

The Manual for Restricted Career and Technical Education (CTE) License Route and CTE Endorsement Areas

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Applies to applications for licensure beginning July 1, 2017.

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Introduction to Manual

The purpose of this manual is to assist Local Education Agency (LEA) and Department of Public Instruction (DPI) staff to determine requirements for (i) initial licensing of teaching candidates, (ii) current faculty to add additional areas of licensure and (iii) endorsements and specific credential requirements for teachers.

Requirements for teachers entering the profession through the lateral entry process should follow the guidance in State Board of Education policy LICN-001. Restricted License processes require that teaching candidates have related work experience for the CTE program area as well as the related degree. The work experience requirement is a major difference between a Restricted License Process and the Lateral Entry License process.

LEA staff should review the SAR Crosswalk to determine the Licensure Area required for specific courses. Be aware that in addition to the licenses, some courses require an endorsement and/or specific training. The Endorsement section of the manual lists the courses and certifications required for some CTE courses.

Related Degrees and Related Work Experience lists are provided as examples. These are not all inclusive lists of the degrees and work experience that may be considered, rather they show the types of degrees and experiences that may be considered relevant.

Unless otherwise noted, all coursework must be completed by the end of the teacher's provisional license period (3 years) and required credentials must be earned by the end of the first year of teaching.

CTE staff encourages teachers to participate in the NC DPI sponsored New Teacher Induction program in the first year of teaching. The induction program is designed to meet the specific needs of new teachers and is most valuable early in the teaching career. Teachers must complete the New Teacher Induction within the first three years of teaching.

Contact information for CTE staff can be found at:

<http://www.ncpublicschools.org/cte/directory/specialty>. Please contact staff for information related to required workshops or credentials.

Please note that the field of Career and Technical Education changes often. Refer to the manual each year for updates that will be effective in July to ensure you have the most recent information.

CTE Teaching Licenses

Agricultural Education

Program Area: Agricultural Education **License Number:** 700

Required Degree Level: Bachelors **Examples of Related Degrees:** Agricultural Business Management, Agricultural Development, Agricultural Engineering, Agricultural Studies, Agronomy (Crops/Soils), Animal Science, Equine Science, Veterinary Science, Forestry, General Agriculture, Horticulture, Natural Resource Management, Poultry Science, Range Management

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** animal health specialists, veterinarian, conservation scientists, environmental science and protection technicians, extension agent, farm and ranch manager, foresters, horticulturist, integrated agriculture production specialist, landscaping and grounds keeping workers, nursery technician, wildlife enforcement officer, zoologists and wildlife biologists

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Hours from: Career and Technical Student Organization Management; Supervised Agricultural Experience

Required Credentials: N/A

Required Induction: Agriculture Education New Teacher Induction (contact Agricultural Education Staff at North Carolina State University for details)

Resources: N/A

Business, Finance and Information Technology Education

Program Area: Business, Finance and Information Technology Education **License Number:** 760

Required Degree Level: Bachelors **Examples of Related Degrees:** Accounting, Administrative Systems, Business Administration, Computer Science, Entrepreneurship, Finance, Information Technologies, Management, MIS (Management Information Systems), Marketing

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** accountant /CPA, business analyst, business manager, operations analyst, marketing manager, systems analyst, database administrator, management analyst, computer programmer/analyst, chief information officer, chief financial officer, loan officer, e-commerce manager, stock broker, investment advisor, financial analyst

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 semester hours from : Computer application courses; Business Computer Programming; Database Programming; Personal Finance; Business Management; Business Law; Finance

Required Credentials: NCSBE approved specialty area exam

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Family and Consumer Sciences Education

Program Area: Family and Consumer Sciences Education **License Number:** 710-General

Required Degree Level: Bachelors **Examples of Related Degrees:** Family and Consumer Sciences; Youth, Family and Community Sciences; Family and Community Services

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** interior designer, cafeteria manager, food service manager, extension specialist, adult education, preschool/day care director, social worker, family counselor, financial planner, community service manager, community health educator, fashion/textile designer

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Student Organization Management, Educational/Instructional Technology, Consumer Education or Family Resource Management, Human Development Lifespan, Management of Work-based Learning, Fashion/Textile Design, Food and Nutrition, Interior Design, Foodservice/Hospitality Management, Food Science/Technology

Required Credentials: NCSBE approved specialty area exam; For foods courses, culinary courses, and courses with foods units- ANSI Accredited Food Protection Certification is required prior to teaching

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Examples of Accredited Certification include ServSafe Food Protection Manager Certification Program (National Restaurant Association) and Food Protection Manager Certification Program (National Registry of Food Safety Professionals)

Program Area: Family and Consumer Sciences Education **License Number:** 712-Apparel

Required Degree Level: Bachelors **Examples of Related Degrees:** Fashion/Apparel Design, Textile Design, Fashion Merchandising

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** tailor, seamstress, fashion designer, fashion buyer, fashion retail manager, fashion production, costume designer, extension agent specializing in apparel, textile designer

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

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Elective Courses: 3 Semester Hours from: Career and Technical Student Organization Management, Educational/Instructional Technology, Consumer Education or Family Resource Management, Human Development Lifespan, Management of Work-based Learning, Family Life Education, Family and Consumer Sciences/Services Survey

Required Credentials: N/A

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Family and Consumer Sciences Education **License Number:** 714-Child Development/Family Studies

Required Degree Level: Bachelors **Examples of Related Degrees:** Child Development and Family Relations, Family Studies, Child Psychology

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** social services case worker, family therapy counselor, preschool teacher, preschool/day care director, kindergarten teacher, extension agent specializing in child development and family studies

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Student Organization Management, Educational/Instructional Technology, Consumer Education or Family Resource Management, Human Development Lifespan, Management of Work-based Learning, Family Life Education, Family and Consumer Sciences/Service Survey

Required Credentials: N/A

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Family and Consumer Sciences Education **License Number:** 716-Foods and Nutrition/Culinary Arts

Required Degree Level: Bachelors **Examples of Related Degrees:** Food Science, Culinary Arts, Dietetics, Food Service Management, Nutrition

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** chef, restaurant manager, food service manager, dietitian, nutritionist, extension agent specializing in foods and nutrition, catering manager

