



DIVISION OF COLLEGE AND CAREER READINESS

HUMAN SERVICES/FAMILY AND CONSUMER SCIENCES PROGRAM OF STUDY 2015-2016



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

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HUMAN SERVICES CLUSTER
Family and Consumer Sciences (FACS)
Exploratory and Introductory Programs



Course Descriptions

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

Introduction to Family and Consumer Sciences 1 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 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.

Course Title	Course Code	Grade	Career and Technology Student Organization (CTS0)
Exploratory Family and Consumer Sciences	1858	6 th	 Family, Career, and Community Leaders of America (FCCLA) www.fcclainc.org/
Introduction to Family and Consumer Sciences 1	2857	7 th	
Introduction to Family and Consumer Sciences 2	2858	8 th	

High School Credit Option:

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

Recommended Courses: Child Development 1, Family and Consumer Sciences 1, Foods and Nutrition 1, Sports Nutrition 1, Fashion, Fabric, and Design 1, or Housing and Interiors 1

Regulation 43-232: High School Credit

When approved by the principal and the parents, a student promoted to the seventh or eighth grade may take units of ninth grade or higher work for high school credit.

Regulation 43-234: Provisions for Awarding High School Credit

B. A school may award one unit of credit for an academic standards-based course that requires a minimum of 120 hours of instruction.

Standards, Student Profile, Course Syllabus

<http://ed.sc.gov/agency/programs-services/148/HumanServices.cfm>

Certification Title/Agency



Teen Babysitting Class

American Heart Association

<http://thehealthsourceatkidsake.com/teenbabysittingclass.aspx>

Infant/Child CPR and Babysitting

American Red Cross

http://www.redcross.org/courses/index.jsp?_requestid=568036

ServSafe® Foodhandlers Certification

South Carolina Restaurant and Lodging Association

<http://www.servsafe.com/ss/foodhandler/>

Teacher Licensure

<http://ed.sc.gov/agency/programs-services/112/>

Certif. Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)

Career Options

Careers listed below are a small sampling of the career options that are available.

High School Education	Two-year Postsecondary Education	Four-Year or Post-Graduate Education
Baker helper	Chef	Agriculture, food & natural resources career
Banquet set-up employee	Child day care supervisor	Architecture and construction career
Child day care provider	Entrepreneurship	Arts, A/V technology, and communications career
Entrepreneurship	Fashion buyer	Business, management, and administration career
Fashion design assistant	Leisure activities coordinator	Education and training career
Product packager	Packaging manager	Family and consumer sciences career
	Resort supervisor	Hospitality and tourism career
		Health sciences career
		Human services career
		Information technology career
		Manufacturing career
		Marketing, sales, and service career
		Science, technology, engineering and mathematics career

