

CONNECTING UA MAJORS TO TOP JOBS IN OHIO





HOW TO USE THIS TOP JOBS GUIDE

The University of Akron's Career Services & Student Employment office has compiled a list of the majors available at The University of Akron that can help students and alumni prepare for many of the careers listed in Ohio's Top Jobs List. We recommend using this guide to explore majors and career paths. In addition to their academic preparation, students are encouraged to complete experiential learning such as internships, co-ops, certifications or licensure necessary for their career.

Students and alumni can meet with their UA Career Services advisor to explore academic majors and careers. For more information, email career@uakron.edu.

WHAT IS OHIO'S TOP JOBS LIST?

Learn about what makes a top job: [Top Jobs In Ohio](#) includes in-demand and critical jobs and is a customizable, online tool to help guide Ohioans on career pathways that meet their individual needs and goals and allows them to take advantage of top employment opportunities available in our state. Find the online tool at [Ohio's Top Jobs List](#).

The user-friendly dashboard allows Ohioans to view and sort jobs and customize their search to their region and/or industry. These easy-to-use reports help job seekers, educators, businesses, and community leaders make more informed decisions to solidify their short and long-term success.

Comment Key for the Table of Top Jobs:

- ¹ With appropriate certification and licensure.
- ² Sociology major with recommended Research Methods for the Social Sciences Certificate.
- ³ Further education is required for this profession; bachelor's degrees are available at UA to prepare for graduate and professional education programs.



**Governor's Office of
Workforce Transformation**
Top Jobs

FOR MORE INFORMATION VISIT:

TOPJOBS.OHIO.GOV

UA DEGREES AND CORRESPONDING TOP OCCUPATIONS

TOP JOB TITLE	MINIMUM EDUCATION SUGGESTED BY OHIO MEANS JOBS	UA MAJORS TO CONSIDER FOR THIS TOP JOB
Accountants and Auditors	Bachelor's degree ¹	Accounting
Actuaries	Bachelor's degree ¹	Accounting; Actuarial Science; Applied Mathematics; Business Data Analytics; Economics; Financial Management; Statistics
Acute Care Nurses	Bachelor's degree	Nursing
Administrative Services and Facilities Managers	Bachelor's degree	Business Administration; Business Management; Communication Studies; History; Leadership and Human Resources; Organizational Supervision; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology, and Psychology (PSP); Political Science; Psychology; Public Relations; Sociology; Supply Chain/Operations Management
Advanced Practice Psychiatric Nurses	Bachelor's degree	Nursing
Aerospace Engineering and Operations Technicians	Associate's degree	<i>Bachelor's degree</i> in Aerospace Systems Engineering
Aerospace Engineers	Bachelor's degree	Aerospace Systems Engineering
Agricultural and Food Science Technicians	Associate's degree	<i>Bachelor's degree</i> in Food and Nutrition Sciences
Architectural and Civil Drafters	Associate's degree	This specific associate's degree not offered at UA
Architectural and Engineering Managers	Bachelor's degree	Aerospace Systems Engineering; Automated Manufacturing Engineering Technology; Biomedical Engineering; Chemical Engineering; Civil Engineering; Computer Engineering; Construction Engineering Technology; Electrical Engineering; Electrical and Electronic Engineering Technology; Mechanical Engineering; Mechanical Engineering Technology



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Avionics Technicians	Associate's degree	Electrical and Electronic Engineering Technology; Mechanical Engineering Technology
Biological Technicians	Bachelor's degree	Biochemistry; Biology; Biomedical Science; Chemistry
Biomedical Engineers	Bachelor's degree	Biomedical Engineering
Buyers and Purchasing Agents	Bachelor's degree	Applied Mathematics; Business Administration; Business Data Analytics; Construction Engineering Technology; Financial Management; Marketing; Organizational Supervision; Sales Management; Statistics; Statistics, Data Science; Supply Chain/ Operations Management
Calibration and Engineering Technologists and Technicians, Except Drafters, All Other	Associate's degree	Automated Manufacturing Engineering Technology; <i>Associate's degree</i> in Electrical and Electronic Engineering Technology; Mechanical Engineering Technology <i>Bachelor's degree</i> in Automated Manufacturing Engineering Technology; Electrical and Electronic Engineering Technology; Mechanical Engineering Technology
Career/Technical Education Teachers, Secondary School	Bachelor's degree ¹	Art Education; Education
Chemical Engineers	Bachelor's degree	Chemical Engineering
Chemical Technicians	Associate's degree	<i>Bachelor's degree</i> in Biochemistry; Chemical Engineering; Chemistry
Chemists	Bachelor's degree	Biochemistry; Chemical Engineering; Chemistry
Child, Family, and School Social Workers	Bachelor's degree ¹	Child and Family Development; Education; Psychology; Social Work; Sociology
Civil Engineers	Bachelor's degree	Civil Engineering



