs offers advanced instruction in scientific fields of current interest and innovative graduate study in the humanities and social sciences. While based on the latest scientific and scholarly knowledge, course work emphasizes the application of such knowledge to practical problems. Classes are designed to provide individual attention, relevant application, and to encourage student contribution.

Courses are offered on a part-time basis at the Homewood campus in Baltimore; the Montgomery County Campus in Rockville, MD; the Arts

and Sciences Washington Center in Washington, D.C.; and online. Most degree programs in AAP may be completed partially or fully online.

The School of Arts and Sciences recognizes the intellectual strength and education requirements of working adults and offers master's degrees through the Advanced Academic Programs. Students can earn their master's degree in:

Applied Economics
 Bioinformatics
 Biotechnology
 Biotechnology Enterprise and Entrepreneurship
 Communication
 Energy Policy
 Environmental Sciences and Policy
 Geographic Information Systems
 Government
 Global Security Studies
 Liberal Arts
 Museum Studies
 Public Management
 Regulatory Science
 Science Writing
 Writing

There are also a variety of certificates and concentrations from which to choose, including certificates in:

Biotechnology Education
 Biotechnology Enterprise
 Geographic Information Systems
 National Security Studies
 Nonprofit Management
 Post-master's Certificate in Sequence Analysis and Genomics
 Health Science Intensive Concentration
 AAP also has a number of dual MBA programs with the Carey Business School.

Further information, admission details, and catalogs may be obtained by phone (202) 452-1940, Email to aapadmissions@jhu.edu, or by visiting advanced.jhu.edu.

Johns Hopkins Engineering for Professionals

Engineering began at Hopkins in 1913, when university leaders decided to establish a curriculum that focused on professional education but included significant exposure to the liberal arts and scientific inquiry. Fostering interdisciplinary creativity, this unique approach to engineering education was in turn emulated by many engineering schools throughout the United States.

Over the intervening decades, thousands of working engineers and scientists earned engineering degrees at Hopkins through part-time study, achieving professional goals without interrupting their careers. That tradition continues today through the Whiting School's Engineering for Professionals program, which offers part-time graduate courses in 15 disciplines that address industry trends and the latest advances in engineering and applied science. Classes are scheduled at convenient times during late afternoons and evenings and on Saturdays at campuses throughout the Baltimore-Washington region, including Aberdeen, Baltimore, Elkridge, Laurel, Rockville, Southern Maryland, Washington, D.C., and Crystal City, VA. Courses are also available online. Depending on their academic program, students earn either a master's

degree or a graduate or postgraduate certificate upon completing their studies.

Further information, applications, and catalogs may be obtained by calling 1-800-548-3647; visiting ep.jhu.edu; or writing to Johns Hopkins Engineering for Professionals, 6810 Deerpath Road, Suite 100, Elkridge, MD 21075. Email inquiries may be sent to jhep@jhu.edu.

Advanced Degree Programs in Other Hopkins Divisions

Carey Business School

Master of Business Administration Degrees (full-time)

Johns Hopkins Global MBA

Master of Business Administration/Master of Public Health

Master of Business Administration Degrees (part-time)

Executive MBA

Flexible MBA

Master of Science Degrees

Enterprise Risk Management (part-time)

Finance (full- and part-time)

Health Care Management (part-time)

Marketing (full- and part-time)

Real Estate and Infrastructure (full- and part-time)

Joint and Dual Degrees (part-time)

Master of Business Administration/Master of Science in Nursing

Master of Business Administration/Master of Arts in Communication

Master of Business Administration/Master of Arts in Government

Master of Business Administration/Master of Science in Biotechnology

MBA/Master of Environmental Engineering

MBA/MS in Environmental Engineering and Science

MBA/MS in Environmental Planning and Management

MBA/MS in Design Leadership

Graduate Certificate Programs

Financial Management

Investments

School of Education

Master of Arts in Teaching

Elementary Education

Secondary Education

Master of Education

Health Professions

Master of Science in Education

Educational Studies

Reading

School Administration and Supervision

Technology for Educators

Master of Science in Special Education

Early Childhood Special Education

General Special Education Studies

Mild to Moderate Disabilities (Elementary/Middle, Secondary/Adult, Differentiated and Inclusive Education)