South Carolina Program: FASHION DESIGN AND APPAREL CONSTRUCTION

<p>Program Description 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.</p>								
<p>Required Courses (Minimum of four credits required to be a completer.)</p> <p>CIP Code: 500407</p> <p>Fashion Design and Apparel Construction 1 - 5710</p> <p>Fashion Design and Apparel Construction 2 – 5711</p>	<p>Recommended Electives</p> <p>Entrepreneurship</p> <p>Family and Consumer Sciences 1, 2</p> <p>Fashion, Fabric, and Design 1, 2</p> <p>Fashion Merchandising</p> <p>Financial Fitness 1, 2</p> <p>Integrated Business Applications 1</p> <p>Marketing Management</p> <p>Mechanical Design 1</p> <p>Web Page Design and Development 1</p> <p>Arts, A/V Technology, & Communications, work-based credit - 5290</p>	<p>Certification Title/Agency</p> <p>Fashion, Textiles, and Apparel Assessment/Certification </p> <p>http://www.aafcs.org/CredentialingCenter/fashion_textiles_apparel.asp</p> <hr/> <p> Career and Technology Student Organization (CTSO)</p> <p>Family, Career, and Community Leaders of America (FCCLA) www.fcclainc.org/</p>						
<p>Teacher Licensure http://ed.sc.gov/agency/programs-services/112/</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;">Certif. Code</td> <td style="padding: 5px;">Acceptable Certification and Mandatory Attendant Training</td> </tr> <tr> <td style="padding: 5px; text-align: center;">35</td> <td style="padding: 5px;">Family and Consumer Sciences (Home Economics)</td> </tr> <tr> <td style="padding: 5px; text-align: center;">50+</td> <td style="padding: 5px;">Art plus additional courses or training approved by the Office of Career and Technology Education</td> </tr> </table>		Certif. 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	<p> Labor Market Information 2012-2022</p> <p><u>NATIONAL</u></p> <p>Median Salary: \$30.65 hourly, \$63,760 annually (High Wage)</p> <p>Education Level: Associate’s degree (High Skill)</p> <p>Projected Growth Rate: Decline (-3% or lower)</p> <p>www.online.onetcenter.org/link/summary/19-1012.00</p>
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<p><u>Standards, Student Profile, Course Syllabus</u></p> <p>http://ed.sc.gov/agency/programs-services/148/ArtsAVTechnologyandCommunications.cfm</p>								
<p>Career Options Careers listed below are a small sampling of the career options that are available.</p>								
<p>Some College, no Degree</p> <p>Custom tailor assistant Entrepreneur Fashion buyer Fashion illustrator Merchandise displayer Sewing room supervisor</p>	<p>Associate’s Degree</p> <p>Alterations specialist Customer assistant Draper Entrepreneur Fashion design assistant Sales associate Visual displayer</p>	<p>Bachelor’s Degree</p> <p>Costume or fashion designer Custom tailor Fashion designer Fashion illustrator Fashion journalist Product developer Textile scientist</p>						

ARTS, A/V TECHNOLOGY, & COMMUNICATIONS CLUSTER



National Pathway – Visual Arts South Carolina Program: INTERIOR DESIGN



<p>Program Description 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.</p>								
<p>Required Courses (Minimum of four credits required to be a completer.)</p> <p>CIP Code: 500408</p> <p>Interior Design 1 – 5455</p> <p>Interior Design 2 – 5456</p>	<p>Recommended Electives</p> <p>Entrepreneurship</p> <p>Family and Consumer Sciences 1, 2</p> <p>Housing and Interiors 1, 2</p> <p>Integrated Business Applications 1</p> <p>Marketing Management</p> <p>Mechanical Design 1</p> <p>Web Page Design and Development 1</p> <p>Arts, A/V Technology, & Communications, work-based credit - 5290</p>	<p>Certification Title/Agency</p> <div style="text-align: right;">  </div> <p>Interior Design Fundamentals Assessment/Certification</p> <p>http://www.aafcs.org/CredentialingCenter/interior_design_fundamentals.asp</p> <hr/> <div style="text-align: center;">  <p>Career and Technology Student Organization (CTSO)</p> <p>Family, Career, and Community Leaders of America (FCCLA) www.fcclainc.org/</p> </div>						
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<p>Career Options Careers listed below are a small sampling of the career options that are available.</p>								
<p>High School Diploma</p>	<p>Associate’s Degree</p>	<p>Bachelor’s Degree</p>						
<p>Cabinetmaker Drapery seamstress Interior design assistant Furnishing sales associate Furnishing installer Painter Showroom assistant Wallpaper installer</p>	<p>Commercial/Residential and Home furnishing coordinator Display designer Photo stylist Furnishing buyer Drapery/Upholstery estimator Restoration supervisor</p>	<p>Interior designer:</p> <ul style="list-style-type: none"> Commercial Corporate Entertainment Healthcare Industrial Institutional Residential Retail Transportation 						



EDUCATION AND TRAINING CLUSTER
National Pathway – Education & Training
South Carolina Program: EARLY CHILDHOOD EDUCATION



