

**DIVISION OF COLLEGE AND CAREER READINESS
OFFICE OF CAREER AND TECHNICAL EDUCATION AND STUDENT TRANSITION SERVICES**

**HUMAN SERVICES/FAMILY AND CONSUMER SCIENCES
2023-2024**

High Quality Middle School and High School Programs



Partnerships



Work-Based Learning



Certifications, Licenses



**Postsecondary Education
and Training**

Note: 2023-24 Program information is located in the 2023-24 Student Reporting Procedures Guide

“Can’t quit, will never surrender, failure is not an option.”

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**500407 Fashion Design and Apparel Construction
500408 Interior Design**



**131210 Early Childhood Education
130101 Introduction to Teaching**



**120501 Baking and Pastry
520905 Culinary Arts Management
520904 Hospitality and Tourism Management**



**120402 Barber/Master Hair Care
120401 Cosmetology
120409 Esthetics
190101 Family and Consumer Sciences
190704 Family Systems and Mental Health
Middle School Family and Consumer Sciences
120410 Nail Technology**



190501 Food Science

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HUMAN SERVICES/FAMILY AND CONSUMER SCIENCES

Middle School Family and Consumer Sciences (FCS)

Exploratory and Introductory Programs



Exploratory Family and Consumer Sciences (1858) introduces students to relationships, resources, home safety and security, childcare responsibilities, personal image, basic food preparation techniques, and entrepreneurship opportunities.

Introduction to Family and Consumer Sciences 1 (2857) provides an opportunity for students to explore self-image, consumer issues, and environmental concerns, positive approaches to child development, clothing care, financial literacy concepts, nutritional choices, food preparation, and skills for successful employment.

Introduction to Family and Consumer Sciences 2 (2858) focuses on the changes and challenges faced by young teens today. Topics include family relationships, goal setting, money management, home repairs, early childhood development, textile products, nutrition-related diseases and illnesses, and careers.

High School Credit Option

Level 1 of high school Family and Consumer Sciences courses can be offered in the 7th and/or 8th grade for one unit of high school credit when taught by a certified Family and Consumer Sciences teacher.

Regulation 43-232: Defined Program, Grades 6-8 B. High School Credit

Child Development 1

Fashion, Fabrics, and Design 1

Housing and Home Furnishing 1

Mental Health Fitness

Family Life Education

Foods and Nutrition 1

Human Development: Responsible Life Choices

Parenting Education

National Certifications

44 - Infant/Child CPR and Babysitting (American Red Cross)

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)

49 - ServSafe® Food Handlers Certification (CCR)

A13 - Teen Babysitting Class (American Heart Association)

471 - Teen Mental Health First Aid (tMHFA)

CCR – College and Career Readiness

Career and Technical Education Student Organizations (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

Educators Rising [Educators Rising]

HUMAN SERVICES/FAMILY AND CONSUMER SCIENCES

Middle School Family and Consumer Sciences (FCS)

Exploratory and Introductory Programs



Workplace Essential Skills: Foundation Skills

Basic Skills	Thinking Skills	Personal Qualities
Reading Writing Arithmetic and Mathematics Listening and Speaking	Creative Thinking Decision Making Problem Solving Seeing Things in the Mind's Eye Knowing How to Learn Reasoning	Responsibility Self-Esteem Social Self-Management Integrity/Honesty

Work/Volunteer Opportunities for tweens: *Opportunities listed are a small sampling of available work/volunteer options.*

Babysitting Camp counselor Charity drives Entrepreneurship Family business	Food banks Gardener assistant Homeless shelter Mail assistant Meal service	Media center assistant Retirement/Nursing home Recycling programs Teacher aide Tutor
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SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certification Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences

ARTS, A/V TECHNOLOGY & COMMUNICATIONS
National Pathway – Visual Arts
South Carolina Pathway – Fashion Design and Apparel Construction
CIP Code 500407



Fashion Design and Apparel Construction is a program that prepares individuals to apply artistic principles and techniques to the professional design of commercial fashions, apparel, and accessories, and to manage fashion development projects. Program includes instruction in apparel design; flat pattern design; computer-assisted design; labor and cost analysis; history of fashion; and production, distribution, and marketing of various apparel and textile products.

(Minimum of **three** credits required to be a completer.)

Required Courses (Concentrator Courses)

Fashion Design and Apparel Construction 1 – 5710
 Fashion Design and Apparel Construction 2 – 5711

Standards: [FDAC] **Work-based Learning:** [WBL] **Equipment List:** [EqL]

Plus one or more of the following, if needed

Advanced Web Page Design	Fashion, Fabric, and Design 1*
Business Principles and Management	Fashion, Fabric, and Design 2
Entrepreneurship*	Fashion Marketing*
Family and Consumer Sciences 1*	IT Fundamentals
Family and Consumer Sciences 2	Marketing Management*
Fashion, Fabric, and Design 1*	Mechanical Design 1*
Family and Consumer Sciences 2	Arts, Audio-Video Technology & Communications
	Internship, work-based credit

National Certifications

- 72 - Fashion, Textiles, and Apparel Assessment/Certification (CCR)
- A94 - Microburst EmployABILITY Soft Skills Certification (CCR)
- 63 - OSHA-10 (CCR)
- A85 - The Southwest Airlines Professional Communications Certification
- 373 – Precision Exam: Apparel Design & Production I
- 374 – Precision Exam: Apparel Design & Production II

CCR- College and Career Ready

ARTS, A/V TECHNOLOGY & COMMUNICATIONS
National Pathway – Visual Arts
South Carolina Pathway – Fashion Design and Apparel Construction
CIP Code 500407



Career and Technical Education Student Organization (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

Labor Market Information 2020-2030

National: Median Wages: \$36.45 hourly, \$75,810 annual **(High Wage)**
Education Level: Bachelor's Degree **(High Skill)**
Projected Growth Rate: 1%

Data Source: Occupational Outlook Handbook [FDAC]

Career Options: *Careers listed are a small sampling of the available career options.*

Some College, no Degree	Associate's Degree	Bachelor's Degree
Entrepreneur Fashion buyer Fashion illustrator Merchandise displayer	Alterations specialist Draper Sales associate Visual displayer	Costume or fashion designer Custom tailor Fashion illustrator Fashion journalist

What Fashion Designers Do

Fashion designers create clothing, accessories, and footwear.

Work Environment

Fashion designers work in wholesale or manufacturing establishments, apparel companies, retailers, theater or dance companies, and design firms. Most fashion designers work in New York and California.

How to Become a Fashion Designer

Employers usually seek applicants who are creative and who have technical knowledge of the production processes for clothing, accessories, or footwear

Job Outlook

Employment of fashion designers is projected to show little or no change from 2020 to 2030. Despite limited employment growth, about 2,500 openings for fashion designers are projected each year, on average, over the decade. Most of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

ARTS, A/V TECHNOLOGY & COMMUNICATIONS
National Pathway – Visual Arts
South Carolina Pathway – Fashion Design and Apparel Construction
CIP Code 500407



SCDE Teacher Certification [RCPSM]

Certification Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)
50+	Art plus additional courses or training approved by the Office of Career and Technical Education
EB	Clothing Design and Construction

Arts, A/V Technology & Communications
National Pathway – Visual Arts
South Carolina Pathway – Interior Design
CIP Code 500408



Interior Design focuses on the study of interior planning with emphasis on residential and commercial design. Instruction includes computer applications; drafting and graphic techniques; principles of interior lighting, acoustics, systems integration, and color coordination; furniture and furnishings; textiles and their finishing; the history of interior design and period styles; basic structural design, building codes, and inspection regulations; and applications to office, hotel, factory, restaurant, and housing design.

(Minimum of **three** credits required to be a completer.)