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Student Organization Management, Educational/Instructional Technology, Consumer Education or Family Resource Management, Human Development Lifespan, Management of Work-based Learning, Family Life Education, Family and Consumer Sciences/Services Survey

Required Credentials: Accredited Food Protection Manager Certification is required prior to teaching

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Examples of Accredited Certification include ServSafe Food Protection Manager Certification Program (National Restaurant Association) and Food Protection Manager Certification Program (National Registry of Food Safety Professionals)

Program Area: Family and Consumer Sciences Education **License Number:** 716-Foods and Nutrition/Culinary Arts

Required Degree Level: Associate **Examples of Related Degrees:** Baking and Pastry Arts, Culinary Arts, Food Service Management Technology, Dietetic Technician

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** chef, restaurant manager, food service manager, dietitian, nutritionist, extension agent specializing in foods and nutrition, catering manager

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Student Organization Management, Educational/Instructional Technology, Consumer Education or Family Resource Management, Human Development Lifespan, Management of Work-based Learning, Family Life Education, Family and Consumer Sciences/Services Survey

Required Credentials: Accredited Food Protection Manager Certification is required prior to teaching

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Examples of Accredited Certification include ServSafe Food Protection Manager Certification Program (National Restaurant Association) and Food Protection Manager Certification Program (National Registry of Food Safety Professionals)

Program Area: Family and Consumer Sciences Education **License Number:** 718-Interior Design

Required Degree Level: Bachelors **Examples of Related Degrees:** Interior Design, Interior Architecture, Textile Design, Architectural Design, Furniture Design

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** interior design, textile design, architectural design, furniture design, interior design, sales and marketing, extension agent specializing in interior design

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Student Organization Management; Educational/Instructional Technology; Consumer Education or Family Resource Management; Human Development Lifespan; Management of Work-based Learning; Family Life Education; Family and Consumer Sciences/Services Survey

Required Credentials: N/A

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Health Science Education

Program Area: Health Science Education **License Number:** 720

Required Degree Level: Bachelors **Examples of Related Degrees:** Nursing

Required Years of Work Experience: 3 years within the past 10 years **Examples of Related Work Experience:** nursing, post-secondary nursing instruction if clinical instruction is included in responsibilities

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Education Student Organizational Management; Educational/Instructional Technology; Health Careers/Health Industry Survey; Biotechnology

Required Credentials: Unrestricted license as a Registered Nurse prior to teaching; For Pharmacy Technician-PTCB Pharmacy Technician Certification

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Health Science Education **License Number:** 720

Required Degree Level: Associates **Examples of Related Degrees:** Nursing

Required Years of Work Experience: 3 years within the past 10 years **Examples of Related Work Experience:** nursing, post-secondary nursing instruction if clinical instruction is included in responsibilities

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Education Student Organizational Management; Educational/Instructional Technology; Health Careers/Health Industry Survey; Biotechnology

Required Credentials: Unrestricted license as a Registered Nurse prior to teaching; For Pharmacy Technician-PTCB Pharmacy Technician Certification

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Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Health Science Education **License Number:** 720

Required Degree Level: Diploma **Examples of Related Degrees:** Nursing (3-year program)

Required Years of Work Experience: 3 years within the past 10 years **Examples of Related Work Experience:** nursing, post-secondary nursing instruction if clinical instruction is included in responsibilities

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Education Student Organizational Management; Educational/Instructional Technology; Health Careers/Health Industry Survey; Biotechnology

Required Credentials: Unrestricted license as a Registered Nurse prior to teaching; For Pharmacy Technician-PTCB Pharmacy Technician Certification

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Health Science Education **License Number:** 721-May not teach courses that require RN credential

Required Degree Level: Bachelors **Examples of Related Degrees:** Physical Therapist, Clinical Laboratory, Dietetics/Nutrition, Nuclear Medicine, Physician Assistant, Physician, Athletic Training, Health Education, Respiratory Care

Required Years of Work Experience: 3 years within the past 10 years **Examples of Related Work Experience:** health educator at health departments, schools, etc.; athletic trainer; physical therapist, medical doctor

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

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Elective Courses: 3 Semester Hours from: Career and Technical Education Student Organizational Management; Educational/Instructional Technology; Health Careers/Health Industry Survey; Biotechnology

Required Credentials: Healthcare license representative of degree prior to teaching. For Health Education-CHES (Certified Health Education Specialist); for Athletic Training_-Certified Athletic Trainer from NATABOC; for Physical Therapist-state level PT license; for MD-state level license; for respiratory therapist- state license

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Health Science Education **License Number:** 721-May not teach courses that require RN credential

Required Degree Level: Associates **Examples of Related Degrees:** Radiology Science, Respiratory Therapy/Cardiopulmonary Technologist, Dental Hygienist

Required Years of Work Experience: 3 years within the past 10 years **Examples of Related Work Experience:** respiratory therapist; EMT; paramedic; nuclear medicine technologist; clinical lab technologist

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Education Student Organizational Management; Educational/Instructional Technology; Health Careers/Health Industry Survey; Biotechnology

Required Credentials: Healthcare license representative of degree prior to teaching. For Respiratory Therapist-Certified Respiratory Therapist (CRT); for EMT and paramedic-state license

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Health Science Education **License Number:** 722-Biotechnology Professional

Required Degree Level: Bachelors **Examples of Related Degrees:** Biology-Related Degrees (Biochemistry, Genetics, Microbiology, Immunology, Molecular Biology, Toxicology, Structural Biology, Cellular Biology); Chemistry, Pathology, or Pharmacology if at least 6 semester hours in Microbiology, Genetics, Immunology, Biochemistry, Molecular Biology, Cell Biology.

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** animal services technician, biomedical equipment technician, laboratory assistant, quality assurance technician, clinical trials research associate, crime scene investigator, genetic counselor, microbiologist, science teacher.