<p>Program Description The Career and Technology Education Early Childhood Education program prepares individuals to teach students ranging in age from infancy through eight years (grade three). The program also 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.</p>								
<p>Required Courses (Minimum of four credits required to be a completer.)</p> <p>CIP Code: 131210</p> <p>Early Childhood Education 1 - 5700 Early Childhood Education 2 – 5701</p> <p>(Nontraditional –Males)</p>	<p>Recommended Electives</p> <p>Child Development 1, 2</p> <p>Entrepreneurship</p> <p>Family Life Education 1, 2</p> <p>Foods and Nutrition 1, 2</p> <p>Integrated Business Applications 1</p> <p>Intro.to Early Childhood Ed.</p> <p>Introduction to Teaching 1</p> <p>Introduction to Health Science (phasing out 2016)</p> <p>Parenting Education 1, 2</p> <p>Teacher Cadet – CATE Course Code – 5705</p> <p>Web Page Design and Development 1</p> <p>Education and Training, work-based credit - 6390</p>	<p>Certification Title/Agency</p>  <p>SC Early Childhood Credential (ECD 101) http://sc-ccccd.net/Credentialing/Credentialing.html</p> <p>Early Childhood Education Assessment/Certification American Association of Family and Consumer Sciences (AAFCS) http://aafcs.org/CredentialingCenter/ece.asp</p> <p>ParaProAssessment http://www.ets.org/parapro/</p> <p>Program Accreditation National Association for the Education of Young Children (NAEYC) http://www.naeyc.org/academy/primary/standardsintro</p>						
<p>Dual Credit/Articulation Possibilities:</p> <p>ECD 101–Introduction to Early Childhood</p> <p>ECD 135-Health, Safety, and Nutrition</p>	<p>Career and Technology Student Organization (CTSO)</p> <p> Family, Career, and Community Leaders of America (FCCLA) www.fcclainc.org/</p> <p> Future Educators Association (FEA) (phasing out) http://teachercadets.com/fea.aspx</p> <p> Educators Rising (effective August 2015) http://www.educatorsrising.org/</p>							
<p>Standards, Student Profile, Course Syllabus</p> <p>http://ed.sc.gov/agency/programs-services/148/EducationandTraining.cfm</p>								
<p>Labor Market Information 2012-2022</p> <p>NATIONAL Median Salary: \$53,590 annually (High Wage)</p> <p>Education Level: Bachelor’s degree (High Skill)</p> <p>Projected Growth Rate: Average (8% to 14%) http://www.onetonline.org/link/summary/25-2021.00</p>	<p>Teacher Licensure http://ed.sc.gov/agency/programs-services/112/</p> <table border="0"> <tr> <td>Certif. Code</td> <td>Acceptable Certification and Mandatory Attendant Training</td> </tr> <tr> <td>35</td> <td>Family and Consumer Sciences (Home Economics)</td> </tr> <tr> <td>85+</td> <td>Early Childhood plus 12 additional semester hours approved by the OCTE</td> </tr> </table>		Certif. Code	Acceptable Certification and Mandatory Attendant Training	35	Family and Consumer Sciences (Home Economics)	85+	Early Childhood plus 12 additional semester hours approved by the OCTE
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<p>Careers requiring less than a Baccalaureate Degree</p> <p>Child care worker Early childhood aide Group worker and assistant Nanny</p>	<p>Careers Requiring Baccalaureate Degree</p> <p>Child care director Coach Physical trainer Teacher</p>	<p>Careers requiring more than a Baccalaureate Degree</p> <p>Child psychologist College/University faculty Guidance counselor Speech therapist</p>						



EDUCATION AND TRAINING CLUSTER
National Pathway – Education & Training
South Carolina Program: INTRODUCTION TO TEACHING