Required Courses (Concentrator Courses)

Interior Design 1 – 5455

Interior Design 2 – 5456

Standards: [IntD] **Work-based Learning:** [WBL] **Equipment List:** [EqL]

Plus one or more of the following, if needed

Advanced Web Page Design and Development
 Architectural Design 1
 Business Principles and Management
 Digital Art and Design 1
 Entrepreneurship*
 Family and Consumer Sciences 1*
 Family and Consumer Sciences 2
 Fundamentals of Business, Marketing and Finance

Fundamentals of Project Management
 Graphic Communication 1
 Housing and Interiors 1*
 Housing and Interiors 2
 Introduction to Graphic Communication
 Marketing Management*
 Mechanical Design 1*
 Arts, A/V Technology & Communications Internship, work-based credit

National Certifications

73 - Interior Design Fundamentals Assessment/Certification (CCR)

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)

63 - OSHA-10 (CCR)

A85 - The Southwest Airlines Professional Communications Certification

CCR- College and Career Ready Credential

Arts, A/V Technology & Communications
National Pathway – Visual Arts
South Carolina Pathway – Interior Design
CIP Code 500408



Career and Technical Education Student Organization (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

Labor Market Information 2020-2030

National: Median Wages: \$27.43 hourly, \$57,060 annual (High Wage)
Education Level: Bachelor's Degree (High Skill)
Projected Growth Rate: 4% to 6%

Data Source: Occupational Outlook Handbook [IntD]

Career Options: *Careers listed are a small sampling of the available career options.*

Some College, no Degree	Associate's Degree	Bachelor's Degree
Furnishing sales associate Furnishing installer Interior decorator Interior design assistant Showroom assistant	Display designer Photo stylist Furnishing buyer Drapery/Upholstery estimator Restoration supervisor	Interior designer: Commercial Corporate Entertainment Healthcare

What Interior Designers Do

Interior designers make indoor spaces functional, safe, and beautiful by determining space requirements and selecting essential and decorative items.

Work Environment

Many interior designers work in specialized design services or in architectural, engineering, and related services.

How to Become an Interior Designer

Interior designers usually need a bachelor's degree with a focus on interior design.

Job Outlook

Employment of interior designers is projected to show little or no change from 2020 to 2030. Despite limited employment growth, about 7,800 openings for interior designers are projected each year, on average, over the decade. Most of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

SCDE Teacher Certification [RCPSM]

Certification Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)
50+	Art plus additional courses or training approved by the Office of Career and Technology Education

EDUCATION AND TRAINING
National Pathway – Education and Training
South Carolina Pathway – Early Childhood Education
CIP Code 131210



Nontraditional – Males

The Career and Technical Education (CTE) **Early Childhood Education** program prepares individuals to teach students ranging in age from infancy through eight years (grade three). The program provides training for the management of child care services and prepares individuals to plan, design, and manage child care facilities and programs that meet children's developmental needs and interests. Instruction includes child development and psychology; home- and institution-based child care; safe and healthy environments; identification of diseases, injuries, and psychological trauma and applicable referrals; parent relations; personnel and business management principles; and related laws and policies.

(Minimum of **four** credits required to be a completer.)

Required Courses (Concentrator Courses)

Early Childhood Education 1 – 5700
 Early Childhood Education 2 – 5701

Standards: [ECE] **Work-based Learning:** [WBL] **Equipment List:** [EqL]

Plus one or more of the following, if needed

Child Development 1
 Child Development 2
 Digital Workplace Applications
 Dual Enrollment Teacher Cadet – Educational Psychology (CTE Completers Only) - 639100EW
 Dual Enrollment Teacher Cadet – Experiencing Education (CTE Completers Only) - 570500EW
 Entrepreneurship
 Family and Consumer Sciences 1
 Family and Consumer Sciences 2
 Family Life Education
 Family Life Education 2 (*phasing out June 30, 2024*)
 Foods and Nutrition 1

Foods and Nutrition 2
 Health Science 1 – Foundations of Health Care Professionals
 Introduction to Early Childhood Education
 Introduction to Teaching 1
 IT Fundamentals
 Mental Health Fitness
 Parenting Education
 Parenting Education 2 (*phasing out June 30, 2024*)
 Education and Training Internship, work-based credit – 5290

Note: Teacher Cadet courses have both CTE and Academic course codes. The content is the same for CTE and academic students. The only difference is the use of the CTE course code for a CTE completer program.

Career and Technical Education Student Organization (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCCLA]

Educators Rising [EdRising]

EDUCATION AND TRAINING
National Pathway – Education and Training
South Carolina Pathway – Early Childhood Education
CIP Code 131210



Nontraditional – Males

SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certification Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)
85+	Early Childhood plus 12 additional graduate credits approved by the OCTE
NC+	Any high school certification and OCTE approval

Labor Market Information 2020-2030

National:

Median Wages: \$60,660 annually	High Wage
Education Level: Bachelor's Degree	High Skill
Projected Growth Rate: 7% (as fast as average)	In Demand

Data Source: Occupational Outlook Handbook [ECE]

National Certifications

A64 - Advanced Child Care Training	A17 - ParaPro (CCR)
40 – American Red Cross – Baby Sitting	385 - PE: Child Development
A65 - Child Development Associate Credential	386 - PE: Interpersonal Relationships
67 – Early Childhood Education Credential/Assessment_ (CCR)	268 - Praxis Core (CCR)
44 – First Aid/CPR/AED	59 - SC Early Childhood Credential (ECD 101) (CCR)
433 – Kid's Nutrition Specialist Certifications	267 - SC 15-Hour Health and Safety Pre-Service Certificate (CCR)
A94 – Microburst EmployABILITY Soft Skills Certification (CCR)	49 - ServSafe® Food Handler (CCR)
63 - OSHA - 10 (CCR)	A13 – Teen Babysitting Class

CCR- College and Career Ready

EDUCATION AND TRAINING
National Pathway – Education and Training
South Carolina Pathway – Early Childhood Education
CIP Code 131210



Nontraditional – Males

Career Options: *Careers listed are a small sampling of the available career options.*

Careers requiring less than a Baccalaureate Degree	Careers Requiring Baccalaureate Degree	Careers requiring more than a Baccalaureate Degree
Child care worker Early childhood aide Teacher assistant Nanny	Child care center director Early childhood teacher Elementary school teacher Family support specialist	Child psychologist College/University faculty Consultant Guidance counselor

What Kindergarten and Elementary School Teachers Do

Kindergarten and elementary school teachers instruct young students in basic subjects in order to prepare them for future schooling.

Work Environment

Kindergarten and elementary school teachers work in public and private schools. They generally work during school hours when students are present and use nights and weekends to prepare lessons and grade papers. Most kindergarten and elementary school teachers do not work during the summer.

How to Become a Kindergarten or Elementary School Teacher

Kindergarten and elementary school teachers usually must have at least a bachelor's degree. In addition, public school teachers must have a state-issued certification or license.

Job Outlook

Overall employment of kindergarten and elementary school teachers is projected to grow 7 percent from 2020 to 2030, about as fast as the average for all occupations. About 124,300 openings for kindergarten and elementary school teachers are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

EDUCATION AND TRAINING
National Pathway – Education and Training
South Carolina Pathway – Introduction to Teaching
CIP Code 130101



Introduction to Teaching focuses on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education.

(Minimum of **four** credits required to be a completer.)

Required Courses (Concentrator Courses)

Introduction to Teaching 1 – 5703

Introduction to Teaching 2 – 5704

Standards: [FDAC] **Work-based Learning:** [WBL] **Equipment List:** [EqL]

Plus one or more of the following, if needed

Child Development 1*	Family Life Education 1*
Child Development 2*	Family Life Education 2 (Phasing Out June 30, 2024)
Digital Workplace Applications	Health Science 1 – Foundations of Health Care Professionals
Dual Enrollment Teacher Cadet – Educational Psychology (CTE Completers Only) - 8817000EW*	Human Development: Responsible Life Choices*
Dual Enrollment Teacher Cadet – Experiencing Education (CTE Completers Only) – 570500EW*	Human Development: Responsible Life Choices 2 (Phasing Out June 30, 2024)
Early Childhood Education 1*	Introduction to Early Childhood Education
Entrepreneurship	IT Fundamentals
Family and Consumer Sciences 1*	Mental Health Fitness
Family and Consumer Sciences 2*	Parenting Education*
	Parenting Education 2 (Phasing Out June 30, 2024)
	Web Page Design and Development
	Education and Training Internship, work-based credit – 5290

Note: Teacher Cadet courses have both CTE and academic course codes. The content is the same for CTE and academic students. The only difference is the use of the CTE course code for a CTE completer program.