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Career and Technical Education Student Organizational Management; Educational/Instructional Technology; Health Careers/Health Industry Survey

Required Credentials:

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Information Technology Education

Program Area: Information Technology Education **License Number:** 765

Required Degree Level: Bachelors **Examples of Related Degrees:** Computer Engineering, Computer Science, Electronic Engineering, Software Engineering, Information Technology, Network Engineering, Network Administration

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** computer programmer, web designer, security analyst, software developer, mobile app developer, internet production industry, network administrator, data scientist, user interface/graphic design, IT compliance, IT strategist, virtualization manager, electronic engineering technician, computer engineering technician, network engineer, network engineering technician, IT technician, IT service desk, project manager

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Cloud Computing, Hardware/Software/Desktop Support, Operating Systems, Computer Programming Languages, IT/Network Security Fundamentals, Routing and Switching, Database Administration, Networking Technologies, Software/Application Development, Virtualization

Required Credentials: For Computer Programming- 6 semester hours of instruction in a programming language prior to teaching; for SAS Programming- completion of SAS Programming training; for Network Administration I-MTA-98-349 (Operating System Fundamentals), MTA-98-366 (Networking Fundamentals), and MTA-98-367 (Security Fundamentals) within the first 3 years of teaching ; for Network Administration II- Microsoft MCSm70-680 (Windows 7 Configuration Exam); for Computer Engineering Technology-COMPTIA A+; for Network Engineering Technology-CISCO CCENT

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Information Technology Education **License Number:** 765

Required Degree Level: Associates **Examples of Related Degrees:** Computer Engineering, Computer Science, Electronic Engineering, Software Engineering, Information Technology, Network Engineering, Network Administration

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** computer programmer, web designer, security analyst, software developer, mobile app developer, internet production industry, network administrator, data scientist, user interface/graphic design, IT compliance, IT strategist, virtualization manager, electronic engineering technician, computer

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engineering technician, network engineer, network engineering technician, IT technician, IT service desk, project manager

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Cloud Computing, Hardware/Software/Desktop Support, Operating Systems, Computer Programming Languages, IT/Network Security Fundamentals, Routing and Switching, Database Administration, Networking Technologies, Software/Application Development, Virtualization

Required Credentials: For Computer Programming- 6 semester hours of instruction in a programming language prior to teaching; for SAS Programming- completion of SAS Programming training; for Network Administration I-MTA-98-349 (Operating System Fundamentals), MTA-98-366 (Networking Fundamentals), and MTA-98-367 (Security Fundamentals) within the first 3 years of teaching ; for Network Administration II- Microsoft MCSm70-680 (Windows 7 Configuration Exam); for Computer Engineering Technology-COMPTIA A+; for Network Engineering Technology-CISCO CCENT

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Marketing Education

Program Area: Marketing Education **License Number:** 730

Required Degree Level: Bachelors **Examples of Related Degrees:** Accounting, Administrative Systems, Business Administration, Entrepreneurship, Finance, Information Technologies, Management, Management Information Systems, Marketing, Communications, Economics, Supply Chain Management

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** marketing manager, sales manager, retail manager, real estate agent or buyer, hospitality tourism and recreation manager, corporate or personal financial manager, loan officer, marketing research analyst, distribution and logistics specialist, communications specialist

Semester Hours Required for License: 18

Required Courses: 15 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn

Elective Courses: 3 Semester Hours from: Business or Marketing Information Systems; Distributions and Logistics; Hospitality and Tourism; Merchandising; Personal Finance

Required Credentials: NCSBE approved specialty area exam

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Technology Engineering and Design Education

Program Area: Technology Engineering and Design Education **License Number:** 820

Required Degree Level: Bachelors **Examples of Related Degrees:** Architecture, Construction, Industrial Design, Engineering, Industrial Technology, Manufacturing, Transportation, Science, Industrial Arts, Trade and Industrial Education, Graphic Design, Graphic Production, Animation and Visualization, Computer Programming, Game Design and Development, Computer Science, Programming, Game Software Engineering, Simulation and Game Animation, Digital Effects and Animation Technology or Game Art Design and degrees that integrate STEM such as Technology or Engineering_ (“A” level License)

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** engineer, construction manager, graphics designer, industrial designer, electronics technician, computer technician, network technician, manufacturing technician, construction related technician, project developer

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Career and Technical Education Student Organizations

Elective Courses: N/A

Required Credentials: NCSBE approved specialty area exam

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Specific endorsements are required for some Technology, Engineering and Design courses (Scientific and Technical Visualization, Game Art Design, Project Lead the Way). See endorsements section of manual for more information.

Program Area: Technology Engineering and Design Education **License Number:** 822- Sci Vis and Game Art

Required Degree Level: Associates **Examples of Related Degrees:** Animation and Visualization, Computer Programming, Game Design and Development, Computer Science, Programming, Game Software Engineering, Simulation and Game Animation, Digital Effects and Animation Technology or Game Art Design

Required Years of Work Experience: 3 years within the past 10 years **Examples of Related Work Experience:** simulation and game development, gaming management, computer programming, computer technology integration

Semester Hours Required for License: 18

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Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Career and Technical Education Student Organizations

Elective Courses: N/A

Required Credentials: Prior to teaching Scientific Visualization complete NC DPI sponsored workshops for Level I and II; For Game Art Design complete NC DPI sponsored workshops for Level I and II

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Specific endorsements are required for some Technology, Engineering and Design courses (Scientific and Technical Visualization, Game Art Design, Project Lead the Way). See endorsements section of manual for more information.

Trade and Industrial Education

Program Area: Trade and Industrial Education **License Number:** 74010- Collision Repair

Required Degree Level: Bachelors **Examples of Related Degrees:** Automotive Technology - Collision Repair and Insurance Management, Collision Repair and Refinishing Technology, Auto Collision Technology, Industrial Technology - Auto Collision Repair, Auto Body Repair, Automotive or Mechanical Engineering

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** Demonstrated work in collision repair industry such as work in auto painting and refinishing, auto metalworker, non-structural repair

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training.