<p>Program Description This program 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.</p>																
<p>Required Courses (Minimum of four credits required to be a completer.)</p> <p>CIP Code: 130101</p> <p>Introduction to Teaching 1 - 5703</p> <p>Introduction to Teaching 2 – 5704</p>		<p>Certification Title/Agency</p>  <p>Education Fundamentals Assessment/Certification http://www.aafcs.org/CredentialingCenter/education_fundamentals.asp</p> <p>ParaPro Assessment http://www.ets.org/parapro/</p>														
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<p>Labor Market Information 2012-2022</p> <p><u>NATIONAL</u> Median Salary: \$55,120 annually (High Wage)</p> <p>Education Level: Bachelor's degree (High Skill)</p> <p>Projected Growth Rate: Slower than average (3% to 7%)</p> <p>http://www.onetonline.org/link/summary/25-2032.00</p>																
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HOSPITALITY AND TOURISM CLUSTER

National Pathway – Restaurant Food and Beverage Services

South Carolina Program: CULINARY ARTS



<p>Program Description Culinary Arts 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.</p>								
<p>Required Courses (Minimum of four credits required to be a completer.)</p> <p>CIP Code: 520905</p> <p>Culinary Arts 1 - 5720</p> <p>Culinary Arts 2 – 5721 and/or Baking & Pastry – 5723</p>	<p>Recommended Electives</p> <p>Accounting 1</p> <p>Entrepreneurship</p> <p>Foods and Nutrition 1, 2</p> <p>Hospitality Management and Operations 1</p> <p>Integrated Business Applications 1</p> <p>Introduction to Culinary Arts</p> <p>Introduction to Hospitality Management and Operations</p> <p>Sports Nutrition 1, 2</p> <p>Web Page Design and Development 1</p> <p>Hospitality and Tourism, work based credit – 5190</p>	<p>Certification Title/Agency</p> <p> ServSafe® Food Handler Certification http://www.servsafe.com/catalog/productlist.aspx?SCID=22&RCID=21</p> <p>ServSafe® Manager Certification http://www.servsafe.com/manager/food-safety-training-and-certification</p> <p>Certified Junior Culinarian Secondary Culinary Graduate http://www.acfchefs.org/download/documents/Accreditation/cjc_graduate.pdf</p> <p>Culinary Assessment/Certification http://www.aafcs.org/CredentialingCenter/culinary.asp</p> <p>ProStart Certification SC Restaurant and Lodging Association www.goprostart.com</p> <p>PENDING: <i>NOCTI Retail Commercial Baking Assessment</i> http://www.nocti.org/CertificateProgram-ACF.cfm</p> <p>Cooking and Baking Exam http://www.servsafe.com/ss/culinary</p>						
<p>Dual Credit/Articulation Check with individual teachers/schools to determine scholarship and dual credit/articulation availability.</p> <p>HOS 155 Hospitality Sanitation ServSafe® Manager Certification</p>	<p>Teacher Licensure http://ed.sc.gov/agency/programs-services/112/</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; padding: 5px;">Certif. Code</td> <td style="padding: 5px;">Acceptable Certification and Mandatory Attendant Training</td> </tr> <tr> <td style="padding: 5px;">AQ</td> <td style="padding: 5px;">Culinary Arts</td> </tr> <tr> <td style="padding: 5px;">35+</td> <td style="padding: 5px;">Family and Consumer Sciences (Home Economics)</td> </tr> </table> <p>plus additional courses or training approved by the Office of Career and Technology Education.</p>		Certif. Code	Acceptable Certification and Mandatory Attendant Training	AQ	Culinary Arts	35+	Family and Consumer Sciences (Home Economics)
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35+	Family and Consumer Sciences (Home Economics)							
<p>Standards, Student Profile, Course Syllabus</p> <p>http://ed.sc.gov/agency/programs-services/148/HospitalityandTourismCourseStandards.cfm</p>	<p> Labor Market Information 2012-2022</p> <p><u>NATIONAL</u></p> <p>Median Salary: \$23.12 hourly, \$48,080 annually (High Wage)</p> <p>Education Level: Associate’s degree (High Skill)</p> <p>Projected Growth Rate: Little or no change (-2% to 2%)</p> <p>http://www.onetonline.org/link/summary/11-9051.00</p> <p>Career and Technology Student Organization (CTSO)</p> <p> Family, Career, and Community Leaders of America www.fcclainc.org</p> <p> SkillsUSA www.skillsusa.org/</p>							
<p>Career Options</p> <p>Careers listed below are a small sampling of the career options that are available.</p>								
Entry Level	Skill Level	Management Level						
Banquet server Bus person Host Line cook	Baker Bartender Pastry and Specialty Chefs	Executive chef Maitre d’ Restaurant owner						