Career and Technical Education Student Organization (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

Educators Rising [EdRising]

Labor Market Information 2020-2030

National:

Median Wages: \$62,870 annually

Education Level: Bachelor's Degree

Projected Growth Rate: 8% (as fast as average)

High Wage

High Skill

In Demand

EDUCATION AND TRAINING
National Pathway – Education and Training
South Carolina Pathway – Introduction to Teaching
CIP Code 130101



Data Source: Occupational Outlook Handbook [IT]

National Certifications

A64 - Advanced Child Care Training	63 - OSHA-10 (CCR)
40 – American Red Cross Baby Sitting	A17 - ParaProAssessment(CCR)
70 - Education Fundamentals Assessment/Certification (CCR)	268 - Praxis Core (CCR)
A94 - Microburst EmployABILITY SoftSkills Certification (CCR)	385 – PE: Child Development
	386 – PE: Interpersonal Relationships

CCR- College and Career Ready

Career Options: *Careers listed are a small sampling of the available career options.*

Careers requiring less than a Baccalaureate Degree	Careers Requiring Baccalaureate Degree	Careers requiring more than a Baccalaureate Degree
Tutor Teacher assistant Nanny	Literacy specialist Online teacher Teacher	Child psychologist College/University faculty Guidance counselor

What High School Teachers Do

High school teachers teach academic lessons and various skills that students will need to attend college and to enter the job market.

Work Environment

High school teachers work in schools. They work during school hours but may also work evenings and weekends to prepare lessons and grade papers. Most do not teach during the summer.

How to Become a High School Teacher

High school teachers typically have at least a bachelor's degree. In addition, public school teachers must have a state-issued certification or license, which may require an academic background in the subject(s) they will be certified to teach.

SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certification Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)
4B+	Business/Marketing/Computer Technology (Business and Marketing Technology)
47+	Business Education
29 +	Industrial Technology Education
30 +	Agriculture

EDUCATION AND TRAINING
National Pathway – Education and Training
South Carolina Pathway – Introduction to Teaching
CIP Code 130101



<u>NC+</u>	<u>Any high school certification Plus additional courses or training approved by the Office of Career and Technical Education</u>
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**CTE Approved Post-Secondary Courses for Dual Credit
Earned in CTE Programs for CTE Completer Units**

Early Childhood Education and Introduction to Teaching

Dual Enrollment Course Names and Postsecondary Codes	SCDE Assigned Dual Enrollment Course Codes	Equivalent CTE Secondary Course Name	Equivalent CTE Secondary Course Code
Dual Enrollment Growth and Development I (ECD 102)	5709	Child Development 1	5800
Dual Enrollment Growth and Development 2 (ECD 203)	6812	Child Development 2	5801
Dual Enrollment Introduction To Early Childhood (ECD 101)	5708	Early Childhood Education 1	5700
Dual Enrollment Creative Experiences (ECD 132) OR Dual Enrollment Methods and Materials (ECD 237) OR Dual Enrollment Health, Safety and Nutrition (ECD 135)	6815 6816 8811	Early Childhood Education 2	5701
Dual Enrollment Classroom Inquiries with Technology (EDU 201) (EDUC 204)	6818	Introduction to Teaching 1	5703
Dual Enrollment Learners and Diversity (EDU 241)	6814	Introduction to Teaching 2	5704

HOSPITALITY AND TOURISM
National Pathway – Restaurant Food and Beverage Services
South Carolina Pathway – Baking and Pastry Management
CIP Code 120501



The Baking and Pastry Arts Management pathway curriculum is designed to provide students with the skills and knowledge required for employment in the baking/pastry industry, including restaurants, hotels, independent bakeries/pastry shops, wholesale/retail markets, and high-volume bakeries, and/or further academic studies. The pathway introduces students to fundamental preparation terms, concepts, and methods in baking and pastry where laboratory practice parallels class work. There is emphasis on kitchen and dining room safety, sanitation, equipment maintenance and operation procedures.

(Minimum of **four** credits required to be a completer.)

Required Courses (Concentrator Courses)

Baking and Pastry – 5723**

Advanced Baking and Pastry – 5724**

Course Standards [BakPas] **Work-based Learning:** [WBL] **Equipment List** [EqL]

Plus one or more of the following, if needed

Accounting 1
 Culinary Arts Management 1
 Digital Workplace Applications
 Entrepreneurship
 Event and Entertainment Management
 Foods and Nutrition 1

Fundamentals of Web Page Design and Development
 Introduction to Culinary Arts
 Introduction to Hospitality and Tourism Management
 Nutrition and Wellness
 Safety and Sanitation
 Hospitality and Tourism Internship, work-based credit - 5190

Career and Technical Education Student Organizations (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

Skills USA South Carolina [SkillsUSA]

Labor Market Information 2020-2030

National:

Median Wages: \$25.65 per hour \$53,380 annually
 Education Level: High School Diploma or equivalent
 Projected Growth Rate: 25%

High Wage
High Skill
In Demand

Data Source: Occupational Outlook Handbook [[BakPasChef](#)]

HOSPITALITY AND TOURISM
National Pathway – Restaurant Food and Beverage Services
South Carolina Pathway - Culinary Arts Management
CIP Code 520905



National Certifications

A43 - ACF Retail Commercial Baking (CCR)
426 - Certified Fundamentals Pastry Cook™ (CCR)
270 - Certified Pastry Culinarian® (CCR)
A49 - Cooking and Baking Credential (CCR)
339 - CTECS: Baking and Pastry

360 - HAACP Food Handler Certification
A94 - Microburst EmployABILITY Soft Skills Certification (CCR)
63 - OSHA (CCR)
49 - ServSafe® Food Handler (CCR)
A15 - ServSafe® Manager (CCR)

CCR- College and Career Ready

Career Options: *Careers listed are a small sampling of the available career options.*

Entry Level	Skill/Mid-Level	Management Level
Bakery assistant Bakery department worker Cashier/Doughnut maker Commercial baker Froster/Decorator	Baker/Pastry chef assistant Assistant bakery instructor Banquet assistant chef Entrepreneur Retail bakers	Bakery chef manager Baking and pastry instructor Banquet chef manager Caterer chef manager Senior bakery manager

What Chefs and Head Cooks Do

Chefs and head cooks oversee the daily food preparation at restaurants and other places where food is served.

Work Environment

Chefs and head cooks work in restaurants, private households, and other establishments where food is served. They often work early mornings, late evenings, weekends, and holidays. The work can be hectic and fast-paced. Most chefs and head cooks work full time.

How to Become a Chef or Head Cook

Most chefs and head cooks learn their skills through work experience. Others receive training at a community college, technical school, culinary arts school, or 4-year college. Some learn through apprenticeship programs.

HOSPITALITY AND TOURISM
National Pathway – Restaurant Food and Beverage Services
South Carolina Pathway - Culinary Arts Management
CIP Code 520905



Culinary Arts Management prepares students to plan, manage, and market restaurants, food services in hospitality establishments, food service chains, franchise networks, and restaurant supply operations. The program includes instruction in hospitality administration, food services management, wholesale logistics and distribution, franchise operations, business networking, personnel management, culinary arts, business planning and capitalization, food industry operations, marketing and retailing, business law and regulations, finance, and professional standards and ethics.

(Minimum of **three** credits required to be a completer.)

Required Courses (Concentrator Courses)

Culinary Arts Management 1 – 5720

Culinary Arts Management 2 – 5721

OR

Culinary Arts Management 1 – 5720

Baking and Pastry – 5723

Course Standards [CulAM] **Work-based Learning:** [WBL] **Equipment List** [EqL]

Plus one or more of the following, if needed

Accounting 1

Entrepreneurship

Event and Entertainment Management

Foods and Nutrition 1

Foods and Nutrition 2

Fundamentals of Web Page Design and

Development

Introduction to Culinary Arts

Introduction to Hospitality and Tourism Management

IT Fundamentals

Mental Health Fitness

Nutrition and Wellness

Safety and Sanitation

Sports Nutrition

Hospitality and Tourism Internship, work-based credit - 5190

Career and Technical Education Student Organizations (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

Skills USA South Carolina [SkillsUSA]

Labor Market Information 2020-2030

National:

Median Wages: \$27.21 per hour \$56,590 annually

Education Level: High School Diploma or equivalent

Projected Growth Rate: 15% (faster than average)

High Wage

High Skill

In Demand

Data Source: Occupational Outlook Handbook [CAM]

HOSPITALITY AND TOURISM
National Pathway – Restaurant Food and Beverage Services
South Carolina Pathway - Culinary Arts Management
CIP Code 520905