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Civil Engineering Technicians	Associate's degree	<i>Associate's degree</i> in Construction Engineering Technology <i>Bachelor's degree</i> in Civil Engineering; Construction Engineering Technology
Clinical Laboratory Technologists and Technicians	Associate's degree	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Psychology
Clinical Nurse Specialists	Bachelor's degree	Nursing
Clinical, Counseling, and School Psychologists	Doctoral or professional degree	Counseling Psychology
Commercial and Industrial Designers	Bachelor's degree	This specific bachelor's degree is not offered at UA
Community and Social Service Specialists, All Other	Bachelor's degree	Child and Family Development; Communication Studies; History; Organizational Supervision; Philosophy, Political Science, and Economics (PPE); Philosophy, Sociology, and Psychology (PSP); Political Science; Psychology; Public Relations; Social Work; Sociology
Compliance Officers	Bachelor's degree	Accounting; Applied Mathematics; Business Law/JD Accelerated; Criminal Intelligence Analysis; Criminology and Criminal Justice; Economics/JD Accelerated; Emergency Management and Homeland Security; Global Studies; Information Systems; Leadership and Human Resources Political Science; Statistics
Computer and Information Research Scientists	Master's degree	Business Management; Information Systems Management
Computer and Information Systems Managers	Bachelor's degree	Computer Information Systems; Computer Science; Information Systems
Computer Hardware Engineers	Bachelor's degree	Computer Engineering



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Computer Network Architects	Bachelor's degree	Computer Engineering; Computer Information Systems; Computer Science; Information Systems
Computer Network Support Specialists	Associate's degree	Computer Information Systems
Computer Occupations, All Other	Bachelor's degree	Computer Information Systems; Computer Science; Cyber Forensics; Information Systems
Computer Programmers	Bachelor's degree	Computer Engineering; Computer Science; Information Systems
Computer Systems Analysts	Bachelor's degree	Computer Engineering; Computer Information Systems; Computer Science; Information Systems
Computer Systems Engineers	Bachelor's degree	Computer Engineering; Computer Information Systems; Computer Science; Information Systems
Construction Managers	Bachelor's degree	Construction Engineering Technology; Civil Engineering
Cost Estimators	Bachelor's degree	Accounting; Applied Mathematics; Business Administration; Business Data Analytics; Construction Engineering Technology; Financial Management; Organizational Supervision; Statistics; Statistics, Data Science; Supply Chain/ Operations Management
Critical Care Nurses	Bachelor's degree	Nursing
Data Scientists and Mathematical Science Occupations, All Other	Bachelor's degree ²	Business Data Analytics; Actuarial Science; Applied Mathematics; Information Systems; Sociology; Statistics; Statistics, Data Science
Database Administrators and Architects	Bachelor's degree	Computer Information Systems; Information Systems; Statistics, Data Science
Dental Hygienists	Associate's degree	This specific associate's degree is not offered at UA



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Education Administrators, Elementary and Secondary School	Master's degree	Curriculum and Instruction; Educational Administration and Leadership
Education Administrators, Preschool and Childcare Center/Program	Bachelor's degree ¹	Art Education; Child and Family Development; Communication Studies; Education; Psychology; Sociology
Educational, Guidance, School, and Vocational Counselors	Master's degree	School Counseling
Electrical and Electronics Drafters	Associate's degree	Electrical and Electronic Engineering Technology
Electrical and Electronics Engineering Technicians	Associate's degree	Electrical and Electronic Engineering Technology
Electrical Engineers	Associate's degree	Electrical and Electronic Engineering Technology
Electronics Engineers (Except Computer)	Bachelor's degree	Electrical and Electronic Engineering Technology; Electrical Engineering
Elementary School Teachers (Except Special Education)	Bachelor's degree ¹	Art Education; Education
Engineers, All Other	Bachelor's degree	Aerospace Systems Engineering; Automated Manufacturing Engineering Technology; Biomedical Engineering; Chemical Engineering; Civil Engineering; Computer Engineering; Construction Engineering Technology; Corrosion Engineering; Electrical Engineering; Electrical and Electronic Engineering Technology; Mechanical Engineering; Mechanical Engineering Technology; Polymer Science and Polymer Engineering
Environmental Compliance Inspectors	Bachelor's degree	Biology; Earth Science; Environmental Science; Geology
Environmental Engineers	Bachelor's degree	Chemical Engineering; Earth Science; Environmental Science; Geology