HOSPITALITY AND TOURISM CLUSTER



National Pathway – Lodging

South Carolina Program: HOSPITALITY MANAGEMENT AND OPERATIONS

<p>Program Description Hospitality Management and Operations 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.</p>												
<p>Required Courses (Minimum of four credits required to be a completer.)</p> <p>CIP Code: 520904</p> <p>Hospitality Management and Operations 1 – 5476</p> <p>Hospitality Management and Operations 2 - 5477</p>	<p>Recommended Electives</p> <p>Accounting 1</p> <p>Culinary Arts 1</p> <p>Entrepreneurship</p> <p>Foods and Nutrition 1, 2</p> <p>Integrated Business Applications 1</p> <p>Introduction to Culinary Arts</p> <p>Introduction to Hospitality Management and Operations</p> <p>Marketing Management</p> <p>Sports and Entertainment Marketing 1</p> <p>Web Page Design and Development 1</p> <p>Hospitality and Tourism, work based credit – 5190</p>	<p>Certification Title/Agency</p>  <p>ServSafe® Food Handler Certification http://www.servsafe.com/catalog/productlist.aspx?SCID=22&RCD=21</p> <p>ServSafe® Manager Certification http://www.servsafe.com/manager/food-safety-training-and-certification</p> <p>Academy of Hospitality and Tourism National Academy Foundation www.NAF.org</p>										
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<p>Teacher Licensure http://ed.sc.gov/agency/programs-services/112/</p>	<p>Labor Market Information 2012-2022</p>  <p>NATIONAL</p> <p>Median Salary: \$46.36 hourly, \$96,430 annually (High Wage)</p> <p>Education Level: Associate's degree (High Skill)</p> <p>Projected Growth Rate: Average (8% to 14%)</p> <p>http://www.onetonline.org/link/summary/11-1021.00</p>											
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35	Family and Consumer Sciences (Home Economics)											
4B	Business/Marketing/Computer Technology (Business and Marketing Technology)											
47	Business Education*											
<p>Career Options Careers listed below are a small sampling of the career options that are available.</p>												
<p>Entry Level</p> <p>Front desk employee Laundry attendant PBX operator Valet attendant</p>	<p>Skill Level</p> <p>Bell captain Concierge Front desk supervisor Night auditor</p>	<p>Management Level</p> <p>Chief engineer Director of human resources, operations, sales and marketing, food and beverage General, Lodging, Front office manager Owner</p>										