National Certifications

A79 - AMSA Food Safety and Science Certification
A43 - ACF Retail Commercial Baking (CCR)
269 - Certified Culinarian® (CCR)
A9 - Certified Fundamentals Cook® (CCR)
426 - Certified Fundamentals Pastry Cook™ (CCR)
270 - Certified Pastry Culinarian® (CCR)
A49 - Cooking and Baking Credential (CCR)
339 - CTECS: Baking and Pastry
69 - Culinary Arts Assessment/Certification (CCR)

361 - Food Manager Certification
360 - HACCP Food Handler Certification (CCR)
63 - OSHA (CCR)
37 - ProStart (CCR)
A71 - S/P2 Culinary Arts
A8 - Secondary Culinary Graduate
49 - ServSafe® Food Handler Certification (CCR)
A15 - ServSafe® Manager (CCR)

CCR - College and Career Ready

Career Options: *Careers listed are a small sampling of the available career options.*

Entry Level	Skill/Mid-Level	Management Level
Baker Banquet server/set-up employee Bus person Butcher Entry level fast food Food service attendant Line cook Prep cook	Assistant food director Assistant chef Assistant culinary arts instructor Food photographer Personal chef Sous chef	Culinary instructor Executive chef Flavor chemist Food safety specialist Food service manager Food technologist Nutritionist Private chef

What Chefs and Head Cooks Do

Chefs and head cooks oversee the daily food preparation at restaurants and other places where food is served.

Work Environment

Chefs and head cooks work in restaurants, private households, and other establishments where food is served. They often work early mornings, late evenings, weekends, and holidays. The work can be hectic and fast-paced. Most chefs and head cooks work full time.

How to Become a Chef or Head Cook

Most chefs and head cooks learn their skills through work experience. Others receive training at a community college, technical school, culinary arts school, or 4-year college. Some learn through apprenticeship programs.

HOSPITALITY AND TOURISM
National Pathway – Lodging, Travel & Tourism, Recreation, Amusements & Attractions
South Carolina Pathway – Hospitality and Tourism Management
CIP Code 520904



Hospitality and Tourism Management prepares individuals to manage operations and facilities that provide lodging services to the traveling public. The program includes instruction in hospitality industry principles; supplies purchasing, storage, and control; hotel facilities design and planning; hospitality industry law; personnel management and labor relations; financial management; marketing and sales promotion; front desk operations; and convention and event management.

(Minimum of **three** credits required to be a completer.)

Required Courses (Concentrator Courses)

Introduction to Hospitality and Tourism Management 1 - 5478 (prerequisite) (**Concentrator Course**)

One course from this listing required for **concentrator course**; Select **two courses** from this listing for **completer** status.

Lodging Management – 5473

Travel and Tourism Management – 5474 *or AS Travel and Tourism - 81D100GWBBI** or A Travel and Tourism - 81D000GW***

Event and Entertainment Management – 5475 or Sports Entertainment Management – 5426

Culinary Arts Management 1 - 5720

Course Standards [[HTM](#)] **Work-based Learning:** [[WBL](#)] **Equipment List** [[EqL](#)]

Plus one or more of the following, if needed

Accounting 1	IT Fundamentals
Digital Workplace Applications	Marketing Management
Entrepreneurship	Mental Health Fitness
Foods and Nutrition 1	Safety and Sanitation
Fundamentals of Web Page Design and Development	Sports and Entertainment Marketing
Introduction to Culinary Arts Management	Hospitality and Tourism Internship, work-based credit -5190

SCDE Teacher Certification

Required Credentials for Professional Staff Members [[RCPSM](#)]

Certif. Code	Acceptable Certification and Mandatory Attendant Training
AQ	Culinary Arts
35	Family and Consumer Sciences (Home Economics)
4B	Business/Marketing/Computer Technology (Business and Marketing Technology)
47	Business Education*
NC+	Any High School Certification plus additional courses or training approved by the Office of Career and Technical Education

HOSPITALITY AND TOURISM
National Pathway – Lodging, Travel & Tourism, Recreation, Amusements & Attractions
South Carolina Pathway – Hospitality and Tourism Management
CIP Code 520904



National Certifications

09 - Academy of Hospitality and Tourism	209 - Guest Service Gold®: Tourism (CCR)
210 - Certified Guest Service Professionals (CCR)	A94 - Microburst EmployABILITY Soft Skills Certification (CCR)
A61 - Certified Guestroom Attendant (CCR)	63 - OSHA-10 (CCR)
271 - Certified Hospitality and Tourism Management Professional (CHTMP) (CCR)	415 – PE: Event Planning & Management
A63 - Certified Maintenance Employee (HSC) (CCR)	416 – PE: Lodging & Recreation
A62 - Certified Restaurant Server (CCR)	417 – PE: Travel & Tourism
44 - First Aid/CPR/AED	49 – ServSafe® Food Handler (CCR)
43 - Front Desk Representative (CCR)	A15 – ServSafe® Manager (CCR)
208 - Guest Service Gold®: Golden Opportunities (CCR)	A14 - Skills, Tasks, and Results Training (START) Certification (CCR)
207 - Guest Service Gold®: Making Connections (CCR)	

CCR – College and Career Readiness

Career and Technical Student Organizations

SC Family, Career and Community Leaders of America [SCFCCLA]

Marketing [SC DECA]

Career Options: *Careers listed are a small sampling of the available career options.*

Entry Level	Skill/Mid-Level	Managerial Level
Activities associate/attendant Bell person Housekeeping attendant Life Guard Line cook Maintenance Aids Marketing clerk Reservations associate Travel agent	Accountant Front desk agent Housekeeping supervisor Sales representative	Advertising, Promotion, and Marketing manager Assistant general manager Catering director Chief engineer Director of security General manager

HOSPITALITY AND TOURISM
National Pathway – Lodging, Travel & Tourism, Recreation, Amusements & Attractions
South Carolina Pathway – Hospitality and Tourism Management
CIP Code 520904



Labor Market Information 2020-2030

National: Lodging Managers

Median Wages: \$27.25 per hour \$56,670 annually	High Wage
Education Level: High School Diploma or equivalent	High Skill
Projected Growth Rate: 9% (as fast as average)	In Demand

Data Source: Occupational Outlook Handbook [LMan]

What Lodging Managers Do

Lodging managers ensure that traveling guests have a pleasant experience at their establishment with accommodations. They also ensure that the business is run efficiently and profitably.

Work Environment

Because hotels are open 24 hours a day, evening and weekend work is common. Most lodging managers work full time and are often on call. The work can be pressure filled and stressful.

How to Become a Lodging Manager

Lodging managers usually take one of three education paths: a bachelor's degree in hospitality or hotel management, an associate's degree or a certificate in hotel management, or a high school diploma combined with several years of experience working in a hotel.

Labor Market Information 2020 -2030

National: Meeting, Convention, and Event Planners

Median Wages: \$24.79 per hour \$51,560 annually	High Wage
Education Level: Bachelor's Degree	High Skill
Projected Growth Rate: 18%	In Demand

Data Source: Occupational Outlook Handbook [MCEP]

What Meeting, Convention, and Event Planners Do

Meeting, convention, and event planners arrange all aspects of events and professional gatherings.

Work Environment

Meeting, convention, and event planners work in their offices and onsite at hotels or conference centers. They often travel to attend events and visit meeting sites. During meetings or conventions, planners may work many more hours than usual.

How to Become a Meeting, Convention, or Event Planner

Meeting, convention, and event planners typically need a bachelor's degree. Some experience related to event planning may be helpful.

**CTE Approved Post-Secondary Courses for Dual Credit
Earned in CTE Programs for CTE Completer Units**

Culinary Arts Management and Hospitality and Tourism Management Alignments

Dual Enrollment Course Names and Postsecondary Course Code	SCDE Assigned Dual Enrollment Course	Secondary Course Name	Equivalent CTE Secondary Course Code
Dual Enrollment Principles of Food Production I (CUL 101)	5725	Culinary Arts 1	5720
Dual Enrollment Principles of Food Production II (CUL 102)	5726	Culinary Arts 2	5721
Dual Enrollment Introduction to Culinary Arts I (CUL 104)	5728	Culinary Arts 2	5721
Dual Enrollment Hospitality Industry (HOS 140)	5479	Introduction to Hospitality and Tourism Management	5478
Dual Enrollment Hotel Management (HOS 150)	5191	Lodging Management	5473
Dual Enrollment Travel and Tourism (HOS 164)	5192	Travel and Tourism Management	5474
Dual Enrollment Events Management (HOS 161)	8190	Event and Entertainment Management	5475
Dual Enrollment Convention Management (HOS 258)	5193	Event and Entertainment Management	5475

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Barber/Master Hair Care
CIP Code 120402

Nontraditional - Females

Barber/Master Hair Care prepares individuals to shave and trim facial/neck hair and beards, cut and dress hair, fit hairpieces, give facial and scalp massages, apply cosmetic treatments, and to prepare for licensure as professional barbers at various levels. Includes instruction in facial shaving; beard and mustache shaping and trimming; shampooing; hair cutting; hair styles and styling art; facial treatments and massage; chemical applications; hair and scalp anatomy and physiology; hairpiece and toupee fitting; equipment operation; health and safety; customer service; and shop business practices.

