

# Degrees Offered

## Carnegie Institute of Technology

- **Interdepartmental**  
M.S. in Engineering and Technology Innovation Management
- **Biomedical Engineering**  
B.S. in an engineering discipline and Biomedical Engineering  
M. of Biomedical Engineering  
M.S. in Biomedical Engineering  
Ph.D. in Biomedical Engineering
- **Chemical Engineering**  
B.S. in Chemical Engineering  
M. Chemical Engineering and Colloids, Polymers and Surfaces  
M.S. in Chemical Engineering  
M.S. in Colloids, Polymers and Surfaces (jointly with Mellon College of Science)  
Ph.D. in Chemical Engineering
- **Civil and Environmental Engineering**  
B.S. in Civil Engineering  
M.S. in Advanced Infrastructure Systems  
M.S. in Architecture–Engineering–Construction Management (jointly with the Department of Architecture)  
M.S. in Civil and Environmental Engineering  
M.S. in Civil Engineering  
M.S. in Civil and Environmental Engineering and Management (jointly with the Tepper School of Business)  
M.S. in Computational Mechanics  
M.S. in Environmental Engineering  
M.S. in Environmental Management and Science  
Ph.D. in Advanced Infrastructure Systems  
Ph.D. in Architecture–Engineering–Construction Management (jointly with the Department of Architecture)  
Ph.D. in Environmental Engineering  
Ph.D. in Civil and Environmental Engineering/Engineering and Public Policy  
Ph.D. in Civil Engineering  
Ph.D. in Computational Mechanics  
Ph.D. in Computational Science and Engineering  
Ph.D. in Environmental Management and Science
- **Electrical and Computer Engineering**  
B.S. in Electrical and Computer Engineering  
M.S. in Electrical and Computer Engineering  
Ph.D. in Electrical and Computer Engineering
- **Engineering and Public Policy**  
B.S. in an engineering discipline and Engineering and Public Policy  
M.S. in Engineering and Public Policy  
Ph.D. in Engineering and Public Policy and an engineering discipline  
Ph.D. in Engineering and Public Policy
- **Information Networking Institute**  
M.S. in Information Networking  
M.S. in Information Security Technology Management  
M.S. in Information Technology — Information Security  
M.S. in Information Technology — Mobility  
M.S. in Information Technology — Software Management
- **Mechanical Engineering**  
B.S. in Mechanical Engineering  
M.S. in Mechanical Engineering  
M. of Product Development (jointly with the School of Design)  
Ph.D. in Mechanical Engineering
- **Materials Science and Engineering**  
B.S. in Materials Science and Engineering  
M.S. in Materials Science and Engineering  
Ph.D. in Materials Science and Engineering
- **West Coast Campus**  
M.S. in Engineering and Technology Innovation Management  
M.S. in Software Engineering

M.S. in Software Engineering — Development Management  
M.S. in Software Management

## College of Fine Arts

- **Interdepartmental**  
M. of Arts Management (jointly with the H. John Heinz III School of Public Policy and Management)
- **Architecture**  
B.Arch in Architecture (5 year program)  
M.S. in Architecture–Engineering–Construction Management (jointly with the Department of Architecture)  
M.S. in Building Performance and Diagnostics  
M.S. in Computational Design  
M.S. in Sustainable Design  
M. of Tangible Interaction Design  
M. of Urban Design  
Ph.D. in Architecture  
Ph.D. in Building Performance and Diagnostics  
Ph.D. in Computational Design
- **Art**  
B.F.A. in Art  
M.F.A. in Art
- **Design**  
B.F.A. in Communication Design  
B.F.A. in Design  
B.F.A. in Industrial Design  
B.F.A. in Interaction Design  
M. Design in Interaction Design  
M. Design in Communication Planning and Information Design (jointly with Department of English)  
M. of Product Development (jointly with Department of Mechanical Engineering)  
Ph.D. in Design
- **Drama**  
B.F.A. in Drama  
M.F.A. in Costume Design  
M.F.A. in Directing  
M.F.A. in Directing and Playwriting  
M.F.A. in Drama  
M.F.A. in Dramatic Writing  
M.F.A. in Lighting Design  
M.F.A. in Production  
M.F.A. in Production Technology and Management  
M.F.A. in Scene Design  
M.F.A. in Sound Design
- **Music**  
B.F.A. in Music  
B.F.A. in Music (Composition)  
B.F.A. in Music Performance  
M. Music in Composition  
M. Music in Music Education  
M. Music in Music Performance  
M. Music in Performance

## College of Humanities and Social Sciences

- **Interdepartmental**  
B.S. in Economics and Statistics (jointly offered by Departments: Statistics and Economics)  
B.A. in Ethics, History, and Public Policy (jointly offered by Departments: History and Philosophy)  
B.A. in European Studies (jointly offered by Departments: Modern Languages and History)  
B.S. in Ethics, History, and Public Policy (jointly offered by Departments: History and Philosophy)  
B.S. in Information Systems  
B.S. in Linguistics (jointly offered by Departments: English, Modern Languages, Philosophy, and Psychology)  
B.A. in Russian Studies (jointly offered by Departments: Modern Languages and History)