Elective Courses: N/A

Required Credentials: I-CAR Prolevel I, I-CAR Prolevel II, I-CAR Prolevel III by the end of year 3

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74010-Collision Repair

Required Degree Level: Associates **Examples of Related Degrees:** Automotive Technology - Collision Repair and Insurance Management, Collision Repair and Refinishing Technology, Auto Collision Technology, Industrial Technology - Auto Collision Repair, Auto Body Repair, Automotive or Mechanical Engineering

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** Demonstrated work in collision repair industry such as work in auto painting and refinishing, auto metalworker, non-structural repair

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

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Elective Courses: N/A

Required Credentials: I-CAR Prolevel I, I-CAR Prolevel II, I-CAR Prolevel III by the end of year 3

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74010-Collision Repair

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within past 10 years **Examples of Related Work Experience:** Demonstrated work in collision repair industry such as work in auto painting and refinishing, auto metalworker, non-structural repair

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; I-CAR Prolevel I, I-CAR Prolevel II, I-CAR Prolevel III by the end of year 3

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74015-Automotive Services

Required Degree Level: Bachelors **Examples of Related Degrees:** Automotive Systems Technology, Transportation Systems Technology, Automotive or Mechanical Engineering

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** Industry demonstrated experience in the Automotive repair and service field OR a minimum of three years experience as a teacher in a vocational/technical automotive related training program.

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

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Elective Courses: N/A

Required Credentials: ASE Brakes; ASE Electrical; ASE MLR; ASE Suspension and Steering by the end of the first semester of teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74015-Automotive Services

Required Degree Level: Associates **Examples of Related Degrees:** Automotive Systems Technology, Transportation Systems Technology, Automotive or Mechanical Engineering

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** Industry demonstrated experience in the Automotive repair and service field OR a minimum of three years experience as a teacher in a vocational/technical automotive related training program.

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: ASE Brakes; ASE Electrical; ASE MLR; ASE Suspension and Steering by the end of the first semester of teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74015-Automotive Services

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** Industry demonstrated experience in the Automotive repair and service field OR a minimum of three years experience as a teacher in a vocational/technical automotive related training program.

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or

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Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51. ASE Brakes; ASE Electrical; ASE MLR; ASE Suspension and Steering by the end of the first semester of teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74025- Carpentry

Required Degree Level: Bachelors **Examples of Related Degrees:** Carpentry; Construction Management; Building Construction

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the carpentry field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74025- Carpentry

Required Degree Level: Associates **Examples of Related Degrees:** Carpentry; Construction Management; Building Construction

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the carpentry field

Semester Hours Required for License: 18

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Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74025- Carpentry

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the carpentry field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74035- Electrical Trades

Required Degree Level: Bachelors **Examples of Related Degrees:** Electrician; Construction Management

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the electrical trades field

Semester Hours Required for License: 18

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Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74035- Electrical Trades

Required Degree Level: Associates **Examples of Related Degrees:** Electrician; Construction Management

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the electrical trades field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74035- Electrical Trades

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the electrical trades field

Semester Hours Required for License: 18

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Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74055-Masonry

Required Degree Level: Bachelors **Examples of Related Degrees:** Masonry; Masonry Installer

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the masonry field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74055-Masonry

Required Degree Level: Associates **Examples of Related Degrees:** Masonry; Masonry Installer

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the masonry field

Semester Hours Required for License: 18

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Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74055-Masonry

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the masonry field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. OSHA 10-Hour Construction Safety prior to classroom instruction; pass NCCER ICTP and pass NCCER instructors exam for Your Role in the Green Environment within 90 days from date of hire

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74090-Manufacturing

Required Degree Level: Bachelors **Examples of Related Degrees:** Manufacturing, or Industrial, or Electrical, or Mechanical Engineering; Construction & Cabinetmaking Technology; Construction Design & Manufacturing; Cabinetmaking & Mill-Work; Woodworking; Electronics Engineering Technology;

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Electronics Engineering; Digital Electronics; Metals Manufacturing; Precision Machining;
Industrial/Process Engineering; Quality Engineering

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** for manufacturing-industry demonstrated experience in the production manufacturing field; for cabinetmaking/woodworking-industry demonstrated experience in the cabinetmaking field or woodworking field; for electronics- industry demonstrated experience in troubleshooting and repairing electronics components in the electronics industry; for metals manufacturing- industry demonstrated experience in the metals manufacturing field such as machinist work, mechanical engineering with demonstrated performance of metals machining task, or tool and dye

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: For Advanced Manufacturing I & II- CPT certification; For Woodworking I, II & III- WCA Certification; For Electronics I, II, III, & IV- Electronics Technicians Association aCET certification; For Metals Manufacturing- NIMS certification in the following areas- Measurement, Materials & Safety; Job Planning; Benchwork & Layout; Manual Milling Skills I

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74090-Manufacturing

Required Degree Level: Associates **Examples of Related Degrees:** Manufacturing, or Industrial, or Electrical, or Mechanical Engineering; Construction & Cabinetmaking Technology; Construction Design & Manufacturing; Cabinetmaking & Mill-Work; Woodworking; Electronics Engineering Technology; Electronics Engineering; Digital Electronics; Metals Manufacturing; Precision Machining; Industrial/Process Engineering; Quality Engineering

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** for manufacturing-industry demonstrated experience in the production manufacturing field; for cabinetmaking/woodworking-industry demonstrated experience in the cabinetmaking field or woodworking field; for electronics- industry demonstrated experience in troubleshooting and repairing electronics components in the electronics industry; for metals manufacturing- industry demonstrated experience in the metals manufacturing field such as machinist work, mechanical engineering with demonstrated performance of metals machining task, or tool and dye

Semester Hours Required for License: 18

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Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: For Advanced Manufacturing I & II- CPT certification; For Woodworking I, II & III- WCA Certification; For Electronics I, II, III, & IV- Electronics Technicians Association aCET certification; For Metals Manufacturing- NIMS certification in the following areas- Measurement, Materials & Safety; Job Planning; Benchwork & Layout; Manual Milling Skills I

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74090-Manufacturing

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** for manufacturing-industry demonstrated experience in the production manufacturing field; for cabinetmaking woodworking-industry demonstrated experience in the cabinetmaking field or woodworking field; for electronics- industry demonstrated experience in troubleshooting and repairing electronics components in the electronics industry; for metals manufacturing- industry demonstrated experience in the metals manufacturing field such as machinist work, mechanical engineering with demonstrated performance of metals machining task, or tool and dye

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; For Advanced Manufacturing I & II- CPT certification; For Woodworking I, II & III- WCA Certification; For Electronics I, II, III, & IV- Electronics Technicians Association aCET certification; For Metals Manufacturing- NIMS certification in the following areas: Measurement, Materials & Safety; Job Planning; Benchwork & Layout; Manual Milling Skills I.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

