Carnegie Mellon University



GRADUATE STUDY IN INFORMATION, COMPUTER & COMMUNICATIONS TECHNOLOGIES

Biology, BioMedical, BioTechnology

Computer Science

Design

Engineering

Entertainment

Information Management, Systems & Technology

Information Networking

Computation and Statistics

Policy & Management

Telecommunication & Electronic Security

Carnegie Mellon University

Founded in 1900 by industrialist and philanthropist Andrew Carnegie, Carnegie Mellon University today is a world class research university of about 11,000 students and 5,000 faculty, research and administrative staff. Students represent all 50 states and more than 100 countries.

The university consists of seven colleges and schools: Carnegie Institute of Technology (engineering), College of Fine Arts, Dietrich College of Humanities and Social Sciences, Heinz College, Mellon College of Science, School of Computer Science, and Tepper School of Business. In its annual rankings, U.S. News and World Report consistently rates several of Carnegie Mellon's programs highly, including those in fields of engineering, computer science, design, art, business, and public policy and management.

Carnegie Mellon University is helping to shape the world through education, research and outreach. While Carnegie Mellon has strong roots in Pittsburgh, Pennsylvania, the university truly has a global presence. With branch campuses and the opportunity to study abroad or pursue professional and distance learning, students are sure to find many ways to explore the world with Carnegie Mellon.

The unique culture at Carnegie Mellon allows students and faculty members to work with scholars outside of their schools and colleges. The campus atmosphere offers opportunities to engage in groundbreaking research.

ADMISSIONS TO GRADUATE PROGRAMS

Admission to graduate programs is handled by the individual academic departments, and requirements and deadlines vary from department to department. For detailed information on the individual programs please visit the websites listed under each degree.

Biology, BioMedical, BioTechnology

M.S. in Biotechnology Innovation and Computation

http://bic.cs.cmu.edu

M.S. in Computational Biology www.cmu.edu/bio/graduate

Ph.D. in Computational Biology www.compbio.cmu.edu

Ph.D. Program in Neural Computation

www.cnbc.cmu.edu/pnc

M.S. in Biotechnology and Management

www.heinz.cmu.edu/msbtm

Master in Biomedical Engineering
http://www.bme.cmu.edu/gradprog/
ms.html

M.S. in Biomedical Engineering
http://www.bme.cmu.edu/gradprog/
ms.html

Ph.D. in Biomedical Engineeringhttp://www.bme.cmu.edu/gradprog/phd.
html

M.D./Ph.D. in Biomedical Engineering (with University of Pittsburgh School of Medicine)

http://www.bme.cmu.edu/gradprog/ md_phd.html

Computer Science

M.S. in Computer Science

www.csd.cs.cmu.edu/education/master/index.html

Ph.D. in Computer Science
www.csd.cs.cmu.edu/education/phd

M.S. in Language Technologies http://www.lti.cs.cmu.edu/

Ph.D. in Language and Information Technologies

www.lti.cs.cmu.edu

Ph.D. in Machine Learning

http://www.ml.cmu.edu/prospectivestudents/index.html

Ph.D. in Machine Learning and Public Policy

http://www.ml.cmu.edu/prospectivestudents/joint-phd-mlheinz.html

Ph.D. in Statistics and Machine Learning

http://www.ml.cmu.edu/prospectivestudents/joint-phd-mlstat.html

Master of Entertainment Technology

http://www.etc.cmu.edu/site/

Masters of Human-Computer Interaction

www.hcii.cmu.edu/masters-programpittsburah

Ph.D. in Human-Computer Interaction

www.hcii.cmu.edu/phd-program

M.S. in Robotics

http://www.ri.cmu.edu/ri_static_content.
html?menu id=322

Computer Science cont.

Ph.D. in Robotics

http://www.ri.cmu.edu/ri_static_content. html?menu id=321

M.S. - Robotics Technology Program www.ri.cmu.edu/MS-RT

M.S. in Information Technology eBusiness Technology

www.ebusiness.cs.cmu.edu

M.S. in Information Technology -Very Large Information Systems http://vlis.isri.cmu.edu/

M.S. in Information Technology -Embedded Software Engineering www.isri.cmu.edu/education/

Masters of Software Engineering http://mse.isri.cmu.edu/softwareengineering/

Ph.D. in Software Engineering www.isri.cmu.edu/education/

Certificate in Software Engineering (CSE)

http://mse.isri.cmu.edu/softwareengineering/web1-Programs/CSE/index. html

Certificate in Systems and Software Engineering (CSSE with Cornell University)

http://mse.isri.cmu.edu/softwareengineering/web1-Programs/CSSE.html

Design

M.S. in Computational Design

http://www.cmu.edu/architecture/academics/graduate/cd/index.html

Ph.D. in Computational Designhttp://www.cmu.edu/architecture/
academics/graduate/cd/index.html

M.S. in Tangible Interaction Design www.cmu.edu/architecture/academics/ graduate/index.html

Master of Design in Communication Planning and Information Design

http://www.design.cmu.edu/show_ program.php?s=2&t=2

Master of Design in Interaction Design

http://www.design.cmu.edu/show_ program.php?s=2&t=3

Ph.D. in Design www.design.cmu.edu

Masters of Human-Computer Interaction

www.hcii.cmu.edu/masters-programpittsburgh

Ph.D. in Human-Computer Interaction

www.hcii.cmu.edu/phd-program

M.S. in Computational Design and Manufacturing

http://www.cmu.edu/me/graduate/degree-programs.html

Carnegie Mellon's Interdisciplinary Approach

Carnegie Mellon University takes a unique interdisciplinary approach to teaching and research-encouraging collaboration among students and faculty across departments and colleges. This unique perspective fosters the growth of innovative discoveries that provide solutions to real-world problems in a variety of disciplines.