- Center for the Neural Basis of Cognition  
Ph.D. in Neural Computation
- Economics (jointly with the Tepper School of Business)  
B.A. in Economics  
B.S. in Economics  
M.S. in Quantitative Economics  
Ph.D. in Economics
- English  
B.A. in Creative Writing  
B.A. in English  
B.A. in Professional Writing  
B.S. in Technical Writing and Communication  
M.A. in Literary and Cultural Studies  
M.A. in Professional Writing  
M.A. in Rhetoric  
M. of Communication Planning and Information Design (jointly with the School of Design)  
Ph.D. in Literary and Cultural Studies  
Ph.D. in Rhetoric
- History  
B.A. in Anthropology and History  
B.A. in History and Policy  
B.A. in Social and Cultural History  
B.S. in Anthropology and History  
B.S. in History and Policy  
B.S. in Social and Cultural History  
M.A. in History  
M.A. in History (fifth-year program along with Chatham College Secondary School Pennsylvania State Teacher Certification Program)  
M.S. in History and Policy  
Ph.D. in History  
Ph.D. in History and Policy
- Modern Languages  
B.A. in Chinese  
B.A. in French and Francophone Studies  
B.A. in German  
B.A. in Hispanic Studies  
B.A. in Japanese  
Ph.D. in Second Language Acquisition
- Philosophy  
B.A. in Philosophy  
B.S. in Logic and Computation  
M.A. in Philosophy  
M.S. in Logic, Computation and Methodology  
Ph.D. in Logic, Computation and Methodology  
Ph.D. in Pure and Applied Logic (jointly with the Department of Mathematics and the School of Computer Science)
- Psychology  
B.A. in Psychology  
B.S. in Cognitive Science  
B.S. in Psychology  
B.S. in Psychology and Biological Sciences (jointly with the Department of Biological Sciences)  
Ph.D. in Psychology
- Social and Decision Sciences  
B.S. in Decision Science  
B.S. in Global Politics  
B.S. in Policy and Management  
B.S. in Political Science  
M.S. in Behavioral Decision Research  
M.S. in Political Science  
M.S. in Psychology and Behavioral Decision Research (jointly with the Department of Psychology)  
M.S. in Social and Decision Sciences  
Ph.D. in Behavioral Decision Research  
Ph.D. in Political Science  
Ph.D. in Psychology and Behavioral Decision Research (jointly with the Department of Psychology)  
Ph.D. in Social and Decision Sciences  
Ph.D. in Sociology
- Statistics  
B.S. in Economics and Statistics (jointly with the Department of Economics)  
B.S. in Statistics  
M.S. in Statistics  
Ph.D. in Statistics  
Ph.D. in Statistics and Information Systems  
Ph.D. in Statistics and Machine Learning (jointly with the Department of Machine Learning)

Ph.D. in Statistics and Public Policy (jointly with the H. John Heinz III School of Public Policy and Management)

### Computer Science and Arts

B. of Computer Science and Arts (jointly with the School of Computer Science and the College of Fine Arts)

### Computational Biology

M.S. in Computational Biology

### Entertainment Technology Center

M. of Entertainment Technology

### The H. John Heinz III School of Public Policy and Management

M. of Arts Management (jointly with the College of Fine Arts)  
M. of Entertainment Industry Management (jointly with the College of Fine Arts)  
M. of Medical Management  
M. of Public Management  
M.S. in Biotechnology Management (jointly with Mellon College of Science and Tepper School of Business)  
M.S. in Educational Technology Management  
M.S. in Health Care Policy and Management  
M.S. in Information Security Policy and Management  
M.S. in Public Policy and Management  
Ph.D. in Public Policy and Management  
Ph.D. in Economics and Public Policy (jointly with the Tepper School of Business)  
Ph.D. in Statistics and Public Policy (jointly with College of Humanities and Social Sciences)

### Humanities and Arts

B. of Humanities and Arts (jointly with the College of Humanities and Social Sciences and the College of Fine Arts)

### Information Systems

M. of Information Systems Management  
M.S. in Information Technology  
M.S. in Information Technology - Information Security and Assurance  
M.S. in Information Technology - Information Systems Management  
M.S. in Information Technology - Information Technology Management  
M.S. in Information Technology - Software Design and Management  
M.S. in Information Technology - Software Engineering (jointly with School of Computer Science)

