

## SOUTH CAROLINA WORKFORCE INDUSTRY NEEDS SCHOLARSHIP (SCWINS) CIP CODES

Identified critical workforce areas include: *healthcare, computer and information technology, advanced manufacturing, construction, hospitality and tourism, and transportation*

HEALTHCARE	51 (HEALTH PROFESSIONS AND RELATED PROGRAMS)	
<b>Associate Degrees</b>	51.0601	Dental Assisting/Assistant
Cardiovascular Technology	51.0602	Dental Hygiene/Hygienist
Dental Hygiene	51.0707	Health Information/Medical Records Technology/Technician
Diagnostic Medical Sonography	51.0708	Medical Transcription/Transcriptionist
Emergency Medical Technology	51.0710	Medical Office Assistant/Specialist
Health Information Management	51.0716	Medical Administrative/Executive Assistant and Medical Secretary
Medical Laboratory Technology	51.0801	Medical/Clinical Assistant
Nursing (ADN)	51.0802	Clinical/Medical Laboratory Assistant
Occupational Therapy Assistant	51.0803	Occupational Therapist Assistant
Physical Therapist Assistant	51.0805	Pharmacy Technician/Assistant
Radiation Protection Technology	51.0806	Physical Therapy Technician/Assistant
Radiologic Technology	51.0808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant
Respiratory Care	51.0901	Cardiovascular Technology/Technologist
Veterinary Technology	51.0902	Electrocardiograph Technology/Technician
<b>Diplomas</b>	51.0904	Emergency Medical Technology/Technician (EMT/Paramedic)
Expanded Duty Dental Assisting	51.0905	Nuclear Medical Technology/Technologist
Medical Assisting	51.0907	Medical Radiologic Technology/Science/Radiation Therapist
Medical Office Assisting	51.0908	Respiratory Care Therapy/Therapist
Nursing (PN)	51.0909	Surgical/Operating Room Technician
Pharmacy Technician	51.0910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician
Respiratory Care Technician	51.0916	Radiation Protection/Health Physics Technician
Surgical Technology	51.0919	Mammography Technician/Technology
<b>Certificates</b>	51.0920	Magnetic Resonance Imaging (MRI)
Cancer Data Management	51.1004	Clinical/Medical Laboratory Technician
Cardiac Care Technician	51.1009	Phlebotomy Technician/Phlebotomist
Computed Tomography	51.1012	Sterile Processing Technology/Technician
Dental Office	51.1105	Pre-Nursing Studies
EMT/Paramedic	51.1107	Pre-Occupational Therapy Studies
Health Science		
Health Unit Coordinating		
Mammography		
Massage Therapy		
Medical Assisting		
Medical Clerical		
Medical Coding and Billing		
Medical Office Administrative Assistant		
Medical Office Specialist		

Medical Transcriptionist Nursing Assistant Patient Care Technician Personal Care Aide Personal Trainer Pharmacy Technician Phlebotomy Pre-Nursing/Pre-Health Sciences Sterile Processing	51.1109 51.1199 51.1801 51.1803 51.2602 51.3501 51.3801 51.3901 51.3902 51.9999	Pre-Physical Therapy Studies Health/Medical Preparatory Programs, Other Opticianry/Ophthalmic Dispensing Optician Ophthalmic Technician/Technologist Home Health Aide/Home Attendant Massage Therapy/Therapeutic Massage Registered Nursing/Registered Nurse Licensed Practical/Vocational Nurse Training Nursing Assistant/Aide and Patient Care Assistant/Aide Health Professions and Related Clinical Sciences, Other
<b>COMPUTER TECHNOLOGY AND INFORMATION TECHNOLOGY</b>	<b>11 (COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES)</b>	
<b>Associate Degrees</b> Computer Technology Network Systems Management Cybersecurity <b>Certificates</b> Advanced Network Security Certified IT Professional CISCO Routing/Network Configuration CompTIA Cybersecurity Database Administrator Database Development Data Processing Hardware Technician Help Desk Information Systems Network Linux Administration Microcomputer Applications Microsoft Network Solutions Expert Mobile Application Programming Network Administration Network Operations Networking PC Technical Support Virtualization and Cloud Computing Web Development	11.0101 11.0201 11.0301 11.0801 11.0901 11.1003 11.1006 11.9999	Computer and Information Sciences, General Computer Programming/Programmer, General Data Processing and Data Processing Technology/Technician Web Page, Digital/Multimedia and Information Resources Design Computer Systems Networking and Telecommunications Computer and Information Systems Computer Support Specialist Computer and Information Sciences and Support Services, Other