HUMAN SERVICES CLUSTER

National Pathway: Personal-Care Services

South Carolina Program: COSMETOLOGY

<p>Program Description 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.</p>								
<p>Required Hours (1000 hours Cosmetology and 540 hours Academics or 1540 hours required and a minimum of eight credits to be a completer)</p> <p>CIP Code: 120401</p> <p>Cosmetology 1 – 6150 Cosmetology 2 – 6151 Cosmetology 3 – 6152 Cosmetology 4 – 6153</p> <p>(Nontraditional – Males)</p>	<p>Certification Title/Agency</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 80%;"> <p>Cosmetology License</p> <p>South Carolina Department of Labor, Licensing, and Regulation (SCLLR) http://www.llr.state.sc.us/POL/Cosmetology/</p> <p>Professional Credential Services, Inc. https://www.pcshq.com/?page=cosmetologyandbarber,SCcos</p> </div> <div style="width: 15%; text-align: center;">  </div> </div>							
<p>Recommended Elective</p> <p>Human Services, work based credit - 5790</p>	<div style="display: flex; align-items: center;">  <div> <p>Labor Market Information 2012-2022</p> </div> </div> <p><u>NATIONAL</u></p> <p>Median Salary: \$11.12 hourly, \$23,140 annually</p> <p>Education Level: Postsecondary Certificate (High Skill)</p> <p>Projected Growth Rate: Average (8% to 14%) http://www.onetonline.org/link/summary/39-5012.00</p>							
<p>Standards, Student Profile http://ed.sc.gov/agency/programs-services/148/HumanServices.cfm</p>	<p>Career and Technology Education Student Organization (CTSO)</p> <div style="display: flex; align-items: center; justify-content: center;">  <div> <p>SCSkillsUSA http://scskillsusa.org/</p> </div> </div>							
<p>Teacher Licensure http://ed.sc.gov/agency/programs-services/112/</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 20%;">Certif. Code</th> <th style="text-align: left;">Acceptable Certification and Mandatory Attendant Training</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">AT</td> <td>Cosmetology</td> </tr> <tr> <td style="text-align: center;">BP+</td> <td>Barber plus Cosmetology License</td> </tr> </tbody> </table>	Certif. Code	Acceptable Certification and Mandatory Attendant Training	AT	Cosmetology	BP+	Barber plus Cosmetology License		
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AT	Cosmetology							
BP+	Barber plus Cosmetology License							
<p>Career Options Careers listed below are a small sampling of the career options that are available.</p>								
<p>Careers requiring specialized training</p> <p>Beauty business consultant Beauty care marketing Beauty product designer Department store make-up artist Manufacturer sales representative Salon coordinator Shampooer</p>	<p>Careers requiring specialized licensure</p> <p>Entrepreneur Fashion show stylist Hair care specialist Hair color specialist Photo and movie stylist Registered cosmetologist Salon chain manager Skin care specialist</p>	<p>Careers requiring training beyond specialized licensure</p> <p>Beauty magazine writer or editor Cosmetology instructor Cosmetology school owner Director of education Platform artist and educator Research chemist Salon computer expert Trade show director</p>						



HUMAN SERVICES CLUSTER

National Pathway: Personal-Care Services

South Carolina Program: NAIL TECHNOLOGY

<p>Program Description 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.</p>																
<p>Required Hours (300 hours required by SCLLR; 180 hours required for completion by SCDE- A total of 480 Nail Technology hours and a minimum of four credits to be a completer.)</p> <p>CIP Code: 120410</p> <p>Nail Technology 1 – 6154 Nail Technology 2 – 6155 Nail Technology 3 – 6156 Nail Technology 4 – 6157</p> <p>(Nontraditional – Males)</p>	<p>Certification Title/Agency</p> <div style="text-align: right;"></div> <p>Nail Technology License</p> <p>South Carolina Department of Labor, Licensing, and Regulation (SCLLR) http://www.llr.state.sc.us/POL/Cosmetology/</p> <p>Professional Credential Services, Inc. https://www.pcshq.com/?page=cosmetologyandbarber,SCnailtech</p>															
<p>Recommended Elective</p> <p>Human Services, work based credit – 5790</p>	<div style="text-align: center;"></div> <p>Labor Market Information 2012-2022</p> <p><u>NATIONAL</u></p> <p>Median Salary: \$9.30 hourly, \$19,340 annually</p> <p>Education Level: Postsecondary Certificate</p> <p>Projected Growth Rate: Faster than average (15% to 21%) (High Demand)</p> <p>http://www.onetonline.org/link/summary/39-5092.00</p>															
<p>Standards, Student Profile</p> <p>http://ed.sc.gov/agency/programs-services/148/HumanServices.cfm</p>	<p>Career and Technology Education Student Organization (CTSO)</p> <div style="text-align: center;"></div> <p>SCSkillsUSA http://scskillsusa.org/</p>															
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HUMAN SERVICES CLUSTER