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Environmental Science and Protection Technicians, Including Health	Associate's degree	<i>Bachelor's degree</i> in Healthcare Administration; Earth Science; Environmental Science; Geology
Environmental Scientists and Specialists, including Health	Bachelor's degree	Biology; Earth Science; Environmental Science; Geology; Healthcare Administration
Family Medicine Physicians	Doctoral or professional degree	<i>Bachelor's degree</i> in Biology; Biochemistry; Biomedical Science; Chemistry; Exercise Science
Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	Bachelor's degree	Accounting; Applied Mathematics; Business Data Analytics; Economics; Financial Management; Financial Planning; Statistics; Statistics, Data Science
Financial Managers	Bachelor's degree	Accounting; Applied Mathematics; Business Data Analytics; Economics; Financial Management; Financial Planning; Statistics; Statistics, Data Science
Food Scientists and Technologists	Bachelor's degree	Biology; Biochemistry; Biomedical Science; Chemistry; Food and Nutrition Sciences
Forensic Science Technicians	Bachelor's degree	Biochemistry; Biology; Biomedical Science; Chemistry; Computer Information Systems; Criminal Intelligence Analysis; Criminology and Criminal Justice; Cyber Forensics
General and Operations Managers	Bachelor's degree	Business Administration; Business Management; English; History; Leadership and Human Resources; Organizational Supervision; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Political Science; Psychology; Public Relations; Sociology; Sport Business



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General Internal Medicine Physicians	Doctoral or professional degree ³	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Exercise Science
Health and Safety Engineers (Except Mining Safety Engineers and Inspectors)	Bachelor's degree	Emergency Management and Homeland Security
Healthcare Social Workers	Master's degree	Master of Social Work
Human Resources Specialists	Bachelor's degree	Business Administration; Business Management; Communication Studies; Leadership and Human Resources; Organizational Supervision; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Psychology; Sociology
Industrial Engineering Technicians	Associate's degree	Electrical and Electronic Engineering Technology
Industrial Engineers	Bachelor's degree	Automated Manufacturing Engineering Technology; Mechanical Engineering; Mechanical Engineering Technology
Industrial Production Managers	Bachelor's degree	Automated Manufacturing Engineering Technology; Mechanical Engineering; Mechanical Engineering Technology; Organizational Supervision
Information Security Analysts	Bachelor's degree	Computer Information Systems; Cyber Forensics; Information Systems
Information Security Engineers	Bachelor's degree	Computer Engineering; Computer Information Systems; Computer Science; Cyber Forensics; Information Systems
Interpreters and Translators	Bachelor's degree	Spanish
Kindergarten Teachers (Except Special)	Bachelor's degree ¹	Art Education; Education



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Loan Officers	Bachelor's degree	Applied Mathematics; Business Administration; Business Management; Communication Studies; English; Financial Planning; Financial Management; History; Marketing; Organizational Supervision; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Political Science; Psychology; Sociology; Statistics; Sales Management
Logisticians	Bachelor's degree	Organizational Supervision; Supply Chain/Operations Management
Management Analysts	Bachelor's degree	Applied Mathematics; Business Administration; Business Data Analytics; Communication Studies; Financial Management; Organizational Supervision; Sales Management; Sport Business; Sport Analytics; Statistics; Statistics, Data Science; Supply Chain/Operations Management
Market Research Analysts and Marketing Specialists	Bachelor's degree	Applied Mathematics; Business Administration; Business Data Analytics; Communication Studies; Economics; History; Marketing; Organizational Supervision; Philosophy, Political Science, and Economics (PPE); Sales Management; Sociology; Sport Analytics; Sport Business; Statistics; Statistics, Data Science
Marriage and Family Therapists	Master's degree	Marriage and Family Therapy
Materials Engineers	Bachelor's degree	Chemical Engineering; Mechanical Engineering; Mechanical Engineering Technology
Materials Scientists	Bachelor's degree	Chemical Engineering; Chemistry; Earth Science; Environmental Science; Geology



