

WHAT CAN I DO WITH A MAJOR IN

Architecture & Environmental Design



MAJOR OVERVIEW

The Architecture and Environmental Design major educates students on how architecture relates to urban design, interior architecture, sustainability, and environment by offering sequences of architectural design studios with history and theory courses. As part of the program, students also learn about structures, materials, and building systems.

TOP INDUSTRIES

- Interior Architecture
- Historic Preservation
- Construction Management
- Real Estate Development
- Urban Design
- Sustainable Development

RELATED CAREER TITLES

- Architect
- Landscape Architect
- Regional Planner
- Computer-Aided Design Technician
- Model-Maker
- Building Information Modeling Specialist

BGSU STUDENT ORGANIZATIONS

- American Industry of Architecture Students
- Environmental Service Club
- National Organization of Minority Architecture Students
- Purple Hard Hats
- Environmental Action Club
- American Society of Interior Designers

PROFESSIONAL ASSOCIATIONS

- American Institute of Architects
- American Planning Association
- Society of American Registered Architects
- National Council of Architectural Registration Boards
- Society of Architectural Historians
- American Society of Landscape Architects

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- MBA Architects and Planners, LLC
- Poggemeyer Design Group, Inc.
- Meyers Landscape Service and Nursery
- Peterman Associates, Inc.
- SSOE Architecture and Engineering Firm
- Overholser Builders

RELATED BGSU GRADUATE PROGRAMS

- Architecture
- Technology Management



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WHAT CAN I DO WITH A MAJOR IN

Aviation Studies



MAJOR OVERVIEW

The Aviation Studies major has different specializations including flight technology and operations, aviation management and operations, or aviation engineering technology. Each specialization offers a combination of theory and hands-on practice, complimented by business and liberal arts courses, to prepare students for employment upon graduation.

TOP INDUSTRIES

- Corporate Aviation
- Aircraft Manufacturing
- Engineering
- United States Military
- Air Freight
- Recreation

RELATED CAREER TITLES

- Commercial Pilot
- Cargo Operator
- Aerial Photographer
- Flight Instructor
- Military Pilot
- Air Traffic Controller

BGSU STUDENT ORGANIZATIONS

- Alpha Eta Rho
- Women in Aviation
- Falcon Flight Team
- Fighting Falcon Squadron
- Fighting Falcon Battalion
- Falcon Leadership Institute

PROFESSIONAL ASSOCIATIONS

- Air Line Pilots Association
- Society of Aviation and Flight Educators
- Federal Aviation Administration
- Women in Aviation, International
- Society of Experimental Test Pilots
- Airport Minority Advisory Council

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- Owens Illinois, Inc.
- Wood County Regional Airport
- Quick Flight Services
- Delta
- Million Air
- Toledo Port Authority

RELATED BGSU GRADUATE PROGRAMS

- Interdisciplinary Studies
- Physics and Astronomy



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WHAT CAN I DO WITH A MAJOR IN

Construction Management



MAJOR OVERVIEW

The Construction Management major prepares students for roles in the rapidly expanding field of construction. The curriculum is a combination of architecture, engineering, and business courses which includes the application of concepts in laboratory workshops and cooperative education experiences. As part of the program, students learn about computer applications, cost estimating, scheduling, surveying, management, and leadership skills.

TOP INDUSTRIES

- Commercial Construction
- Industrial Construction
- Building Inspection
- Compliance
- Estimation
- Engineering

RELATED CAREER TITLES

- Project Manager
- Construction Manager
- Sustainability Consultant
- Scheduler
- Inspector
- Building Surveyor

BGSU STUDENT ORGANIZATIONS

- Women in Technology
- Engineering Society
- Student Construction Management Association
- Environmental Service Club
- Student Arts Council
- American Institute of Architecture Studies

PROFESSIONAL ASSOCIATIONS

- American Council for Construction Education
- Associated Builders and Contractors
- National Association of Home Builders
- American Institute of Contracts
- Construction Management Association of America
- National Association of Women in Construction

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- Rudolph Libbe
- Kiewit
- Homes by Josh Doyle
- Baker Concrete
- The Douglas Company
- The Lathrop Company

RELATED BGSU GRADUATE PROGRAMS

- Technology Management (PhD)
- MTM Construction Management



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WHAT CAN I DO WITH A MAJOR IN

Electronics & Computer Engineering Technology



MAJOR OVERVIEW

The Electronics and Computer Engineering Technology major teaches students the technical skills needed to design computer hardware and software. This program provides a comprehensive overview in diverse areas such as computer hardware and interfacing, computer-based instrumentation and process control, digital communication and networking, and electric motors and controls.