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Program Area: Trade and Industrial Education **License Number:** 74070-Drafting

Required Degree Level: Bachelors **Examples of Related Degrees:** Mechanical Engineering; Drafting; CAD; Architectural Drafting; Engineering Drafting

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** construction industry with demonstrated experience in the drafting field; draftsman; cad designer; architect

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Certified SolidWorks Associate OR AutoDesk AutoCAD Certified User, AutoDesk Inventor Certified User, and AutoDesk Revit Certified User Before the end of the provisional license period

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74070-Drafting

Required Degree Level: Associates **Examples of Related Degrees:** Mechanical Engineering; Drafting; CAD; Architectural Drafting; Engineering Drafting

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** construction industry with demonstrated experience in the drafting field; draftsman; CAD designer; architect

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety ;Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

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Required Credentials: Certified SolidWorks Associate OR AutoDesk AutoCAD Certified User, AutoDesk Inventor Certified User, and AutoDesk Revit Certified User before the end of the provisional license period

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74070-Drafting

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** construction industry with demonstrated experience in the drafting field; draftsman; cad designer; architect

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; Certified SolidWorks Associate OR AutoDesk AutoCAD Certified User, AutoDesk Inventor Certified User, and AutoDesk Revit Certified User before the end of the provisional license period.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74080- Welding

Required Degree Level: Bachelors **Examples of Related Degrees:** Welding Engineering; Welding Technology

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the welding field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or

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Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: American Welding Society (AWS) SMAW 1234 FG; GMAW 1234 FG; FCAW 1234 FG before the end of the provisional license period

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Meeting AWS Certification of Welding Educators (AWS-QC5) would be beneficial but not required.

Program Area: Trade and Industrial Education **License Number:** 74080- Welding

Required Degree Level: Associates **Examples of Related Degrees:** Welding Engineering; Welding Technology

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the welding field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety ; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: American Welding Society (AWS) SMAW 1234 FG; GMAW 1234 FG; FCAW 1234 FG before the end of the provisional license period

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Meeting AWS Certification of Welding Educators (AWS-QC5) would be beneficial but not required.

Program Area: Trade and Industrial Education **License Number:** 74080- Welding

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** Construction industry with demonstrated experience in the welding field;

Semester Hours Required for License: 18

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Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; American Welding Society (AWS) SMAW 1234 FG; GMAW 1234 FG; FCAW 1234 FG before the end of the provisional license period

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: Meeting AWS Certification of Welding Educators (AWS-QC5) would be beneficial but not required.

Program Area: Trade and Industrial Education **License Number:** 74095-Specialized (for use in new programs)

Required Degree Level: Bachelors **Examples of Related Degrees:** Degree must be related to the subject area being taught

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** Work in industry associated with the specialty area with demonstrated experience associated with the defined specialty field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: If specialty area course focuses on a specific industry certification, that certification would be required during the first year of teaching

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74095-Specialized (for use in new programs)

Required Degree Level: Associates **Examples of Related Degrees:** Degree must be related to the subject area being taught

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** Work in industry associated with the specialty area with demonstrated experience associated with the defined specialty field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: If specialty area course focuses on a specific industry certification, that certification would be required during the first year of teaching

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74095-Specialized (for use in new programs)

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** Work in industry associated with the specialty area with demonstrated experience associated with the defined specialty field

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; If specialty area course focuses on a specific industry certification, that certification would be required during the first year of teaching

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74098-Digital Media

Required Degree Level: Bachelors **Examples of Related Degrees:** Audio/recording Arts; Audio Recording; Engineering; Audio/Video Production; Communications; Computer Animation; Digital Animation; Digital Production; Filmmaking/Editing; Film/Video; Game Art & Design; Graphic Arts; Graphic Communications; Graphic Design; Instructional Technology; Media Arts; Multimedia; Photography; Recording Arts; Sound/Audio Engineering; Television Broadcasting; Visual Communications; Web Design

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** broadcasting industry – television or radio; printing industry; film industry; photography industry; internet production industry to include web design; instructional technology – working with teacher/instructors to implement digital media projects in the classroom or school system

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety ; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: For Adobe Academy courses, the following credentials are required: Adobe Visual Design- Adobe Certified Associate (ACA) in Adobe Photoshop, Adobe InDesign, and Adobe Illustrator; Adobe Digital Design-ACA Adobe Dreamweaver; Adobe Video Design-ACA Adobe Premiere Pro

For Digital Media the following credentials are required- All 5 Adobe ACA certifications listed above and completion of the NCDPI sponsored workshop.

For Printing Graphics: PrintEd certifications for the specific course the instructor is teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: NCDPI approved workshops are available, contact CTE Consultant for more information.

Program Area: Trade and Industrial Education **License Number:** 74098-Digital Media

Required Degree Level: Associates **Examples of Related Degrees:** Audio/recording Arts; Audio Recording; Engineering; Audio/Video Production; Communications; Computer Animation; Digital Animation; Digital Production; Filmmaking/Editing; Film/Video; Game Art & Design; Graphic Arts; Graphic Communications; Graphic Design; Instructional Technology; Media Arts; Multimedia; Photography; Recording Arts; Sound/Audio Engineering; Television Broadcasting; Visual Communications; Web Design

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** broadcasting industry – television or radio; printing industry; film industry; photography industry; internet production industry to include web design; instructional technology – working with teacher/instructors to implement digital media projects in the classroom or school system

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: For Adobe Academy courses, the following credentials are required: Adobe Visual Design- Adobe Certified Associate (ACA) in Adobe Photoshop, Adobe InDesign, and Adobe Illustrator; Adobe Digital Design-ACA Adobe Dreamweaver; Adobe Video Design-ACA Adobe Premiere Pro

For Digital Media the following credentials are required- All 5 Adobe ACA certifications listed above and completion of the NCDPI sponsored workshop.

For Printing Graphics: PrintEd certifications for the specific course the instructor is teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: NCDPI approved workshops are available, contact CTE Consultant for more information.

Program Area: Trade and Industrial Education **License Number:** 74098-Digital Media

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** broadcasting industry – television or radio; printing industry; film industry; photography industry; internet production industry to include web design; instructional technology – working with teacher/instructors to implement digital media projects in the classroom or school system.