National Pathway: Personal-Care Services

South Carolina Program: BARBER/MASTER HAIR CARE

<p>Program Description 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.</p>														
<p>Required Hours (1000 hours Barber/Master Hair Care and 540 hours Academics or 1540 hours required and a minimum of eight credits to be a completer.)</p> <p>CIP Code: 120402</p> <p>Barber 1/Master Hair Care 1 – 6158 Barber 2/Master Hair Care 2 - 6159 Barber 3/Master Hair Care 3 - 6160 Barber 4/Master Hair Care 4 - 6161</p>	<p>Certification Title/Agency</p> <div style="text-align: right;">  </div> <p>South Carolina Department of Labor, Licensing, and Regulation (SCLLR) http://www.llr.state.sc.us/pol/barber/index.asp?file=faq.htm</p> <p>Professional Credential Services, Inc. Registered Barber (no chemicals) https://www.pcshq.com/?page=cosmetologyandbarber_SCbar</p> <p>Master Hair Care (chemicals) https://www.pcshq.com/?page=cosmetologyandbarber_SCmasterhair</p>													
<p>Recommended Elective</p> <p>Human Services, work based credit - 5790</p>	<div style="text-align: center;">  <p>Labor Market Information 2012-2022</p> </div> <p><u>NATIONAL</u></p> <p>Median Salary: \$12.03 hourly, \$25,010 annually</p> <p>Education Level: Postsecondary Certificate</p> <p>Projected Growth Rate: Average (8% to 14%)</p> <p>http://www.onetonline.org/link/summary/39-5011.00</p>													
<p>Standards, Student Profile</p> <p>http://ed.sc.gov/agency/programs-services/148/HumanServices.cfm</p>	<p>Career and Technology Education Student Organization (CTSO)</p> <div style="text-align: center;">  <p>SCSkillsUSA http://scskillsusa.org/</p> </div>													
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HUMAN SERVICES CLUSTER
National Pathway: Personal-Care Services
South Carolina Program: ESTHETICS

<p>Program Description Esthetics prepares individuals to cleanse, depilate, massage, and beautify the human body and to function as licensed estheticians and skin care specialists. Includes instruction in 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 regulation; business practices; and sometimes related alternative healing regimens.</p>								
<p>Required Hours (450 hours required by SCLLR; 150 hours required by SCDE A minimum of five credits required to be a completer.)</p> <p>CIP Code: 120409</p> <p>Esthetics 1 - 6162 Esthetics 2 - 6163 Esthetics 3 - 6164 Esthetics 4 - 6165</p>		<p>Certification Title/Agency</p> <p>Esthetics License </p> <p>South Carolina Department of Labor, Licensing, and Regulation (SCLLR) http://www.llr.state.sc.us/POL/Cosmetology/</p> <p>Professional Credential Services, Inc. https://www.peshq.com/?page=cosmetologyandbarber,SCest</p>						
<p>Recommended Elective</p> <p>Human Services, work based credit - 5790</p>		<p> Labor Market Information 2012-2022</p> <p><u>NATIONAL</u></p> <p>Median Salary: \$13.92 hourly, \$28,940 annually</p> <p>Education Level: Postsecondary Certificate (High Skill)</p> <p>Projected Growth Rate: Much faster than average (22% or higher) (High Demand)</p> <p>http://www.onetonline.org/link/summary/39-5012.00</p>						
<p>Standards, Student Profile</p> <p>http://ed.sc.gov/agency/programs-services/148/HumanServices.cfm</p>								
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Certif. Code	Acceptable Certification and Mandatory Attendant Training							
AT	Cosmetology							
BP+	Barber plus Cosmetology License							
<p align="center">Career Options Careers listed below are a small sampling of the career options that are available.</p>								
<p>Careers requiring specialized training</p> <p>Buyer for department stores or salons Department store skin care product demonstration Skin care product sales</p>	<p>Careers requiring specialized licensure</p> <p>Anti-aging treatment specialist Entrepreneur Esthetician Facial specialist Laser treatment specialist Make-up artist Microdermabrasion specialist Skincare specialist Waxing specialist</p>	<p>Careers requiring training beyond specialized licensure</p> <p>Esthetics journalist Esthetics instructor Examiner Inspector Laser esthetician Medical esthetician Theatre makeup esthetician Permanent make-up tattoo artist Spa esthetician</p>						