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Mechanical Drafters	Associate's degree	Mechanical Engineering Technology
Mechanical Engineering Technicians	Associate's degree	Mechanical Engineering Technology
Mechanical Engineers	Bachelor's degree	Biomedical Engineering; Mechanical Engineering; Mechanical Engineering Technology
Mechatronic Engineers	Bachelor's degree	Automated Manufacturing Engineering Technology; Biomedical Engineering; Computer Engineering; Construction Engineering Technology; Electrical Engineering; Electrical and Electronic Engineering Technology; Mechanical Engineering; Mechanical Engineering Technology
Medical and Health Services Managers	Bachelor's degree	Healthcare Administration; Nursing; Social Work
Medical Scientists, Except Epidemiologists	Doctoral or professional degree	Chemistry; Integrated Bioscience
Mental Health and Substance Abuse Social Workers	Master's degree	Master of Social Work; Master of Arts in Child and Family Development
Microbiologists	Bachelor's degree	Biochemistry; Biology; Biomedical Science
Middle School Teachers, (Except Special and Career/ Technical Education)	Bachelor's degree ¹	Education
Network and Computer Systems Administrators	Bachelor's degree	Computer Information Systems; Computer Science; Information Systems
Nurse Anesthetists	Master's degree	Post-BSN-DNP Nurse Anesthesia
Nurse Practitioners	Master's degree	Master of Science in Nursing
Occupational Health and Safety Specialists	Bachelor's degree	Emergency Management and Homeland Security; Earth Science; Environmental Science; Geology
Occupational Therapists	Master's degree ³	<i>Bachelor's degree</i> in Biology; Biomedical Science; Exercise Science



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Occupational Therapy Assistants	Associate's degree	<i>Bachelor's degree</i> in Biology; Biomedical Science; Exercise Science
Operations Research Analysts	Bachelor's degree	Applied Mathematics; Business Data Analytics; Information Systems; Mathematics; Statistics; Statistics, Data Science; Supply Chain/Operations Management
Paralegals and Legal Assistants	Associate's degree	<i>Bachelor degree</i> in these 3+3 programs: Business Law/JD Accelerated; Economics/JD Accelerated; Political Science/JD Accelerated
Pediatricians, General	Doctoral or professional degree ³	<i>Bachelor's degree</i> in Biochemistry, Biology, Biomedical Science, Chemistry, Exercise Science
Personal Financial Advisors	Bachelor's degree ¹	Business Administration; Business Management; Financial Management, Financial Planning
Personal Service Managers; Entertainment & Recreation Managers, Except Gambling; and Managers, All Other	Bachelor's degree	Business Administration; Business Management; Communication Studies; English; Financial Management; Global Studies; Healthcare Administration; History; Marketing; Organizational Supervision; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology, and Psychology (PSP); Political Science; Psychology; Public Relations; Sales Management; Sociology; Sport Business; Sport Analytics; Supply Chain/Operations Management
Physical Therapist Assistants	Associate's degree	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Exercise Science
Physical Therapists	Doctoral or professional degree ³	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Exercise Science



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Physician Assistants	Master's degree ³	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Exercise Science
Physicians, All Other; and Ophthalmologists, Except Pediatric	Doctoral or professional degree ³	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Exercise Science
Physicians, Pathologists	Doctoral or professional degree ³	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Exercise Science
Preschool Teachers, (Except Special Education)	Associate's degree	<i>Bachelor's degree</i> in Art Education; Child and Family Development; Education
Probation Officers and Correctional Treatment Specialists	Bachelor's degree	Criminology and Criminal Justice; Emergency Management and Homeland Security; Social Work; Sociology
Project Management Specialists and Business Operations Specialists, All Other	Bachelor's degree	Business Administration; Business Management; Communication Studies; English; Financial Management; Financial Planning; Global Studies; Healthcare Administration; History; Leadership and Human Resources; Marketing; Organizational Supervision; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology, and Psychology (PSP); Political Science; Psychology; Public Relations; Sociology; Sport Business; Supply Chain/Operations Management
Psychiatrists	Doctoral or professional degree ³	<i>Bachelor's degree</i> in Biochemistry; Biology; Biomedical Science; Chemistry; Exercise Science
Psychologists, All Other	Master's degree	Adult Development and Aging; Counseling Psychology; Industrial/Organizational Psychology