Severe Disabilities

Technology in special Education

Master of Science in Counseling

Mental Health Counseling

School Counseling

Graduate Certificate Programs in Education

Adolescent Literacy Education

Advanced Methods for Differentiated Instruction and Inclusive Education

Applied Behavior Analysis* (pending approval)

Assistive Technology

Data-based Decision making and Organizational Improvement

Applied Behavior Analysis* (pending approval)

Assistive Technology

Data-based Decision Making and Organizational Improvement

Early Intervention/Preschool Special Education Specialist

Earth/Space Science

Education of Students with Autism and Other Pervasive Developmental Disorders

Education of Students with Severe Disabilities

Educational Leadership for Independent Schools

Effective Teaching of Reading

Emergent Literacy Education

English as a Second Language (ESL) Instruction

Evidence-Based Teaching in the Health Professions*

Gifted Education

K-8 Mathematics Lead-Teacher Education

K-8 Science Lead-Teacher Education

K-8 STEM (Science, Technology, Engineering, Mathematics) Lead-Teacher Education

Leadership for School, Family, and Community Collaboration

Leadership in Technology Integration

Mental Health Counseling*

Mind, Brain, and Teaching

Online Teaching and Learning for Adults

School Administration and Supervision

Teacher Leadership: Instructional Leadership in School Settings

Teaching the Adult Learner

Urban Education

Certificate of Advanced Graduate Study*

Counseling

Online Doctor of Education (Ed.D.) (pending approval)

Doctor of Philosophy in Education (Ph.D.)

Division of Public Safety Leadership

Master of Science in Management

Master of Science in Intelligence Analysis

School of Public Health

Master of Public Health

School wide degree program

Master of Health Administration

Health Policy and Management

Master of Health Science

Biochemistry and Molecular Biology

Biostatistics

Environmental Health Sciences

Epidemiology

Graduate Training Program in Clinical Investigation

Health Behavior and Society

Health Policy and Management

International Health

Mental Health
Molecular Microbiology and Immunology
Population, Family and Reproductive Health

Master of Public Policy

Health Policy and Management

Master of Science

Biochemistry and Molecular Biology
Biostatistics
Environmental Health Sciences
Epidemiology
Graduate Training Program in Clinical Investigation
Health, Behavior and Society
Molecular Microbiology and Immunology

Master of Science in Public Health

Environmental Health Sciences
Health, Behavior and Society
Health Policy and Management
International Health
Population, Family and Reproductive Health

Doctor of Philosophy

Biochemistry and Molecular Biology
Biostatistics
Environmental Health Sciences
Epidemiology
Graduate Training Program in Clinical Investigation
Health, Behavior and Society
Health Policy and Management
International Health
Mental Health
Molecular Microbiology and Immunology
Population, Family and Reproductive Health

Doctor of Public Health

Environmental Health Sciences
Epidemiology
Health, Behavior and Society
Health Policy and Management
International Health
Mental Health
Population, Family and Reproductive Health

Doctor of Science

Epidemiology
Health, Behavior and Society

Combined Programs

BA/MHS or MSPH
MA/MSPH
MPH/JD
MPH/MBA
MPH/MD
MPH/MSW
MPH/MSN
MPH/General Preventive Medicine Residency
MPH/Occupational and Environmental Medicine Residency
MSPH/RD
MSPH/MI
MD/PhD
Doctoral/MHS in Biostatistics
Doctoral/MSPH in International Health

Doctoral/ScM

School of Medicine

Doctor of Philosophy

Biochemistry/Cellular and Molecular Biology
Biological Chemistry
Biophysics and Biophysical Chemistry
Cell Biology
Molecular Biology and Genetics
Neuroscience
Pharmacology
Physiology
Cellular and Molecular Medicine
Cellular and Molecular Physiology
Functional Anatomy and Evolution
Health Sciences Informatics
History of Medicine
Human Genetics
Immunology
Molecular Biology and Genetics
Neuroscience
Pathobiology
Pharmacology and Molecular Sciences

Interdivisional Programs

Biomedical Engineering
Program in Molecular Biophysics

Master of Science

Applied Health Sciences Informatics
Health Sciences Informatics
Master of Arts
Medical and Biological Illustration
Certificate Program
Certificate in Health Sciences Informatics

Master of Arts

Medical and Biological Illustration

Certificate Program

Certificate in Health Sciences Informatics

* Open only to students with master's degrees.