### Mellon College of Science

- Biological Sciences  
B.A. in Biological Sciences (and a discipline the Humanities and Social Sciences)  
B.S. in Biological Sciences  
B.S. in Biological Sciences and Psychology (jointly with the Department of Psychology)  
B.S. in Computational Biology  
M.S. in Biological Sciences  
M.S. in Computational Biology  
Ph.D. in Biological Sciences
- Chemistry  
B.A. in Chemistry  
B.S. in Chemistry  
B.S. in Chemistry/Computational Chemistry Track  
M.S. in Chemistry  
M.S. in Colloids, Polymers, and Surfaces (jointly with the Department of Chemical Engineering)  
Ph.D. in Chemistry
- Mathematical Sciences  
B.S. in Mathematical Sciences  
B.S. in Computational Finance (jointly with Heinz School of

Public Policy and Management and Tepper School of Business)  
 M.S. in Computational Finance (jointly with Heinz School of  
 Public Policy and Management and Tepper School of Business)  
 M.S. in Algorithms, Combinatorics, and Optimization  
 M.S. in Mathematical Sciences  
 D.A. in Mathematical Sciences  
 Ph.D. in Mathematical Finance  
 Ph.D. in Mathematical Sciences  
 Ph.D. in Pure and Applied Logic (jointly with the Department  
 of Philosophy and the School of Computer Science)

- **Physics**  
 B.A. in Physics  
 B.S. in Physics  
 M.S. in Physics  
 Ph.D. in Applied Physics  
 Ph.D. in Physics

### School of Computer Science

B.S. in Computer Science  
 M.S. in Algorithms, Combinatorics and Optimization  
 M.S. in Computational Finance (offered jointly with the  
 Tepper School of Business and the Heinz School of Public  
 Policy and Management)  
 M.S. in Computer Science  
 M.S. in Computer Science (5th Year Scholars Program only)  
 M.S. in Pure and Applied Logic (jointly with the Department of  
 Mathematical Sciences and the Department of Philosophy)  
 Ph.D. in Algorithms, Combinatorics and Optimization  
 Ph.D. in Computer Science  
 Ph.D. in Pure and Applied Logic (jointly with the Department of  
 Mathematical Sciences and the Department of Philosophy)

- **Human-Computer Interaction**  
 M.S. in Human-Computer Interaction  
 M. of Human-Computer Interaction  
 Ph.D. in Human-Computer Interaction
- **Institute for Software Research**  
 M.S. in Information Technology — eBusiness Technology  
 M.S. in Information Technology — Very Large Information  
 Systems  
 M.S. in Computation, Organizations and Society  
 Ph.D. in Computation, Organizations and Society
- **Language Technologies Institute**  
 M.S. in Language Technologies  
 Ph.D. in Language Technologies
- **Machine Learning**  
 M.S. in Knowledge Discovery and Data Mining  
 M.S. in Machine Learning  
 Ph.D. in Machine Learning  
 Ph.D. in Machine Learning & Public Policy (jointly with the  
 Heinz School of Public Policy and Management)  
 Ph.D. in Computational and Statistical Learning  
 Ph.D. in Statistics and Machine Learning (jointly with College of  
 Humanities and Social Sciences)
- **Robotics Institute**  
 M.S. in Information Technology — Robotics Technology  
 M.S. in Robotics  
 Ph.D. in Robotics
- **Software Engineering**  
 M. of Software Engineering  
 M.S. in Information Technology  
 M.S. in Information Technology (Software Engineering)  
 M.S. in Software Engineering  
 Ph.D. in Software Engineering

### Science and Arts

B. of Science and Arts (jointly with the College of Fine  
 Arts and the Mellon College of Science)

### Science and Humanities Scholars

B.A./B.S. in various disciplines (jointly with the College of  
 Humanities and Social Sciences and the Mellon College of  
 Science)

### David A. Tepper School of Business

B.S. in Business Administration  
 M.B.A. in Industrial Administration  
 M.S. in Accounting  
 M.S. in Algorithms, Combinatorics, and Optimization  
 (jointly with the School of Computer Science)  
 M.S. in Civil Engineering and Management (jointly with the  
 Carnegie Institute of Technology)  
 M.S. in Computational Finance (jointly with the College of  
 Humanities and Social Sciences, Mellon College of  
 Science, and School of Computer Science)  
 M.S. in Economics  
 M.S. in Information Networking (jointly with the Carnegie  
 Institute of Technology and the School of Computer  
 Science)  
 M.S. in Management, Manufacturing: Automation  
 M.S. in Manufacturing and Operations Systems  
 M.S. in Marketing  
 M.S. in Operations Research  
 M.S. in Organizational Psychology and Theory  
 M.S. in Quantitative Economics  
 M.S. in Software Engineering and Business Management  
 (jointly with the School of Computer Science)  
 Ph.D. in Accounting  
 Ph.D. in Algorithms, Combinatorics, and Optimization  
 (jointly with the School of Computer Science)  
 Ph.D. in Economics  
 Ph.D. in Financial Economics  
 Ph.D. in Manufacturing and Operations Systems  
 Ph.D. in Marketing  
 Ph.D. in Operations Research  
 Ph.D. in Organizational Psychology and Theory