(Completer Requirements: (1000 Barber hours and 540 Academic hours equals 1540 hours required and a minimum of 8 units to be a completer.)

Required Courses

Barber/Master Hair Care 1 - 6158 (concentrator)
 Barber/Master Hair Care 2 - 6159 (concentrator)
 Barber/Master Hair Care 3 - 6160 (concentrator)
 Barber/Master Hair Care 4 - 6161

Standards [BMHC]

Work-based Learning [WBL]

Equipment List [EqL]

Barber/Master Hair Care 2 – Pass

Barber/Master Hair Care 1 with a minimum of a 70 average and a minimum of 250 clock hours

Barber/Master Hair Care 3 – Pass

Barber/Master Hair Care 2 with a minimum of a 70 average and a minimum of 500 clock hours

Barber/Master Hair Care 4 – Pass

Barber/Master Hair Care 3 with a minimum of a 70 average and a minimum of 750 clock hours

Additional approved course if needed to meet state recognized program requirements:

Natural Hair Braiding

Human Services Internship, work-based credit - 5790

OR

Administrator or Teacher recommendation

Career and Technical Education Student Organization (CTSO)

South Carolina SkillsUSA [SkillsUSA]

Certifications/Licenses

448 – Barbicide Certification

449 – Lucas-Cide Certification

A42 - Master Hair Care (chemicals) (CCR)

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)

63 - Occupational Safety and Health Administration (OSHA) (CCR)

A26 - Registered Barber (no chemicals) (CCR)

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway – Barber/Master Hair Care
CIP Code 120402

Nontraditional - Females

A27 - South Carolina Hair Braiding Registration (CCR)

CCR- College and Career Ready

Labor Market Information 2018-2028

National: Barbers

Median Wages: \$27,960 annually

Education Level: Postsecondary non-degree award

Projected Growth Rate: 8%

**High Skill
In Demand**

Data Source: Occupational Outlook Handbook [BMH]

Careers requiring specialized training

Barber assistant
 Barber apprentice
 Barbering product designer
 Barbering product sales
 Barber shop coordinator

Careers requiring specialized licensure

Entrepreneurship
 Hair cut specialist
 Hair braiding practitioner
 Master hair care specialist
 Registered barber

Careers requiring training beyond specialized licensure

Barbering instructor
 Barbering school owner
 Director of education
 Research chemist
 Trade show director

SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certification Code

BP
 AT+

**Acceptable Certification and
Mandatory Attendant Training**

Barbering
 Cosmetology plus Barbering License

What Barbers Do

Barbers, hairstylists, and cosmetologists provide haircutting, hairstyling, and a range of other beauty services.

Work Environment

Barbers, hairstylists, and cosmetologists work mostly in a barbershop or salon. Physical stamina is important, because they are on their feet for most of their shift. Many work full time, but part-time positions are also common.

How to Become a Barber

All states require barbers, hairstylists, and cosmetologists to be licensed. To qualify for a license, candidates are required to graduate from a state-approved barber or cosmetology program and then pass a state exam for licensure.

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Barber/Master Hair Care
Natural Hair Braiding

The Natural Hair Braiding project-based learning course provides students with the knowledge and skills needed to successfully face the challenges of the workplace. Projects include content aligned information that leads to the development of Ceremonial Hair style presentations, a science interactive quick reference workbook, demonstration of computer science skills-mathematical computations, algorithms, and coding, (creating and designing a computer-generated style to be demonstrated on a manikin or live model), and a business plan that includes business practices and licensing laws. Students are required to complete a one-day six-hour course (after completion of the 120 hours) and take the Hair Braiding Registration test. Leadership, knowledge and technical skills will be demonstrated and honed by participating in different student (SkillsUSA) and professional organization activities/competitions.

Course Code	6146	
Required Maximum Enrollment	20 students per class period	
Grade Level	10 (at least 16 years old), 11, 12	
Credits/Hours	1 (120 hours), 2 (240 hours)	
Course Requirement - SCLLR	6 hour one-day training	
Prerequisite	NA	
Method of Delivery	F-2-F, Hybrid	
Natural Hair Braiding – 120 - SCDE hours	or	240 - SCDE hours
<u>6 - SCLLR - one-day course</u>		<u>6 - SCLLR one-day course</u>
Total hours	126 - hours or 1 Carnegie Unit	246 - 2 Carnegie Units

(Minimum of **three** credits required to be a completer.)

Standards: Work-based Learning: [WBL] **Equipment List:** [EqL]

Pathway Options

Business Management and Administration Cluster General Management Pathway - 520201

Required Courses:

Accounting 1
Entrepreneurship
Natural Hair Braiding*

OR

Information Technology Cluster Web and Digital Communications Pathway - 110801

Required Courses:

Advanced Web Page Design and Development
Fundamentals of Web Page Design and Development
Natural Hair Braiding*

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Barber/Master Hair Care
Natural Hair Braiding

Additional options

Business Management and Administration Internship, work-based credit - 5490
Information Technology Internship, work-based credit – 5390
Human Services Internship, work-based credit - 5790

Career and Technical Education Student Organization (CTSO)

South Carolina SkillsUSA [SkillsUSA]

Certifications/Licenses

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)
63 - Occupational Safety and Health Administration (OSHA) (CCR)
A27 - South Carolina Hair Braiding Registration (CCR)
448 - Barbicide Certification
449 - Lucas-Cide Certification

CCR - College and Career Ready

Labor Market Information 2021-2031

National: Natural Hair Braiders

Median Wages: \$14.27 per hour \$29,680 annually
Education Level: Postsecondary non-degree award **High Skill**
Projected Growth Rate: 11% (much faster than average) **In Demand**

Data Source: Occupational Outlook Handbook [NHB]

Careers requiring specialized training

Hair braiding assistant
Hair braiding apprentice
Hair braiding product designer
Hair braiding product sales

Careers requiring specialized licensure

Entrepreneurship
Hair braiding practitioner
Loctician
Master hair care specialist

Careers requiring training beyond specialized licensure

Barbering instructor
Barbering school owner
Director of education
Research chemist

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Barber/Master Hair Care
Natural Hair Braiding

What Barbers, Hairstylists, Hair Braiders, and Cosmetologists Do

Barbers, hairstylists, hair braiders and cosmetologists provide haircutting, hairstyling, and a range of other beauty services.

Work Environment

Barbers, hairstylists, hair braiders and cosmetologists work mostly in a barbershop or salon. Physical stamina is important because they are on their feet for most of their shift. Many work full time, but part-time positions are also common.

How to Become a Natural Hair Braider

All states require barbers, hairstylists, and cosmetologists to be licensed. Hair braiders are required to earn a hair braiders registration in South Carolina. To qualify for a hair braiding registration, candidates are required to take a state approved one-day six-hour course and then pass a state exam for the hair braider registration.

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway – Cosmetology
CIP Code 120401

Nontraditional – Males

Cosmetology prepares individuals to cut, trim, and style hair; apply cosmetic preparations; perform manicures and pedicures; massage the head, arms and legs; and prepare for practice as licensed cosmetologists in specialized or full-service salons. Includes instruction in hair cutting and styling, manicuring, pedicuring, facial treatments, shampooing, chemical applications, esthetics, shop management, sanitation and safety, customer service, and applicable professional and labor laws and regulations.

Completer Requirements: (1000 Cosmetology hours and 540 Academic hours equals 1540 hours required and a minimum of 8 units to be a completer.)

