# Degree Programs

## Degree Programs in Arts and Sciences and Engineering

*See program descriptions for the specific degrees offered.*

### Arts and Sciences

<table>
<thead>
<tr>
<th>Program Major</th>
<th>Bachelors</th>
<th>Combined Bachelors/ Masters</th>
<th>Masters</th>
<th>Doctor of Philosophy</th>
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<td>Writing Seminars</td>
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### Engineering

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<th>Program Major</th>
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<th>Combined Bachelors/ Masters</th>
<th>Masters</th>
<th>Doctor of Philosophy</th>
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<td>Applied Mathematics and Statistics</td>
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<td>Bioengineering Innovation &amp; Design</td>
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<td>Robotics</td>
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<td>Security Informatics</td>
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</tbody>
</table>

*For the full list of degree programs, consult the official Johns Hopkins University catalog.*
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


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
   Health Policy and Management
   International Health
   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.