TOP INDUSTRIES

- Computer and Electronics Manufacturing
- Guidance and Control Systems
- Aerospace
- Defense
- Health Care
- Electric Power and Energy

RELATED CAREER TITLES

- Electrical Engineer
- Network Engineer
- Engineering Technician
- Manufacturing Superintendent
- Automation Analyst
- Electronic Design Engineer

BGSU STUDENT ORGANIZATIONS

- Falcon Robotics
- Purple Hard Hats
- Engineering Society
- Association for Computing Machinery
- Information Systems Organization
- Women in Technology

PROFESSIONAL ASSOCIATIONS

- Computing Research Association
- Association for Computer Machinery
- American Association for Artificial Intelligence
- Association for Women in Computing
- Association of Computer Engineers
- Institution of Electrical and Electronics Engineers

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- Sauder
- Marathon
- LuK Incorporated
- Whirlpool
- Charter Steel
- Nationwide Children's Hospital

RELATED BGSU GRADUATE PROGRAMS

- MTM Engineering Technology
- MTM Quality Systems



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WHAT CAN I DO WITH A MAJOR IN

Mech. and Manufacturing Engineering Tech.



MAJOR OVERVIEW

The Mechanical and Manufacturing Engineering Technology major combines the practical application of science and engineering to real world problems. While traditional engineering focuses more on concepts, engineering technology emphasizes the application of engineering techniques. As part of the program, graduates will use technical equipment, sell technical products, or supervise construction and manufacturing projects.

TOP INDUSTRIES

- Manufacturing
- Environmental
- Pharmaceutical
- Power Generation
- Aerospace
- Shipbuilding

RELATED CAREER TITLES

- Design Engineer
- Sales Engineer
- Design Manager
- Product Designer
- Process Engineer
- Technologist

BGSU STUDENT ORGANIZATIONS

- Purple Hard Hats
- Women in Technology
- Women in Computing
- International Society of Automation
- Association for Computing Machinery
- Student Construction Management Association

PROFESSIONAL ASSOCIATIONS

- Institution of Engineering and Technology
- American Institute of Aeronautics and Astronautics
- American Society for Engineering Education
- National Society of Black Engineers
- Society of Women Engineers
- Society of American Military Engineers

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- Kuss Filtration
- Marathon
- The Bellevue Manufacturing Company
- Honda
- Emerson Climate Technologies
- General Dynamics

RELATED BGSU GRADUATE PROGRAMS

- Technology Management
- Engineering Technology



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WHAT CAN I DO WITH A MAJOR IN

Mechatronics Engineering Technology



MAJOR OVERVIEW

The Mechatronics Engineering Technology major is the integration of mechanical and electrical engineering with computer science and control systems. As part of the program, students learn how to apply these multidisciplinary skills in a spectrum of areas associated with the analysis, applied design, development, implementation, automation, and management of advanced mechatronics and robotics system technologies.

TOP INDUSTRIES

- Robotics
- Transportation
- Manufacturing
- Green Energy
- Biotechnology
- Homeland Security

RELATED CAREER TITLES

- Industrial Engineer
- Controls Specialist
- Automation Specialist
- Programmer
- Motion Control Programmer
- Machine Designer

BGSU STUDENT ORGANIZATIONS

- Women in Technology
- Falcon Robotics
- Women in Computing
- Engineering Society
- Association of Computing Association
- Information Systems Organization

PROFESSIONAL ASSOCIATIONS

- Association for Advancing Automation
- International Federation of Automatic Control
- International Federation of Robotics
- IEEE Robotics and Automation Society
- American Society of Mechanical Engineers
- International Society of Mechatronic Engineering

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- Vesuvius
- Lighthouse IT Solutions
- Advance Pierre Foods
- Schaeffler
- 3-D Technologies
- Ventra Plastics

RELATED BGSU GRADUATE PROGRAMS

- Technology Management (Master's)
- Technology Management (PhD)



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WHAT CAN I DO WITH A MAJOR IN

Systems Engineering



MAJOR OVERVIEW

The systems engineering (SYE) program is a multidisciplinary engineering discipline that takes a holistic approach to designing and improving complex systems such as manufacturing, logistics, retail service, and healthcare systems. The graduates from this program will be well versed in dealing with people, processes, and technologies.