Required Courses

Cosmetology 1 - 6150 (Concentrator)
Cosmetology 2 - 6151 (Concentrator)
Cosmetology 3 - 6152 (Concentrator)
Cosmetology 4 - 6153

Standards [Cos] Work-based Learning [WBL]
Equipment List [EqL]

Optional

Human Services Internship, work-based credit - 5790

Teacher recommendation or

Cosmetology 2 – Pass Cosmetology 1 with a minimum of a 75 average and a minimum of 250 clock hours

Cosmetology 3 – Pass Cosmetology 2 with a minimum of a 75 average and a minimum of 500 clock hours

Cosmetology 4 – Pass Cosmetology 3 with a minimum of a 75 average and a minimum of 750 clock hour

OR

Administrator or Teacher recommendation

Career and Technical Education Student Organization (CTSO)

South Carolina SkillsUSA [SkillsUSA]

Certifications/Licenses

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)

63 - Occupational Safety and Health Administration (OSHA) (CCR)

39 - South Carolina Cosmetology License (CCR)

A68 - S/P2 Cosmetology

A85 - The Southwest Airlines Professional Communications Certification

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway – Cosmetology
CIP Code 120401

Nontraditional – Males

CCR- College and Career Ready

Labor Market Information 2018-2028

National: Barbers, Hairstylists, and Cosmetologists

Median Wages: \$14.27 per hour \$29,680 annually

Education Level: Postsecondary non-degree award

Projected Growth Rate: 11% (Much faster than average)

High Skill

In Demand

Data Source: Occupational Outlook Handbook [COS]

Careers requiring specialized training	Careers requiring specialized licensure	Careers requiring training beyond specialized licensure
Beauty business consultant Beauty care marketing Beauty product designer Department store make-up artist Shampooer	Entrepreneur Fashion show stylist Photo and movie stylist Registered cosmetologist Salon chain manager Skin care specialist	Beauty magazine writer or editor Cosmetology instructor Cosmetology school owner Director of education Platform artist and educator Research chemist

SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certification Code

**Acceptable Certification and
Mandatory Attendant Training**

AT

Cosmetology

BP+

Barber plus Cosmetology License

What Hairstylists and Cosmetologists Do

Hairstylists, and cosmetologists provide haircutting, hairstyling, and a range of other beauty services.

Work Environment

Barbers, hairstylists, and cosmetologists work mostly in a barbershop or salon. Physical stamina is important, because they are on their feet for most of their shift. Many work full time, but part-time positions are also common.

How to Become a Hairstylist or Cosmetologist

All states require barbers, hairstylists, and cosmetologists to be licensed. To qualify for a license, candidates are required to graduate from a state-approved barber or cosmetology program and then pass a state exam for licensure.

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Esthetics
CIP Code 120409

Esthetics prepares individuals to cleanse, depilate, massage, and beautify the human body and to function as licensed estheticians and skin care specialists. Instruction includes skin anatomy, physiology, and health; principles of nutrition; decontamination and infection control; health and safety; facial and body massage; body wrapping and spa treatments; temporary hair removal including waxing and tweezing; color and skin analysis; client consultation and care; applicable laws and regulations; business practices; and, sometimes, related alternative healing regimens. Students receive additional hours required by the South Carolina Department of Education to prepare them to make a seamless transition to the medical aspects of Aesthetics.

(Completer Requirements: (450 hours required by SCLLR; 30 hours required by SCDE – a total of 480 hours required and a minimum of four credits required to be a completer.)

Required Courses

Esthetics 1 – 6162 Concentrator
 Esthetics 2 – 6163 Concentrator
 Esthetics 3 - 6164
 Esthetics 4 - 6165

Standards [Cos]

Work-based Learning [WBL]

Equipment List [EqL]

Esthetics 2 – Pass Esthetics 1 with a minimum of a 75 average and a minimum of 120 clock hours

Esthetics 3 – Pass Esthetics 2 with a minimum of a 75 average and a minimum of 240 clock hours

Esthetics 4 – Pass Esthetics 3 with a minimum of a 75 average and a minimum of 360 clock hours

Optional

Human Services Internship, work-based credit - 5790

OR

Administrator or Teacher recommendation

Career and Technical Education Student Organization (CTSO)

South Carolina SkillsUSA [SkillsUSA]

Certifications/Licenses

63 - Occupational Safety and Health Administration (OSHA) (CCR)

A28 - South Carolina Esthetician License (CCR)

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)

CCR - College and Career Ready

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Esthetics
CIP Code 120409

Labor Market Information 2021-2031

National: Esthetics

Median Wages: \$17.93 per hour \$37,300 per year annually **High Wage**
Education Level: Postsecondary non-degree award **High Skill**
Projected Growth Rate: 17% (Much faster than average) **In Demand**

Data Source: Occupational Outlook Handbook [EST]

Careers requiring specialized training	Careers requiring specialized licensure	Careers requiring training beyond specialized licensure
Buyer for department stores or salons Department store skin care product demonstration Skin care product sales	Anti-aging treatment specialist Entrepreneur Facial specialist Laser treatment specialist Skincare specialist	Esthetics instructor Laser esthetician Medical aesthetician Theatre makeup esthetician Permanent make-up tattoo artist

SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certification Code

Acceptable Certification and Mandatory Attendant Training

AT

Cosmetology

ES

Esthetics

What Skincare Specialists Do

Skincare specialists cleanse and beautify the face and body to enhance a person's appearance.

Work Environment

Skincare specialists usually work in salons and beauty and health spas, and some are self-employed. Although most work full time, many work evenings and weekends.

How to Become a Skincare Specialist

Skincare specialists must complete a state-approved cosmetology or esthetician program and then pass a state exam for licensure, which all states except Connecticut require. All states require barbers, hairstylists, and cosmetologists to be licensed. To qualify for a license, candidates are required to graduate from a state-approved barber or cosmetology program and then pass a state exam for licensure.

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Nail Technology
CIP Code 120410

Nontraditional – Males

Nail Technology is a program that prepares individuals to shape fingernails and toenails, remove unwanted skin and blemishes, apply polish and cosmetics to nails, and function as licensed manicurists or nail technicians/specialists. Includes instruction in manicuring theory; skin anatomy; nail growth, irregularities, and diseases; sterilization and sanitation; equipment and table maintenance; cuticle, blemish, and rough skin removal; nail filing, shaping, and polishing; cream application and extremity massage; nail sculpture and design art; product storage and use; customer services; laws and regulations; and business practices.

(Completer Requirements: (300 hours required by SCLLR; **60 hours required** to be a completer by SCDE- A total of **360 Nail Technology hours** and a minimum of **three credits** to be a completer.)

Required Courses

Nail Technology 1 – 6154 (concentrator)

Nail Technology 2 – 6155 (concentrator)

Nail Technology 3 – 6156

Standards [NTech] Work-based Learning [WBL]
Equipment List [EqL]

Nail Technology 2 – Pass Nail Technology 1 with a minimum of a **75** average and a minimum of **120** clock hours

Nail Technology 3 – Pass Nail Technology 2 with a minimum of a **75** average and a minimum of **240** clock hours

Nail Technology 4 (optional) – Pass Nail Technology 3 with a minimum of a **75** average and a minimum of **360** clock hours

OR

Administrator or Teacher recommendation

Additional courses if needed

Nail Technology 4 – 6157

Human Services Internship, work based credit - 5790

Career and Technical Education Student Organization (CTSO)

South Carolina SkillsUSA [SkillsUSA]

Certifications/Licenses

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)

63 - Occupational Safety and Health Administration (OSHA) (CCR)

55 - South Carolina Nail Technology License (CCR)

A68 - S/P2 Cosmetology

A85 - The Southwest Airlines Professional Communications Certification

CCR - College and Career Ready

HUMAN SERVICES
National Pathway – Personal-Care Services
South Carolina Pathway –Nail Technology
CIP Code 120410

Nontraditional – Males

Labor Market Information 2021-2031

National: Nail Technology

Median Wages: \$14.05 per hour \$29,210 annually

Education Level: Postsecondary non-degree award

High Skill

Projected Growth Rate: 22% (Much faster than average) **In Demand**

Data Source: Occupational Outlook Handbook [NT]

Careers requiring specialized training

Buyer for department stores or salons
 Department store product demonstration
 Nail care product sales

Careers requiring specialized licensure

Entrepreneur
 Manicurist
 Pedicurist
 Artificial nail application specialist
 Nail enhancement specialist

Careers requiring training beyond specialized licensure

Nail technology journalist
 Nail technology instructor
 Examiner
 Inspector

SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certification Code

EG
 AT
 BP+

Acceptable Certification and Mandatory Attendant Training

Nail Technology
 Cosmetology
 Barbering plus Nail Technology

What Manicurists and Pedicurists Do

Manicurists and pedicurists clean, shape, and beautify fingernails and toenails.

