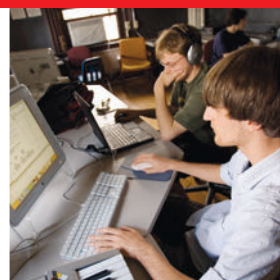


School of Humanities, Arts, and Social Sciences

direct
from the
dean's
office

Mary Simoni,
B.Mus., B.Mus., M.Mus.,
Ph.D., Michigan State
University



In the School of Humanities, Arts, and Social Sciences (HASS) at Rensselaer, we embrace technological change as the prelude to the exciting challenge of reimagining the traditional liberal arts in a new cultural context. We are looking for students who share our interest in exploring, innovating, and redefining how to approach the technological world in which we live. We are looking for students who want to follow their passion for art, design, communications, economics, and social science in totally new directions and levels of excellence. Our students pursue traditional careers—in law, medicine, business, art, education, communication, and engineering—and distinguish themselves with the skill sets that can only be gained by developing an understanding of the broad context and deep interconnections that are the hallmark of the educational programs offered in HASS. We hope you will want to join us!

www.hass.rpi.edu

COGNITIVE SCIENCE

Degrees Offered: B.S., Ph.D.

Research/Concentration Areas

- Computational cognitive modeling
- Artificial intelligence and cognitive robotics
- Perception and action
- Cognitive engineering

Career Options

- Artificial intelligence
- Cognitive engineering
- Education
- Complex systems analysis
- Robotics
- Speech synthesis and voice recognition
- Human factors engineering
- Computational finance

Dual Major Options

- Computer science
- Games and simulation arts and sciences
- Mathematics

www.cogsci.rpi.edu

COMMUNICATION

Degrees Offered: B.S., M.S., Ph.D.

Research/Concentration Areas

- Human-computer interaction and usability design
- Multimedia production
- Branding and advertising
- Internet technology
- Technical writing and editing
- Graphic and interaction design

Career Options

- Information designers
- Internet communication specialists
- Marketing specialists

- Public relations
- Technical writing/editing

www.cm.rpi.edu

ECONOMICS

Degrees Offered: B.S., M.S., Ph.D.

Research/Concentration Areas

- Innovation and technological change
- Behavioral and experimental economics
- Environmental and energy economics
- Econometrics and quantitative analytics
- Economic development

Career Options

- Business
- Finance
- Economic research and consulting
- Business analytics
- Law
- Government

www.economics.rpi.edu

ELECTRONIC ARTS

Degrees Offered: B.S., MFA, Ph.D.

Research/Concentration Areas

- Visual arts and animation
- Computer music and sound art
- Video and emerging media
- Art, technology, and culture

Career Options

- Video, digital, or installation art
- Performance
- Computer animation and 3-D graphics
- Digital audio
- Game design
- Media production

what's hot in Humanities, Arts, and Social Sciences

Access to state-of-the-art studios, including Undergraduate Visualization, Animation, Simulation, Technology Studio; Games and Simulation Lab; Rensselaer Artificial Intelligence and Reasoning Lab; Undergrad Multimedia Studio; Product Design & Innovation Studio

Social and Behavioral Research Laboratory enables research in technology-mediated communication, human-computer interaction, psychology, cognitive science, informatics, and technology studies

Public Service Internship Program places students in nonprofit and governmental agencies in the City of Troy and throughout the Capital Region

New Sustainability Studies Major

- Technical direction
- Social website community development

Portfolio Required

electronicarts@rpi.edu
www.arts.rpi.edu

PHILOSOPHY

Degrees Offered: B.S.

Research/Concentration Areas

- Reasoning computation and mind
- Philosophy of science and mathematics
- Philosophy of human values and culture

www.cogsci.rpi.edu

PSYCHOLOGY

Degrees Offered: B.S.

Research/Concentration Areas

- Brain and behavior
- Cognitive modeling
- Community and health psychology
- Human factors
- Perception and action

Dual Major Options

- Computer science
- Electronic media, arts, and communication
- Engineering
- Mathematics
- Business and management

Career Options

- Education and consulting
- Human resource management
- Mental health
- Government agencies
- Nonprofit organizations

www.cogsci.rpi.edu

SCIENCE, TECHNOLOGY, & SOCIETY

Degrees Offered: B.S., M.S., Ph.D.

Research/Concentration Areas

- Biology, medicine, and society
- Environment and society
- Engineering, design, and society
- Information and society
- Law, values, and public policy

Career Options

- Social science research
- Science and technology policy
- Medicine and health policy
- Law and government
- Community research and outreach
- Environmental project management

www.sts.rpi.edu

SUSTAINABILITY STUDIES

Degree Offered: B.S.

Research/Concentration Areas

- Energy pathways
- Food systems
- Green cities
- Environment and health
- Environmental justice
- Education for sustainability

Career Options

- Sustainability research
- Environmental policy and law
- Environmental public health
- Environmental education
- Resource management
- Sustainability project management
- Community research and outreach
- Regional planning

www.sts.rpi.edu/pl/sustainability-studies

INTERDISCIPLINARY PROGRAMS

ELECTRONIC MEDIA, ARTS, AND COMMUNICATION

Degree Offered: B.S.

Research/Concentration Areas

- Digital storytelling
- Graphic design
- Interaction design
- Marketing communication and design
- Sound design and popular culture

Career Options

- Information design
- Graphic design
- Web design and authoring
- Print and online publishing
- Human-computer interaction
- Video, digital, or installation art
- Computer animation and 3-D graphics
- Digital audio
- Media production
- Marketing communication

www.emac.rpi.edu

DESIGN, INNOVATION, AND SOCIETY

Degree Offered: B.S.

Research/Concentration Areas

- Socially and environmentally responsible design
- Culturally appropriate design
- User experience design
- Organizational and social systems design
- Design creativity and innovation practices
- Social implications of technology

Dual Major Options

- Mechanical engineering
- Business management
- Communication

Career Options

- Product designer
- Market analyst
- Design consultant
- Green product development
- Social entrepreneurship
- Organizational sustainability coordinator
- Product supply chain analyst

www.pdi.rpi.edu

GAMES AND SIMULATION ARTS AND SCIENCES

Degree Offered: B.S.

Research/Concentration Areas

- Video game hardware and software
- Animation
- Human-computer interaction
- Computer science
- Management/entrepreneurship
- Cognitive science

Dual Major Options

- Art
- Cognitive science (psychology)
- Communication
- Computer science
- Business and management

Career Options

- Game development and engineering
- 3-D modeling and animation
- Writing for games
- Game user interface design
- Virtual reality and simulation design
- Applied games and simulations
- Artificial intelligence
- Computer graphics

www.gsas.rpi.edu

Visit our online catalog for more detailed information at www.rpi.edu/academics/catalog or contact HASS Student Services at HASSinfo@rpi.edu



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