TOP INDUSTRIES

- Engineering
- Manufacturing
- Health
- Business
- Economics
- Environments

RELATED CAREER TITLES

- Systems Engineer
- Process Engineer
- Logistics Manager
- Industrial Engineer
- Production Manager
- Supply Chain Analyst

BGSU STUDENT ORGANIZATIONS

- Entrepreneurship Club
- Engineering Society
- Purple Hard Hats
- Information Systems Organization
- Supply Chain Management Association
- Women in Technology

PROFESSIONAL ASSOCIATIONS

- International Council on Systems Engineering
- Accreditation Board for Engineering and Technology
- American Society for Precision Engineering
- Society for Health Systems
- American Indian Science and Engineering Society
- National Society of Black Engineers

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- Hewlett-Packard Company
- Parker Hannifin
- Fiat Chrysler Automobile
- Honda
- Dana, Inc.
- Starship Technologies

RELATED BGSU GRADUATE PROGRAMS

- Engineering Technology
- Logistics Systems Engineering



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WHAT CAN I DO WITH A MAJOR IN

Quality Systems



MAJOR OVERVIEW

The Quality Systems major trains students with skills and techniques that can be applied to improve efficiency and effectiveness in any organization or industry. This program, which originated in manufacturing, has emerged as an interdisciplinary area of study including science, mathematics, engineering, and technology, and prepares students to think critically about complex, technical problems in the world.

TOP INDUSTRIES

- Healthcare
- Manufacturing
- Construction
- Government
- Military
- Finance

RELATED CAREER TITLES

- Quality Engineer
- Quality Manager
- Technical Coordinator
- Process Improvement
- Change Manager
- Quality Transformation Team Leader

BGSU STUDENT ORGANIZATIONS

- Women in Technology
- Career Tech Student Association
- Purple Hard Hats
- Information Systems Organization
- Engineering Society
- Women in Computing

PROFESSIONAL ASSOCIATIONS

- American Society for Quality
- National Association for Healthcare Quality
- Society of Quality Assurance
- Electronic Health Record Association
- Health Information Management Systems Society
- Medical Group Management Association

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- Fiat Chrysler Automobile
- Marathon
- Kuss Filtration
- Parker Hannifin
- Emerson Climate Technologies
- First Solar

RELATED BGSU GRADUATE PROGRAMS

- Technology Management (Master's)
- Technology Management (PhD)



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WHAT CAN I DO WITH A MAJOR IN

Visual Communication Technology



MAJOR OVERVIEW

The Visual Communication Technology major offers a cross-disciplinary approach that includes training in print, photography, video, and interactive multimedia providing students broad exposure to media outlets. The program also provides students the ability to expand into their own specialization and combine technical knowledge with other business and liberal arts courses to prepare them to be creative and solve technical problems in a variety of settings.

TOP INDUSTRIES

- Advertising
- Entertainment
- Professional Sports
- News and Media
- Internet
- Production

RELATED CAREER TITLES

- Web Developer
- Print Graphic Specialist
- Digital Photographer
- Videographer
- Print Operations Supervisor
- Video Technician

BGSU STUDENT ORGANIZATIONS

- Visual Communication Technology Organization
- BG Reel
- BG Falcon Media
- Purple Hard Hats
- Fans and Nerds Dedicated to Our Media
- Media Student Association

PROFESSIONAL ASSOCIATIONS

- American Institute of Graphic Arts
- Professional Photographers of America
- National Professional Videographers Association
- Printing Industries of America
- Association of Web Design Professionals
- International Web Association

» EMPLOYERS RECRUITING BGSU STUDENTS FOR EXPERIENTIAL LEARNING AND EMPLOYMENT «

- SFC Graphics
- Root Inc.
- New Balance
- Cleveland Menu Printing
- Crown Equipment Corporation
- Therma-Tru

RELATED BGSU GRADUATE PROGRAMS

- Technology Management (Master's)
- Technology Management (PhD)



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