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; For Adobe Academy courses, the following credentials are required: Adobe Visual Design- Adobe Certified Associate (ACA) in

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Adobe Photoshop, Adobe InDesign, and Adobe Illustrator; Adobe Digital Design-ACA Adobe Dreamweaver; Adobe Video Design-ACA Adobe Premiere Pro

For Digital Media the following credentials are required- All 5 Adobe ACA certifications listed above and completion of the NCDPI sponsored workshop.

For Printing Graphics: PrintEd certifications for the specific course the instructor is teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: NCDPI approved workshops are available, contact CTE Consultant for more information.

Program Area: Trade and Industrial Education **License Number:** 74099-Public Safety

Required Degree Level: Bachelors **Examples of Related Degrees:** Fire Science; Law Enforcement; EMS Management; Any Medical Related Degree such as nursing, EMT, paramedic; Environmental Management; Public Personnel Management; Critical Incident Management; Executive Fire Service Leadership; Public Safety Administration; Homeland Security; Justice of Homeland Security; Public Personnel Management; Leadership in Disaster Preparedness and Crisis Management; Paralegals and Legal Assistants; Criminal Psychologist; Corrections and Jailers; Police Officers; Forensic; Physical Education; Athletic Training; Sociology

Required Years of Work Experience: 2 years within past 5 years **Examples of Related Work Experience:** For Public Safety I and II and Emergency Management, any area of public safety is acceptable (fire, law, medical, emergency management).

For Fire Fighting Technology and EMT, experience as fire or EMT personnel (Volunteer fire and EMT personnel are counted as full time personnel because they must meet the same requirements for continuing education and a must maintain a certain level of calls attended as do paid personnel to continue as a volunteer for that particular fire station). The teacher must be recognized by the Office of State Fire Marshall as a "Qualified" Fire Instructor

For Law and Justice experience as a law enforcement officer in any agency in the field of law enforcement or experience in protective services.

For EMT experience as an EMT and/or paramedic. The teacher must be recognized by the North Carolina Office of EMS as an EMT Basic Instructor

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

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Required Credentials: For Public Safety I no specific certification is required only relevant work experience;

For Public Safety II certification from NCDPS in C.E.R.T. training is required;

For Fire Fighter Technology-Qualified NC Fire Fighter II Instructor as recognized by NC OSFM;

For EMT-Qualified NC EMT Instructor as recognized by NC OEMS;

For Law and Justice -International Foundation For Protective Officers (IFPO) certification within the first year of teaching;

For Emergency Management, any licensed 74099 Public Safety teacher can teach these courses but must obtain all certifications offered in each course within the first year of teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74099-Public Safety

Required Degree Level: Associates **Examples of Related Degrees:** Fire Science; Law Enforcement; EMS Management; Any Medical Related Degree such as nursing, EMT, paramedic; Environmental Management; Public Personnel Management; Critical Incident Management; Executive Fire Service Leadership; Public Safety Administration; Homeland Security; Justice of Homeland Security; Public Personnel Management; Leadership in Disaster Preparedness and Crisis Management; Paralegals and Legal Assistants; Criminal Psychologist; Corrections and Jailers; Police Officers; Forensic; Physical Education; Athletic Training; Sociology

Required Years of Work Experience: 4 years within past 8 years **Examples of Related Work Experience:** For Public Safety I and II and Emergency Management, any area of public safety is acceptable (fire, law, medical, emergency management)

For Fire Fighting Technology and EMT, experience as fire or EMT personnel (Volunteer fire and EMT personnel are counted as full time personnel because they must meet the same requirements for continuing education and a must maintain a certain level of calls attended as do paid personnel to continue as a volunteer for that particular fire station). The teacher must be recognized by the Office of State Fire Marshall as a "Qualified" Fire Instructor

For Law and Justice experience as a law enforcement officer in any agency in the field of law enforcement or experience in protective services

For EMT experience as an EMT and/or paramedic. The teacher must be recognized by the North Carolina Office of EMS as an EMT Basic Instructor

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to

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Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: For Public Safety I no specific certification is required only relevant work experience;

For Public Safety II certification from NCDPS in C.E.R.T. training is required;

For Fire Fighter Technology-Qualified NC Fire Fighter II Instructor as recognized by NC OSFM;

For EMT-Qualified NC EMT Instructor as recognized by NC OEMS;

For Law and Justice -International Foundation For Protective Officers (IFPO) certification within the first year of teaching;

For Emergency Management, any licensed 74099 Public Safety teacher can teach these courses but must obtain all certifications offered in each course within the first year of teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Program Area: Trade and Industrial Education **License Number:** 74099-Public Safety

Required Degree Level: High School Diploma **Examples of Related Degrees:** N/A

Required Years of Work Experience: 6 years within the past 10 years **Examples of Related Work Experience:** For Public Safety I and II and Emergency Management, any area of public safety is acceptable (fire, law, medical, emergency management)

For Fire Fighting Technology and EMT, experience as fire or EMT personnel (Volunteer fire and EMT personnel are counted as full time personnel because they must meet the same requirements for continuing education and a must maintain a certain level of calls attended as do paid personnel to continue as a volunteer for that particular fire station). The teacher must be recognized by the Office of State Fire Marshall as a "Qualified" Fire Instructor

For Law and Justice experience as a law enforcement officer in any agency in the field of law enforcement or experience in protective services

For EMT experience as an EMT and/or paramedic. The teacher must be recognized by the North Carolina Office of EMS as an EMT Basic Instructor

Semester Hours Required for License: 18

Required Courses: 18 Semester Hours from: Curriculum, Instructional Planning, and Assessments; Instructional Methods; Literacy/Reading Methods; Meeting Special Learning Needs or Introduction to Exceptionalities or Diversity; Classroom Management or Learning Theory or Learning Styles or

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Motivation or How Adolescents Learn; Lab Management and Safety; Teachers must also attend SkillsUSA Advisor training

Elective Courses: N/A

Required Credentials: Core Academic Competence. See definition on page 51; For Public Safety I no specific certification is required only relevant work experience;

For Public Safety II certification from NCDPS in C.E.R.T. training is required;

For Fire Fighter Technology-Qualified NC Fire Fighter II Instructor as recognized by NC OSFM;

For EMT-Qualified NC EMT Instructor as recognized by NC OEMS;

For Law and Justice -International Foundation For Protective Officers (IFPO) certification within the first year of teaching;

For Emergency Management, any licensed 74099 Public Safety teacher can teach these courses but must obtain all certifications offered in each course within the first year of teaching.