Work Environment

Manicurists and pedicurists usually work in a nail salon, spa, or hair salon. The job involves a lot of sitting. Those who own a mobile grooming company travel to their clients' locations.

How to Become a Manicurist or Pedicurist

Manicurists and pedicurists must complete a state-approved cosmetology or nail technician program and then pass a state exam for licensure, which all states except Connecticut require.

HUMAN SERVICES
National Pathway – Family and Community and Consumer Services
South Carolina Pathway –Family Systems & Mental Health
CIP Code 190704

Family Systems & Mental Health is a program that focuses on the family as a social unit in its developmental, dynamic, comparative, and structural aspects, and the significance of the family as a system that impacts individuals and society. Includes instruction in related principles of sociology, psychology, behavioral sciences, and the humanities.

A minimum of **four credits** are required to be a completer.

Required/Concentrator Courses
At least two courses required:

Child Development 1
5800
Mental Health Fitness
6108

Plus one or more of the following, if needed

Dual Enrollment Teacher Cadet: Educational Psychology (CTE Completer, only)*
Dual Enrollment Teacher Cadet: Experiencing Education (CTE completer, only)*
Early Childhood Education 1*
Family and Consumer Sciences 1*
Family Life Education*
Human Development: Responsible Life Choices*
Introduction to Early Childhood Education*
Introduction to Teaching 1*
IT Fundamentals
Parenting Education*
Family and Consumer Sciences Internship, work-based credit, 5890

Standards: [HSFCS]
Work-based Learning: [WBL]
Equipment List: [EqL]

Career and Technical Education Student Organizations (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certif. Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)
NC+	Any high school certification plus additional courses or training approved by the Office of Career and Technical Education.

HUMAN SERVICES
National Pathway – Family and Community and Consumer Services
South Carolina Pathway –Family Systems & Mental Health
CIP Code 190704

National Certifications

A78 - Career Preparedness

71 - Family and Community Services

418 – First Aid

A94 – Microburst EmployABILITY Soft Skills Certification (CCR)

63 – OSHA 10 (CCR)

385 – PE: Child Development

386 – PE: Interpersonal Relationships

469 – School Mental Health Certification

470 – Student Mental Health and Suicide Prevention

471 – tMHFA

CCR- College and Career Ready

Labor Market Information 2020 – 2030

National	Counseling Careers	Social Work Careers	Psychology Careers
Median Pay	\$58,120 per year (High Wage)	\$51,760 per year (High Wage)	\$82180 (High Wage)
Education Level	Bachelor's Degree (High Skill)	Bachelor's Degree (High Skill)	Master's Degree (High Skill)
Job Outlook	11% (faster than average) (In Demand)	12% (faster than average)	8% (as fast as average)
	[SchCon]	[SocW]	[Psy]

Career Options: *Careers listed below are a small sampling of the career options that are available.*

	Bachelor's Degree	Master's Degree	Doctoral or professional degree
HUMAN SERVICES CAREERS	Family and consumer sciences teacher Mental health counselor School and community service manager Social worker Substance abuse counselor Training and development specialist	Education administrator School counselor Marriage and family therapist Rehabilitation counselor Postsecondary family and consumer sciences instructor	Postsecondary family and consumer sciences professor Postsecondary professor Psychologist Superintendent

HUMAN SERVICES
National Pathway – Family and Community and Consumer Services
SOUTH CAROLINA PATHWAY –FAMILY AND CONSUMER SCIENCES
CIP CODE 190101

What School and Career Counselors and Advisors Do

School counselors help students develop academic and social skills. Career counselors and advisors help people choose a path to employment.

Work Environment

School counselors work in public and private schools. Career counselors and advisors are employed primarily in colleges and universities but also work in career centers and private practice. Both types of counselors usually work full time.

How to Become a School or Career Counselor or Advisor

Most school counselors need a master's degree in school counseling or a related field and have a state-issued credential. Some states require licensure for career counselors and advisors.

What Social Workers Do

Social workers help people solve and cope with problems in their everyday lives.

Work Environment

Social workers work in a variety of settings, including mental health clinics, schools, child welfare and human service agencies, hospitals, settlement houses, community development corporations, and private practices. They generally work full time and may need to work evenings, weekends, and holidays.

How to Become a Social Worker

Although some social workers only need a bachelor's degree in social work, clinical social workers must have a master's degree and 2 years of post-master's experience in a supervised clinical setting. Clinical social workers must also be licensed in the state in which they practice.

What Psychologists Do

Psychologists study cognitive, emotional, and social processes and behavior by observing, interpreting, and recording how individuals relate to one another and to their environments.

Work Environment

Some psychologists work independently, conducting research, consulting with clients, or working with patients. Others work as part of a healthcare team, collaborating with physicians and social workers, or in school settings, working with students, teachers, parents, and other educators. Those in private practice often work evenings and weekends to accommodate clients.

How to Become a Psychologist

Although psychologists typically need a doctoral degree in psychology, a master's degree is sufficient for some positions. Most psychologists also need a license.

HUMAN SERVICES
National Pathway – Family and Community and Consumer Services
South Carolina Pathway –Family and Consumer Sciences
CIP Code 190101



Family and Consumer Sciences is a comprehensive program that focuses on family and consumer sciences concepts and principles at the foundational career levels and the various potential career paths open to interested students. The program consists of 10 two-level courses that include basic human developmental and behavioral characteristics of the individual within the context of the family; core knowledge and skills to apply basic art elements and principles of design used in fashion or interior design; and, nutrition and wellness concepts and practices.

Note: Program completers in Family and Consumer Sciences must select courses that show a clear path to a career and be able to complete an approved assessment successfully. A minimum of **three credits** are required to be a completer.

Required/Concentrator Courses
At least two courses required:

Child Development 1	5800
Child Development 2	5801
Family and Consumer Sciences 1	5808
Family and Consumer Sciences 2	5809
Family Life Education	5820
<i>Family Life Education 2</i>	5821
Fashion, Fabric, and Design 1	5804
Fashion, Fabric, and Design 2	5805
Financial Fitness	5812
<i>Financial Fitness 2</i>	5813
Foods and Nutrition 1	5824
Foods and Nutrition 2	5825
Housing and Interiors 1	5830
Housing and Interiors 2	5831
Human Dev: Responsible Life Choices	5834
<i>Human Dev: Responsible Life Choices 2</i>	5835
Mental Health Fitness	6108
Parenting Education	5816
<i>Parenting Education 2</i>	5817
Nutrition and Wellness	5759
Sports Nutrition	5760

Phasing Out – June 30, 2024

Note: Personal Finance or Financial Fitness will count as a part of the completer program.

Plus one or more of the following, if needed

Culinary Arts Management 1*
Dual Enrollment Teacher Cadet: Educational Psychology (CTE Completer, only)*
Dual Enrollment Teacher Cadet: Experiencing Education (CTE completer, only)*
Early Childhood Education 1*
Entrepreneurship
Fashion Design and Apparel Construction 1*
Food Science 1*
Interior Design 1*
Introduction to Culinary Arts Management*
Introduction to Early Childhood Education
Introduction to Hospitality and Tourism Management*
Introduction to Teaching 1*
Personal Finance
Safety and Sanitation*
Family and Consumer Sciences Internship, work-based credit, 5890

Standards: [HSFCS]

Work-based Learning: [WBL]

Equipment List: [EqL]

Career and Technical Education Student Organizations (CTSO)

SC Family, Career, and Community Leaders of America [SCFCCLA]

HUMAN SERVICES
National Pathway – Family and Community and Consumer Services
South Carolina Pathway –Family and Consumer Sciences
CIP Code 190101



SCDE Teacher Certification

Required Credentials for Professional Staff Members [RCPSM]

Certif. Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)
NC+	Any high school certification plus additional courses or training approved by the Office of Career and Technical Education.