Several interdisciplinary programs for graduate study have grown from this approach. This brochure provides an overview of graduate programs offered at Carnegie Mellon that focus on information, computer, and communications technologies. We encourage you to visit the websites listed.

Carnegie Mellon also encourages collaboration across departmental, college and institutional boundaries, continuing the university's strong tradition of interdisciplinary research. Many faculty members have joint appointments, and adjunct faculty members complete the wide array of expertise available to students. Through research, coursework and seminars, students enjoy opportunities to expand their knowledge in interrelated areas. Additional information on research initiatives can be found at http://www.cmu.edu/research/centers.shtml

Engineering

M.S. in Computational Mechanics

http://www.ce.cmu.edu/graduate/msprogram.html

Ph.D. in Computational Mechanics

http://www.ce.cmu.edu/graduate/phdprogram.html

M.S. in Engineering and Technology Innovation Management

http://www.cit.cmu.edu/etim/

Master of Business Administration and Master of Software Engineering (MBA/MSE)

http://mse.isri.cmu.edu/softwareengineering/web1-Programs/MBA-MSE/

Masters of Software Engineering

http://mse.isri.cmu.edu/softwareengineering/

Ph.D. in Software Engineering www.isri.cmu.edu/education/

Certificate in Software

Engineering (CSE) http://mse.isri.cmu.edu/softwareengineering/web1-Programs/CSE/i

engineering/web1-Programs/CSE/index. html

Certificate in Systems and Software Engineering (CSSE with Cornell University)

http://mse.isri.cmu.edu/softwareengineering/web1-Programs/CSSE.html

M.S. in Computational Design and Manufacturing

http://www.cmu.edu/me/graduate/degree-programs.html

Master in Biomedical Engineering

http://www.bme.cmu.edu/gradprog/ ms.html

M.S. in Biomedical Engineering

http://www.bme.cmu.edu/gradprog/ ms.html

Ph.D. in Biomedical Engineering

http://www.bme.cmu.edu/gradprog/phd. html

Pittsburgh School of Medicine)

M.D./Ph.D. in Biomedical Engineering (with University of

www.heinz.cmu.edu/msbtm

Engineering cont.

M.S. in Electrical and Computer Engineering

http://www.ece.cmu.edu/prospective/ graduate/masters/

Ph.D. in Electrical and Computer Engineering

(focus on Signal Processing and Communications of Software Systems and Computer Networking) http://www.ece.cmu.edu/programsadmissions/phd/index.html

Entertainment

M.S. in Music & Technology http://music.cmu.edu/

Master of Entertainment Technology http://www.etc.cmu.edu/site/

Information Management, Systems & Technology

Master of Information Systems Management

www.heinz.cmu.edu/mism

Master of Information Technology Strategy

http://www.cmu.edu/mits/

M.S. in Information Security Policy and Management

www.heinz.cmu.edu/msispm

M.S. in Information Technology

(tracks in IT Management, Information Security and Assurance, Software Design and Management)

www.heinz.cmu.edu/msit

M.S. in Information Technology - Privacy Engineering

http://privacy.cs.cmu.edu

Master of Public Management

(in Educational Technology, Management, and Information Systems) www.heinz.cmu.edu/mpm

Ph.D. in Information Systems and Managment

www.heinz.cmu.edu/msit

Information Management, Systems & Technology cont.

Ph.D. in Information Systems

www.tepper.cmu.edu/doctoral-program/index.aspx

Information Networking

M.S. in Information Networking

www.ini.cmu.edu/degrees/index.html

M.S. in Information Security Technology and Management

www.ini.cmu.edu/degrees/index.html

Executive M.S. in Information Assurance

www.ini.cmu.edu/degrees/index.html

Computation and Statistics

M.S. in Computational Finance

www.tepper.cmu.edu/master-incomputational-finance/index.aspx

Pre-Doctoral Program in Interdisciplinary Education Research

www.cmu.edu/pier

M.S. in Logic, Computation, and Methodology

http://www.hss.cmu.edu/philosophy/ graduate-ms.php

Ph.D. in Logic, Computation, and Methodology

http://www.hss.cmu.edu/philosophy/ graduate-phd.php

Ph.D. in Pure and Applied Logic http://logic.cmu.edu/

Master's in Statistical Practice

http://www.stat.cmu.edu/programs/ graduate

Ph.D. in Statistics

http://www.stat.cmu.edu/programs/ graduate

Ph.D. in Statistics and Public Policy

http://www.stat.cmu.edu/programs/ graduate

Ph.D. in Statistics and Machine Learning

http://www.stat.cmu.edu/programs/ graduate

Continues on the back

FUNDING FOR GRADUATE STUDY

Doctoral programs at Carnegie Mellon usually provide tuition and stipends for their students. Master's programs are typically not funded, but partial departmental assistance may be available. Additionally, various types of financial aid are available for master's and Ph.D. programs. For more information, contact the individual departments or Enrollment Services: http://www.cmu.edu/hub/new-grad/index.html