Required Induction: NC DPI sponsored New Teacher Induction program

Resources: N/A

Years of Experience Held in Escrow for Certain Degrees for Pay Purposes

For educators that have an Associates Degree and a minimum of four years of work experience in the past eight years, two years' experience is held in escrow for pay purposes and released if a bachelor's degree in the field of licensure is completed.

For educators that have a High School Diploma and a minimum of six years of work experience in the past ten years, two years' experience is held in escrow for pay purposes and released if an Associates degree is completed in the field of licensure and an additional two years' experience shall be released for pay purposes if a bachelor's degree in the field of licensure is completed.

CTE Support Services Licensing

For licenses in CTE Support Services, candidates **MUST** have the required credential and work experience at the time of application for the license. Applicants that do not hold the required credentials will not be eligible to add the licensure area.

Career and Technical Education Director

Program Area: Career and Technical Education Director **License Number:** 711

Required Degree Level: Masters **Examples of Related Degrees:** N/A

Required Years of Work Experience: 5 years within the past 8 years

Examples of Related Work Experience: Teaching, CTE Support Services, supervisory, or administrative experience of which a minimum of two years must have been in Career and Technical Education programs. Examples include program area director (secondary, elementary, curriculum, EC, AIG, testing/accountability, ESL, student services, human resources, technology), assistant/associate superintendent, superintendent, assistant principal, or principal

Semester Hours Required for License: 9

Required Courses: N/A

Elective Courses: Career and Technical Education Program Planning and Organization or Designing College/Career Ready CTE Programs; Evaluation and Supervision in Career and Technical Education; Philosophy and Administration of Career and Technical Education or CTE Fundamentals and Program Improvement; School Finance; School Law; Work-based Learning; Developing and Supporting Teacher Leaders in CTE

Required Credentials: Current License in a CTE program area

Required Induction: NC DPI sponsored New Director Induction Program

Resources: Contact CTE regional staff for enrolling in New Director Induction

Program Area: Career and Technical Education Director **License Number:** 711

Required Degree Level: Masters **Examples of Related Degrees:** N/A

Required Years of Work Experience: 5 years within the past 8 years

Examples of Related Work Experience: Teaching, CTE Support Services, supervisory, or administrative experience of which a minimum of two years must have been in Career and Technical Education programs. Examples include program area director (secondary, elementary, curriculum, EC, AIG,

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testing/accountability, ESL, student services, human resources, technology), assistant/associate superintendent, superintendent, assistant principal, or principal

Semester Hours Required for License: 3

Required Courses: CTE Fundamentals and Program Improvement

Elective Courses: N/A

Required Credentials: Current License as principal

Required Induction: NC DPI sponsored New Director Induction Program

Resources: Contact CTE regional staff for enrolling in New Director Induction

Career Development Coordinator

Program Area: Career Development Coordinator **License Number:** 747

Required Degree Level: Bachelors **Examples of Related Degrees:** N/A

Required Years of Work Experience: 1 year within the past 5 years

Examples of Related Work Experience: Industry-related career development work experience in business, industry, or labor; or as a coordinator of work-based learning (job-shadowing, internships, cooperative education, apprenticeships); or as a Career and Technical Student Organization (CTSO) advisor

Semester Hours Required for License: 6 (in one school year)

Required Courses: 3 semester hours in Counseling theory. Successful completion of the Career Development Facilitator (CDF) course will satisfy required and elective requirements

Elective Courses: 3 semester hours from the following: Career development and counseling, Career and life planning, or Career development and occupational information

Required Credentials: Current License in a CTE program area

Required Induction: NC DPI CDC Induction program

Resources: CDF course is available through the NC Workforce Development Training Center and through NC DPI. Contact CDC Consultant for dates and information

Program Area: Career Development Coordinator **License Number:** 747

Required Degree Level: Masters **Examples of Related Degrees:** School Counseling or Career Counseling

Required Years of Work Experience: 1 year within the past 5 years

Examples of Related Work Experience: In industry-related career development work experience in business, industry, or labor; or as a coordinator of work-based learning (job-shadowing, internships, cooperative education, apprenticeships); or in school counseling

Semester Hours Required for License: 6 (in one school year)

Required Courses: Program Planning and organization in Career and Technical Education and Work-based Learning. Successful completion of the Career Development Facilitator (CDF) course will satisfy required and elective requirements

Elective Courses: N/A

Required Credentials: Current, Clear license as School Counselor

Required Induction: NC DPI CDC Induction program

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Resources: CDF course is available through the NC Workforce Development Training Center and through NC DPI. Contact CDC Consultant for dates and information

Instructional Management Coordinator

Program Area: Instructional Management **License Number:** 830

Required Degree Level: Bachelors **Examples of Related Degrees:**

Required Years of Work Experience: 5 years within the past 8 years

Examples of Related Work Experience: Classroom teacher in a CTE area; professional support position in educational setting such as CDC, SPC, curriculum/instructional specialist

Semester Hours Required for License: N/A

Required Courses: N/A

Elective Courses: N/A

Required Credentials: Current teaching license in any CTE area or current license as Curriculum Instructional Specialist or current license as Instructional Technology Specialist; MOS Excel before the end of the provisional license period

Required Induction: NC DPI sponsored IMC Induction program

Resources: Contact state level IMC for enrollment information for induction

Special Populations Coordinator

Program Area: Special Populations **License Number:** 770

Required Degree Level: Bachelors **Examples of Related Degrees:** N/A

Required Years of Work Experience: 1 year within the past 5 years

Examples of Related Work Experience: Career and Technical Education program area teacher, administrator of special education, special education teacher, after-school program director, curriculum director or specialist, career development coordinator, guidance counselor, reading specialist, school administrator, speech and language pathologist, student/personnel administrator, ESL instructor (teaching English as a second language), child care administrator, child support agency/social worker, professional tutor