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Public Relations Specialists	Bachelor's degree	Business Administration; Marketing; Public Relations; Sales Management
Radio, Cellular, and Tower Equipment Installers and Repairers	Associate's degree	Electrical and Electronic Engineering Technology; Mechanical Engineering Technology
Radiologic Technologists	Associate's degree	Associate's degree in Health Services and Radiology Technology Certificate
Registered Nurses	Bachelor's degree	Nursing
Rehabilitation Counselors	Master's degree	Counseling Psychology
Respiratory Therapists	Associate's degree	<i>Bachelor's degree</i> in Respiratory Therapy
Robotics Engineer	Bachelor's degree	Aerospace Systems Engineering; Automated Manufacturing Engineering Technology; Biomedical Engineering; Computer Engineering; Electrical Engineering; Electrical and Electronic Engineering Technology; Mechanical Engineering; Mechanical Engineering Technology
Sales Managers	Bachelor's degree	Business Administration; Business Management; Communication Studies; English; Global Studies; History; Marketing; Organizational Supervision; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Political Science; Psychology; Public Relations; Sales Management; Sociology; Sport Business; Supply Chain/Operations Management



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Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Bachelor's degree	Business Administration; Business Management; Communication Studies; English; Global Studies; History; Marketing; Organizational Supervision; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Political Science; Psychology; Public Relations; Sales Management; Sociology; Sport Business; Supply Chain/Operations Management; other Science majors are applicable as well
Secondary School Teachers, (Except Special and Career/ Technical Education)	Master's degree ³	<i>Bachelor's degree</i> in Art Education; Education
Securities, Commodities, and Financial Services Sales Agents	Bachelor's degree	Applied Mathematics; Business Administration; Business Management; Financial Management; Financial Planning; Statistics; Statistics, Data Science
Social and Community Service Managers	Bachelor's degree	Business Administration; Business Management; Child and Family Development; Communication Studies; English; Global Studies; History; Leadership and Human Resources; Marketing; Organizational Supervision; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Political Science; Psychology; Social Work; Sociology
Social Science Research Assistants	Bachelor's degree ²	Communication Studies; Criminology and Criminal Justice; History; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Political Science; Psychology; Sociology



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Social Scientists and Related Workers, All Other	Bachelor's degree²	Communication; Criminology and Criminal Justice; History; Philosophy; Philosophy, Political Science and Economics (PPE); Philosophy, Sociology and Psychology (PSP); Political Science; Psychology; Sociology
Software Developers and Software Quality Assurance Analysts and Testers	Bachelor's degree	Computer Engineering; Computer Information Systems; Computer Science
Special Education Teachers, All Other	Bachelor's degree¹	Education; Intervention Specialist
Special Education Teachers, Kindergarten and Elementary School	Bachelor's degree¹	Education; Intervention Specialist
Special Education Teachers, Preschool	Bachelor's degree¹	Child and Family Development; Education; Intervention Specialist
Special Education Teachers, Secondary School	Bachelor's degree¹	Education; Intervention Specialist
Speech-Language Pathologists	Master's degree	Master of Arts in Speech-Language Pathology
Statisticians	Master's degree	Master of Science in Management Business Analytics; Statistics; Statistics, Data Science
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	Bachelor's degree¹	Child and Family Development; Psychology; Social Work; Sociology; and other bachelor's degrees can prepare students for this career path
Teachers and Instructors, All Other, (Except Substitute Teachers)	Bachelor's degree¹	Education
Telecommunications Engineering Specialists	Bachelor's degree	Computer Engineering; Electrical Engineering; Electrical and Electronic Engineering Technology; Mechanical Engineering; Mechanical Engineering Technology



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Therapists, All Other	Bachelor's degree ¹	Child and Family Development; Social Work; Psychology; Sociology; Speech Pathology and Audiology; and other bachelor's degrees can prepare students for this career path
Training and Development Specialists	Bachelor's degree	Business Administration; Business Management; Communication Studies; Education; Intervention Specialist; Leadership and Human Resources; Organizational Supervision; Psychology; Sociology
Urban and Regional Planners	Master's degree	This specific master's degree is not offered at UA
Veterinary Technologists and Technicians	Associate's degree	This specific master's degree is not offered at UA
Vocational Education Teachers, Postsecondary	Bachelor's degree ¹	Art Education; Education
Web Developers and Digital Interface Designer	Bachelor's degree	Graphic Design; Information Systems; Marketing



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