Policy & Management

M.S. in Public Policy and Management

www.heinz.cmu.edu/msppm

Master of Public Management

(in Management, Healthcare and Education)

http://www.heinz.cmu.edu/mpm

Ph.D. in Public Policy and Management

www.heinz.cmu.edu/phd

Ph.D. in Statistics and Public Policy http://www.stat.cmu.edu/programs/

http://www.stat.cmu.edu/programs/ graduate

Ph.D. in Engineering & Public Policy

http://www.epp.cmu.edu/graduate/index. html

Ph.D. in Strategy, Entrepreneurship and Technological Change

www.cmu.edu/SETChange

M.S. in Robotic Systems Development

http://www.ri.cmu.edu/ri_static_content. html?menu_id=437

Ph.D. in Computation, Organizations and Society

http://cos.cs.cmu.edu/

Ph.D. in Machine Learning and Public Policy

http://www.ml.cmu.edu/prospectivestudents/joint-phd-mlheinz.html

M.S. in Biotechnology and Management

www.heinz.cmu.edu/msbtm

M.S. in Information Technology -Software Engineering Management

www.isri.cmu.edu/education/

M.S. in Engineering and Technology Innovation Management

http://www.cit.cmu.edu/etim/

Master of Business Administration and Master of Software Engineering (MBA/MSE)

http://mse.isri.cmu.edu/softwareengineering/web1-Programs/MBA-MSE/

Telecommunication & **Electronic Security**

M.S. in Electrical and Computer Engineering

http://www.ece.cmu.edu/prospective/ graduate/masters/

Ph.D. in Electrical and Computer Engineering

(with a focus on Signal Processing and Communications of Software Systems and Computer Networking) http://www.ece.cmu.edu/programsadmissions/phd/index.html

M.S. in Information Networking http://www.ini.cmu.edu/degrees/index.

html M.S. in Information Security Technology and Management

http://www.ini.cmu.edu/degrees/pgh_ msistm/index.html

Master of Information Systems Management

www.heinz.cmu.edu/mism

M.S. in Information Technology

(tracks in IT Management, Information Security and Assurance, Software Design and Management) www.heinz.cmu.edu/msit

M.S. in Information Security Policy and Management

www.heinz.cmu.edu/msispm

M.S. in Information Technology - Information Security

http://www.ini.cmu.edu/degrees/index.html

Executive M.S. in Information Assurance

www.ini.cmu.edu/degrees/index.html

Global Presence

Silicon Valley

Moffett Field, CA

http://www.cmu.edu/silicon-valley/

M.S. in Software Engineering

M.S. in Software Managment

M.S. in Engineering and Technology Innovation Management

M.S. in Information Technology MSIT-Mobility, MSIT-Information

Security, MSIT-Software Management M.S. in Electrical and Computer

Engineering
Ph.D. in Electrical and Computer
Engineering (with a focus on mobility,
security, wireless sensors and networking)

Australia

http://www.heinz.cmu.edu/australia/index.aspx

M.S. in Information Technology
M.S. in Information Technology Information Technology
Management
M.S. in Public Policy and

M.S. in Public Policy and Management

Portugal

http://www.cmuportugal.org/home.aspx?id=132

Master of Entertainment Technology

Master in Human-Computer Interaction

M.S. in Information Technology - Information Security
Master of Software Engineering
Ph.D. in Computer Science

Ph.D. in Computer Science - Robotics

Ph.D. in Electrical and Computer Engineering

Ph.D. in Engineering and Public Policy

Ph.D. in the area of Human-Computer Interaction

Ph.D. in Language Technology

Ph.D. in Applied Mathematics Ph.D. in Software Engineering

Ph.D. in Technological Change and

Entrepreneurship

Rwanda

http://www.cmu.edu/rwanda/

Master's in Information Technology
M.S. in Electrical and Computer
Engineering (Start date Fall 2014)

Carnegie Mellon University does not discriminate in admission, employment, or administration of its programs or activities on the basis of race, color, national origin, sex, handicap or disability, age, sexual orientation, gender identity, religion, creed, ancestry, belief, veteran status, or genetic information. Furthermore, Carnegie Mellon University does not discriminate and is required not to discriminate in violation of federal, state, or local laws or executive orders. Inquiries concerning the application of and compliance with this statement should be directed to the vice president for campus affairs, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-2056. Obtain general information about Carnegie Mellon University by calling 412-268-2000.