

## WHITING SCHOOL OF ENGINEERING

JOHNS HOPKINS UNIVERSITY

Founded: 1914

Re-established as the G.W.C. Whiting School of Engineering: 1979

Dean: Nicholas P. Jones

General Operating Budget: \$91 million

School Endowment: \$83.9 million (FY '06)

### ACADEMICS

#### Full-Time Programs (2006–2007)

##### Faculty

118 academic and 17 research faculty

3 associated research scientists and engineers

##### Members of the National Academy of Engineering

Robert Dalrymple

Alan Goldman

Frederick Jelinek

Charles O'Melia

Murray Sachs

Eugene Shchukin

James West

M. Gordon (Reds) Wolman

##### Selected Faculty Awards and Recognition Received (2005-2006 Academic Year)

Benjamin Franklin Award

National Academy of Engineering (2)

National Science Foundation CAREER Awards (5)

Office of Naval Research Young Investigator Award

##### Students

1,358 undergraduate students (32% female) from 43 states and 33 countries

622 graduate students (27% female) from 37 states and 42 countries

Degrees awarded in 2006: 304 B.S., 174 M.S., 56 Ph.D.

Student/faculty ratio: 10:1

##### Undergraduate Academic Programs and Degrees

Applied Mathematics and Statistics (B.A., B.S.)

Biomedical Engineering (B.A., B.S.)

Chemical and Biomolecular Engineering (B.S.)

Civil Engineering (B.S.)

Computer Engineering (B.S.)

Computer Science (B.A. and B.S.)

Electrical Engineering (B.A., B.S.)

Engineering Mechanics (B.S.)

Entrepreneurship and Management (minor only)

Environmental Engineering (B.S.)

General Engineering (B.A.)

Geography (B.A.)

Materials Science and Engineering (B.S.)

Mechanical Engineering (B.S.)

##### Graduate Academic Programs and Degrees

Applied Mathematics and Statistics (M.A., M.S.E., Ph.D.)

Biomedical Engineering (M.S.E., Ph.D.)

Chemical and Biomolecular Engineering (M.S.E., Ph.D.)

Civil Engineering (M.C.E., M.S.E., Ph.D.)

Computer Science (M.S.E., Ph.D.)

Electrical and Computer Engineering (M.S.E., Ph.D.)

Geography and Environmental Engineering (M.A., M.S., M.S.E., Ph.D.)

Security Informatics (M.S.)

Materials Science and Engineering (M.S.E., Ph.D.)

Mechanical Engineering (M.S.E., Ph.D.)

##### Academic Centers and Institutes

Center for Educational Outreach

Center for Leadership Education

Johns Hopkins University Information Security Institute

##### Student Engineering Groups

Engineers for a Sustainable World

Engineers Without Borders

National Society of Black Engineers

Society of Hispanic Professional Engineers

Society of Women Engineers

Tau Beta Pi (Engineering Honor Society)

## **Part-Time Engineering Programs for Professionals (EPP) (2006–2007)**

400 faculty

2,200 graduate students

### **Degrees awarded in 2006**

638 M.S., 26 Advanced Certificates

### **Academic Programs**

Applied and Computational Mathematics

Applied Biomedical Engineering

Applied Physics

Bioinformatics

Chemical and Biomolecular Engineering

Civil Engineering

Computer Science

Electrical and Computer Engineering

Environmental Engineering, Science and Management

Information Systems and Technology

Materials Science and Engineering

Mechanical Engineering

Systems Engineering

Technical Innovation and New Ventures

Technical Management

Telecommunications and Networking

## **RESEARCH**

External Research Support (FY'06): \$47.1 million

### **Technology Transfer**

2006 Reports of Invention in which WSE faculty are Lead Inventors: 24

### **Research Centers and Institutes**

Advanced Technology Laboratory

Center for Multi-Function Appliqué

Center for Advance Metallic and Ceramic Systems

Center for Contaminant Transport, Fate, and Remediation

Center for Environmental and Applied Fluid Mechanics

Center for Imaging Science

Center for Language and Speech Processing

Center for Materials Sensing and Detection

Chemical Propulsion Information Analysis Center

Engineering Research Center for Computer-Integrated

Surgical Systems and Technology

Institute for Computational Medicine

Center for Cardiovascular Bioinformatics and Modeling

Institute in Multiscale Modeling of Biological Interactions

Institute for NanoBioTechnology

Johns Hopkins University Information Security Institute

Materials Research Science and Engineering Center

Whitaker Biomedical Engineering Institute

## **CONTACT INFORMATION**

Whiting School of Engineering

Johns Hopkins University

120 New Engineering Building

3400 North Charles Street

Baltimore, MD 21218

410-516-4050

[www.engineering.jhu.edu](http://www.engineering.jhu.edu)

General information email:

[engineering@jhu.edu](mailto:engineering@jhu.edu)