National Certifications

66 - <u>Broad Field Family and Consumer Sciences</u> (CCR)	74 - <u>Nutrition, Food, and Wellness</u> (CCR)
A78 - <u>Career Preparedness</u>	63 - <u>OSHA 10</u> (CCR)
71 - <u>Family and Community Services</u>	385 – <u>PE: Child Development</u>
A30 - <u>Financial Literacy</u>	386 – <u>PE: Interpersonal Relationships</u>
418 – <u>First Aid</u>	408 - <u>PE - Nutrition and Wellness</u>
361 – <u>Food Safety Manager Certification</u> (CCR)	68 - <u>Personal and Family Finance</u>
360 - <u>HACCP Food Handler</u> (CCR)	49 - <u>ServSafe® Food Handler</u> (CCR)
75 - <u>Housing and Furnishing</u>	A15 - <u>ServSafe® Manager</u> (CCR)
A94 - <u>Microburst EmployABILITY Soft Skills Certification</u> (CCR)	

CCR- College and Career Ready

Labor Market Information 2020 – 2030

National	Nutrition Careers	Fashion Careers	Interior Design Careers	Postsecondary Teacher Careers
Median Pay	\$63,090 (High Wage)	\$75,810 (High Wage)	\$57,060 (High Wage)	\$80,560 (High Wage)
Education Level	Bachelor's Degree (High Skill)	Bachelor's Degree (High Skill)	Bachelor's Degree (High Skill)	Master's Degree (High Skill)
Job Outlook	11% (faster than average) (In Demand) [Nutr]	1% (little or no change) [Fash]	4% (little or no change) [IntD]	12% (faster than average) [PostSec]

HUMAN SERVICES
National Pathway – Family and Community and Consumer Services
SOUTH CAROLINA PATHWAY –FAMILY AND CONSUMER SCIENCES
CIP CODE 190101



What Dietitians and Nutritionists Do

Dietitians and nutritionists advise people on what to eat in order to lead a healthy lifestyle or achieve a specific health-related goal

Work Environment

Dietitians and nutritionists work in many settings, including hospitals, nursing homes, clinics, cafeterias, and for state and local governments.

How to Become a Dietitian or Nutritionist

Dietitians and nutritionists typically need a bachelor's degree, along with supervised training through an internship. Many states require dietitians and nutritionists to be licensed.

What Fashion Designers Do

Fashion designers create clothing, accessories, and footwear.

Work Environment

Fashion designers work in wholesale or manufacturing establishments, apparel companies, retailers, theater or dance companies, and design firms. Most fashion designers work in New York and California.

How to Become a Fashion Designer

Most fashion designers have a bachelor's degree in a related field, such as fashion design or fashion merchandising. Employers usually seek applicants who are creative and who have technical knowledge of the production processes for clothing, accessories, or footwear.

What Interior Designers Do

Interior designers make indoor spaces functional, safe, and beautiful by determining space requirements and selecting essential and decorative items.

Work Environment

Many interior designers work in specialized design services or in architectural, engineering, and related services.

How to Become an Interior Designer

Interior designers usually need a bachelor's degree with a focus on interior design.

What Postsecondary Teachers Do

Postsecondary teachers instruct students in a wide variety of academic and technical subjects beyond the high school level.

Work Environment

Most postsecondary teachers work in public and private colleges and universities, professional schools, and junior or community colleges. Outside of class time, their schedules are generally flexible, and they may spend that time in administrative duties, advising students, and conducting research.

How to Become a Postsecondary Teacher

Educational requirements vary by subject and the type of educational institution. Typically, postsecondary teachers must have a Ph.D. However, a master's degree may be enough for some postsecondary teachers at community colleges, and others may need work experience in their field of expertise.

HUMAN SERVICES
National Pathway – Family and Community and Consumer Services
South Carolina Pathway –Family And Consumer Sciences
CIP Code 190101



Career Options: *Careers listed below are a small sampling of the career options that are available.*

BEHAVIORAL AND SOCIAL CAREERS	Bachelor's Degree	Master's Degree	Doctoral or professional degree
	Family and consumer sciences teacher Health educator Social worker Substance abuse counselor Teacher	Education administrator Guidance counselor Mental health counselor Postsecondary family and consumer sciences instructor	Postsecondary family and consumer sciences professor Postsecondary professor Psychologist Superintendent
DESIGN CAREERS	Occupations requiring less than a Baccalaureate Degree	Occupations Requiring Baccalaureate Degree	Occupations requiring more than a Baccalaureate Degree
	Costume attendant Demonstrators Entrepreneur Interior decorator Seamstress/Tailor	Apparel/Costume designer Decorating consultant Family and consumer sciences teacher Field merchandising representative	Interior design coordinator Interior design professors Landscape architects Civil drafters Commercial designers
NUTRITION CAREERS	Occupations requiring less than a Baccalaureate Degree	Occupations Requiring Baccalaureate Degree	Occupations requiring more than a Baccalaureate Degree
	Dietary manager Food service worker Health club worker Nutritionist	Biochemist Food scientist Health educators	Allergist/Immunologist Holistic nutrition Nutrition professor Registered dietitian

SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS

National Pathway – Science and Mathematics

South Carolina Pathway –Food Science

CIP Code 190501



Nontraditional – Males

Food Science is the study of the physical, biological, and chemical makeup of food. It draws from many disciplines in an attempt to better understand food processes and ultimately improve food products for the general public. Food technology applies food science principles for the selection, preservation, processing, packaging, distribution, and use of safe food.

(Minimum of **three** credits required to be a completer.)

Required Courses (Concentrator Courses)

Food Science 1 - 5757

Food Science 2 - 5758

Course Standards [\[FdSci\]](#)

Work-based Learning: [\[WBL\]](#)

Equipment List [\[EqL\]](#)

Plus one or more of the following, if needed

Culinary Arts Management 1*

Foods and Nutrition 1*

Foods and Nutrition 2

Food Processing*

Introduction to Culinary Arts Management*

IT Fundamentals

Nutrition and Wellness*

Sports Nutrition*

Science, Technology, Engineering, and
Mathematics Internship, work-based credit – 6890

Career and Technical Education Student Organizations (CTSO)

SC Family, Career, and Community Leaders of America [\[SCFCCCLA\]](#)

Labor Market Information 2018-2028

National:

Median Wages: \$68,970 annually

Education Level: High School Diploma or equivalent

Projected Growth Rate: 6%

High Wage

High Skill

In Demand

Data Source: Occupational Outlook Handbook [\[FdSci\]](#)

SCDE Teacher Certification

Required Credentials for Professional Staff Members [\[RCPSM\]](#)

Certification Code

Acceptable Certification and
Mandatory Attendant Training

35

Family and Consumer Sciences

SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS

National Pathway – Science and Mathematics

South Carolina Pathway –Food Science

CIP Code 190501



Nontraditional – Males

National Certifications

A79 - Food Safety and Science Certification

76 - Food Science Fundamentals Assessment/Certification (CCR)

360 - HACCP (CCR)

A94 - Microburst EmployABILITY Soft Skills Certification (CCR)

63 - OSHA 10 (CCR)

49 - ServSafe® Food Handler Certification (CCR)

A15 - ServSafe® Manager (CCR)

CCR- College and Career Ready

Career Options: *Careers listed are a small sampling of the available career options.*

Occupations requiring less than a Baccalaureate Degree	Occupations Requiring Baccalaureate Degree	Occupations requiring more than a Baccalaureate Degree
Food inspector assistant Food product technician Packaging manager Product grader Sales and service manager	Dietician Food scientist Organic chemist Product developer Research Technician	Food chemist and biochemist Food microbiologist Food science professor Research scientist Sensory analyst

What Food Scientists Do

A food scientists use chemistry, microbiology, engineering, and other sciences to study the principles underlying the processing and deterioration of foods; analyze food content to determine levels of vitamins, fat, sugar, and protein; discover new food sources; research ways to make processed foods safe, palatable, and healthful; and apply food science knowledge to determine best ways to process, package, preserve, store, and distribute food.

Work Environment

Food scientists and technologists' work environment varies according to the type of employer and specialty. Food scientists work in colleges and universities, food production companies, and in scientific research and development. They divide their time between laboratories, offices, in test kitchens and when needed visits to farms and processing plants.

How to Become a Food Scientist

A food scientist usually requires a bachelor's degree from an accredited college or university because they use chemistry, microbiology, and engineering to analyze the principles of food deterioration and processing and the food's vitamin, protein, sugar, and fat content.

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