Semester Hours Required for License: 12

Required Courses: N/A

Elective Courses: Instructional Methods/Teaching Strategies of Special Needs Students OR Diversity OR Psychology; Classroom Assessment and Evaluation OR Exceptionalities; Principles of Career Counseling and Development; Theories and Techniques of Counseling. Successful completion of the Career Development Facilitator course will satisfy 6 hours of required instruction

Required Credentials: Current License in a CTE program area

Required Induction: NC DPI CDC/SPC Induction program

Resources: CDF course is available through the NC Workforce Development Training Center and through NC DPI. Contact SP Consultant for dates and information

Program Area: Special Populations **License Number:** 770

Required Degree Level: Masters **Examples of Related Degrees:** N/A

Required Years of Work Experience: 1 year within the past 5 years

Examples of Related Work Experience: Career and Technical Education program area teacher, administrator of special education, special education teacher, after-school program director, curriculum director or specialist, career development coordinator, guidance counselor, reading specialist, school administrator, speech and language pathologist, student/personnel administrator, ESL instructor (teaching English as a second language), child care administrator, child support agency/social worker, professional tutor

Semester Hours Required for License: 12

Required Courses: N/A

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Elective Courses: Instructional Methods/Teaching Strategies of Special Needs Students; Exceptionalities; Literacy/Reading Methods; Classroom Management or Behavioral Management. Successful completion of the Career Development Facilitator course will satisfy 6 hours of required instruction

Required Credentials: Current, Clear license as School Counselor

Required Induction: NC DPI CDC/SPC Induction program

Resources: CDF course is available through the NC Workforce Development Training Center and through NC DPI. Contact SP Consultant for dates and information

Program Area: Special Populations **License Number:** 770

Required Degree Level: Bachelors **Examples of Related Degrees:** N/A

Required Years of Work Experience: 1 year within the past 5 years

Examples of Related Work Experience: Career and Technical Education program area teacher, administrator of special education, special education teacher, after-school program director, curriculum director or specialist, career development coordinator, guidance counselor, reading specialist, school administrator, speech and language pathologist, student/personnel administrator, ESL instructor (teaching English as a second language), child care administrator, child support agency/social worker, professional tutor

Semester Hours Required for License: 12

Required Courses: N/A

Elective Courses: Cultural Diversity Counseling; Principles of Career Counseling and Development; Theories and Techniques of Counseling; Group Counseling. Successful completion of the Career Development Facilitator course will satisfy 6 hours of required instruction.

Required Credentials: Current License in Exceptional Children's Education

Required Induction: NC DPI CDC/SPC Induction program

Resources: CDF course is available through the NC Workforce Development Training Center and through NC DPI. Contact SP Consultant for dates and information.

Required and Elective Courses may be taken at any accredited university or North Carolina Community College.

Career and Technical Education Licensure Endorsement Areas

Endorsement Name	Endorsement Number	Type of License Required	Licensure Area	Required Credentials	Required Workshop/ Course work	Support Resources
Apparel and Textile Production	18732	Clear, lateral or provisional	Marketing (730)		3 Semester hours or 30 contact hours of apparel construction content	
Carpentry	18025	Clear, lateral, provisional or restricted	Electrical Trades (74035); Masonry (74055); Specialized (74095)	Required for teaching	Demonstrated work experience in carpentry	
Computer Programming	18750	Clear, lateral or provisional	Business, Finance, and IT (760); Marketing (730); Mathematics (); Technology (820); Trade and Industrial (740 "A" level)		6 Semester hours of instruction in a programming language prior to teaching	For AP courses in computer science, teachers are required to follow College Board guidance for training.
Electrical Trades	18035	Clear, lateral, provisional or restricted	Carpentry (74025); Masonry (74055); Specialized (74095)	Required for teaching	Demonstrated work experience in electrical trades	
Fashion Merchandising	18715	Clear, lateral or provisional	Family and Consumer Sciences (710 or 712)		3 Semester hours of a fashion merchandising course	
Game Art Design	18831	Clear, lateral or provisional	Mathematics (); Science (); Technology (820); Trade and Industrial (740 "A" level)		Game Art Design Workshop approved by NC DPI	
Masonry	18055	Clear, lateral, provisional or restricted	Carpentry (74025); Electrical Trades (74035); Specialized (74095)	Required for teaching	Demonstrated work experience in masonry	

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Project Lead the Way-Biomedical	18722	Clear, lateral or provisional	Health Science Education "A" license (720, 721,722); Science (300); Biology (310)		PLTW Core Training prior to teaching; PLTW courses for specific content taught	PLTW site lists dates and times of trainings along with required fees
Project Lead the Way-Engineering	18829	Clear, lateral or provisional	Mathematics (); Science (); Technology (820); Trade and Industrial (740 "A" level)		PLTW Core Training prior to teaching; PLTW courses for specific content taught	PLTW site lists dates and times of trainings along with required fees
Project Management	18701	Clear, lateral or provisional	Any CTE Area	Project Management (such as PMP)*	Project Management preparation course*	Contact BFIT consultant for details on enrolling in preparation course.
Scientific and Technical Visualization	18827	Clear, lateral or provisional	Mathematics (); Science (); Technology (820); Trade and Industrial (740 "A" level)		Scientific Visualization Workshop approved by NC DPI	
Virtual Enterprise International	18763	Clear, lateral or provisional	Business, Finance, and IT (760); Marketing (730)		Virtual Enterprise International certification training	Contact MEE consultant for details on enrolling in preparation course.
* Credential/certification OR a NCDPI endorsed course						

Core Academic Competence

(prior to 2nd year of teaching)

Teachers with High School Diploma must demonstrate competence from one of or a combination of these assessments.

Praxis I Pre-Professional Skills Assessments (PPST)

After September 1, 2013

Reading	156
Mathematics	150
Writing	162

Prior to September 1, 2013

Reading	176
Mathematics	173
Writing	173

NC DAP

English	151
Mathematics (010) and Mathematics (060)	7 7

Asset (ACT)

Writing	80
Numerical Skills	86
Reading	55
Elementary Algebra	75

Work Keys

After July 1, 2017

Applied Math	4
Graphic Literacy	4
Workplace Documents	4

Prior to July 1, 2017

Applied Math	4
Locating Information	4
Reading for Information	4
Writing	3