Web Page Design		
<b>ADVANCED MANUFACTURING</b>	<b>15 (ENGINEERING TECHNOLOGIES AND ENGINEERING-RELATED FIELDS)</b>	
<b>Associate Degrees</b>	15.0000	Engineering Technology, General
Architectural Engineering Technology	15.0101	Architectural Engineering Technology/Technician
Automated Manufacturing Technology	15.0201	Civil Engineering Technology/Technician
Civil Engineering Technology	15.0303	Electrical, Electronic and Communications Engineering Technology/Technician
Computer Engineering Technology	15.0399	Electrical and Electronic Engineering Technologies/Technicians, Other
Construction Engineering Technology	15.0403	Electromechanical Technology/Electromechanical Engineering Technology
Construction Management Technology	15.0406	Automation Engineer Technology/Technician
Electronics Engineering Technology	15.0499	Electromechanical and Instrumentation and Maintenance Technologies/Technicians, Other
Electro-Mechanical Engineering Technology	15.0505	Solar Energy Technology/Technician
Engineering Design Technology	15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician
Engineering Graphics Technology	15.0599	Environmental Control Technologies/Technicians, Other
Environmental Engineering Technology	15.0613	Manufacturing Engineering Technology/Technician
General Engineering Technology	15.0615	Chemical Engineering Technology/Technician
Manufacturing Management and Leadership	15.0699	Industrial Production Technologies/Technicians, Other
Mechatronics Technology	15.0805	Mechanical Engineering/Mechanical Technology/Technician
Nuclear Quality Systems	15.1001	Construction Engineering Technology/Technician
<b>Diplomas</b>	15.1102	Surveying Technology/Surveying
Engineering Graphics	15.1201	Computer Engineering Technology/Technician
<b>Certificates</b>	15.1301	Drafting and Design Technology/Technician, General
3-D Modeling CAD Design	15.1303	Architectural Drafting and Architectural CAD/CADD
Additive Manufacturing		
Advanced Mechatronics		
Architectural Design Technology		
Automated Manufacturing		
Basic Electronics		
Basic Mechatronics		
Computer Aided Design (CAD)		
Computer Aided Drafting		
Construction Drafting		
Drafting		
Electrician: Automated Controls		
Electronics Industrial Applications		
Engineering Graphics		
Foundations, Framing and Renovations		
Gas and Energy Technology		
Highway Engineering		

Introduction to Automation Manufacturing Operations Manufacturing Production Mechanical Drafting Mechatronics Mechatronics Fundamentals Motors and Controls Power Plant Technology Process Control Technology Production Associate Technology Production Technology Production Technology Associate Rapid Prototyping Lab Technician Robotics Assembly Technician Solar Technician Surveying Wastewater Operator	15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD
<b>ADVANCED MANUFACTURING</b>	<b>47 (MECHANIC AND REPAIR TECHNOLOGIES/ TECHNICIANS)          AND 48 (PRECISION PRODUCTION)</b>	
<b>Associate Degrees</b> Aircraft Maintenance Technology Auto Body Repair Automotive Technology Computer Electronics Technology Computer Numerical Control (CNC) Programming and Operations Diesel Technology Electronics Technology Heating, Ventilation, Air Conditioning Technology Industrial Electronics Technology  <b>Diplomas</b> Air Conditioning/Refrigeration Technology Industrial Electricity/Electronics Industrial Maintenance Technology Machine Tool Welding  <b>Certificates</b> Advanced CNC Automated CNC	47.0101  47.0105  47.0201  47.0303  47.0402 47.0603  47.0604  47.0605 47.0607  47.0608  47.9999  48.0501 48.0507	Electrical/Electronics Equipment Installation and Repair, General  Industrial Electronics Technology/Technician  Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician  Industrial Mechanics and Maintenance Technology  Gunsmithing/Gunsmith  Autobody/Collision and Repair Technology/Technician  Automobile/Automotive Mechanics Technology/Technician  Diesel Mechanics Technology/Technician  Airframe Mechanics and Aircraft Maintenance Technology/Technician  Aircraft Powerplant Technology/Technician  Mechanic and Repair Technologies/Technicians, Other  Machine Tool Technology/Machinist Tool and Die Technology/Technician

Automated Manufacturing	48.0508	Welding Technology/Welder
Aviation Fundamentals	48.0510	Computer Numerically Controlled (CNC)
Basic Automotive		Machinist Technology/CNC Machinist
Basic Electronics	48.9999	Precision Production, Other.
Basic Welding		
Computer Aided Design		
Computerized Numerical Control (CNC)		
Diesel Engine Performance		
Engine Performance		
Fabrication Welding		
Gas Arc Welding		
HVAC		
Industrial Maintenance		
Industrial Mechanic		
Industrial Plant Mechanics		
Industrial Repair Technology		
Intermediate Welding		
Introduction to Automation		
Introduction to CNC		
MIG Welding		
Machine Operator		
Machine Tool		
Machining		
Manual and CNC Fundamentals		
Motors and Controls		
Pipe Welding		
Stick Welding		
Technical Operators		
Transmission Repair Specialist		
TIG Welding		
Welding		
Welding Gas Metal Arc and Flux Cored Arc		
Welding Gas Tungsten Arc		
Welding Practices		
Welding Shielding Metal Arc		
<b>HOSPITALITY/TOURISM MANAGEMENT</b>	<b>52.09, 12.05</b>	
<b>Associate Degrees</b>	52.0901	Hospitality Administration/Management, General
Baking and Pastry Arts		
Culinary Arts Technology	52.0904	Hotel/Motel Administration/Management
Hospitality/Tourism Management	12.0500	Cooking and Related Culinary Arts, General
<b>Certificates</b>	12.0501	Baking and Pastry Arts/Baker/Pastry Chef

Advanced Cake and Chocolate Artisanal Foods Baking and Pastry Arts Culinary Arts Culinary Manager Event Management Food and Beverage Operations Fundamentals of Hospitality Management Hotel Operations Kitchen and Food Preparation Techniques Restaurant Cooks Sports and Health Nutrition	12.0503 12.0505 12.0508 12.0599	Culinary Arts/Chef Training Food Preparation/Professional Cooking/Kitchen Assistant Institutional Food Workers Culinary Arts and Related Services, Other
<b>CONSTRUCTION</b>	<b>46 (CONSTRUCTION TRADES)</b>	
<b>Associate Degrees</b> Building Construction Technology <b>Diplomas</b> Building Construction Technology <b>Certificates</b> Residential Wiring Construction Management Construction Codes and Licensing Basic Electrical Wiring Building Construction Fundamentals Construction Trades Carpentry Building Systems Masonry Plumbing Residential/Commercial Plumbing Residential/Commercial Carpentry Electrical Line Worker Industrial Electricity Utility Line Worker Green Residential Construction Management Home Performance Technician	46.0101 46.0201 46.0302 46.0303 46.0403 46.0415 46.0503	Mason/Masonry Carpentry/Carpenter Electrician Lineworker Building/Home/Construction Inspection/Inspector Building Construction Technology Plumbing Technology/Plumber
<b>TRANSPORTATION, DISTRIBUTION AND LOGISTICS</b>	<b>49, 52.0203, 52.0409</b>	

<b>Certificates</b> Aircraft Electrical and Electronics Technology Avionics Maintenance Technology Avionics Technician Commercial Truck Driving Enterprise Resource Planning Fundamentals of Transportation/Logistics Fundamentals of Warehousing Logistics Logistics Transportation and Logistics Truck Driver Training	49.0101 Aeronautics/Aviation/Aerospace Science and Technology, General 49.0205 Truck and Bus Driver/Commercial Vehicle Operator and Instructor 49.9999 Transportation and Materials Moving, Other 52.0203 Logistics, Materials, and Supply Chain Management 52.0409 Parts, Warehousing, and Inventory Management Operations
--	---