HUMAN SERVICES CLUSTER
National Pathways: Family and Community and Consumer Services



South Carolina Program: FAMILY AND CONSUMER SCIENCES

Program Description

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.

All Family and Consumer Sciences courses should be offered for 1.0 unit of credit as of 2009-2010 school year.

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 **four credits** are required to be a completer.

At least two courses required:

Child Development 1, 2	5800	5801
Family and Consumer Sciences 1, 2	5808	5809
Fashion, Fabric, and Design 1, 2	5804	5805
Family Life Education 1, 2	5820	5821
Financial Fitness 1, 2	5812	5813
Foods and Nutrition 1, 2	5824	5825
Housing and Interiors 1, 2	5830	5831
Human Development: Responsible Life Choices 1, 2	5834	5835
Parenting Education 1, 2	5816	5817
Sports Nutrition 1, 2	5759	5760
Family and Consumer Sciences, work-based credit	5890	

Additional approved courses if needed to meet state-recognized program requirements:

- Culinary Arts 1
- Early Childhood Education 1
- Fashion Design and Apparel Construction 1
- Food Science and Dietetics 1
- Interior Design 1
- Introduction to Early Childhood Education
- Introduction to Teaching 1
- Introduction to Culinary Arts

Teacher Licensure

<http://ed.sc.gov/agency/programs-services/112/>

Certif. Code	Acceptable Certification and Mandatory Attendant Training
35	Family and Consumer Sciences (Home Economics)

Standards, Student Profile, Course Syllabus

<http://ed.sc.gov/agency/programs-services/148/HumanServices.cfm>



Career and Technology Student Organization (CTSO)

Family, Career, and Community Leaders of America (FCCLA) www.fcclainc.org/



HUMAN SERVICES CLUSTER
National Pathway: Family and Community Services
South Carolina Program: FAMILY AND CONSUMER SCIENCES (cont.)



 Certification Title/Agency	
<p>Broad Field FCS Assessment/Certification http://www.aafcs.org/CredentialingCenter/Broad_Field.asp</p> <p>Concepts: Interpersonal Relationships, Life Span and Human Development, Family Well-Being, Career Connections, Family and Consumer Resources, Nutrition and Wellness</p>	<p>Housing and Furnishing Assessment/Certification http://www.aafcs.org/CertificationCenter/Housing_andFurnishings.asp</p> <p>Concepts: Careers, Knowledge of Housing and Furnishings Processes, Residential Housing, Furnishings, and Design Concepts, Professional Communication and Marketing, Professional Practices</p>
<p>Family and Community Services http://www.aafcs.org/CredentialingCenter/family_services.asp</p> <p>Concepts: Career and Volunteer Opportunities, Factors Related to Family and Community Services, Professional and Ethical Behaviors, Conditions Affecting Individuals and Families, Services for Individuals and Families</p>	<p>Nutrition, Food, and Wellness Assessment/Certification http://www.aafcs.org/CredentialingCenter/nutrition.asp</p> <p>Concepts: Wellness, Food Handling, Food Safety, Science and Technology, Nutrition Principles, Careers</p>

<p>Personal and Family Finance Assessment/Certification http://www.aafcs.org/CredentialingCenter/finance.asp</p> <p>Concepts: Financial Responsibility and Decision Making, Income and Careers, Planning and Money Management, Credit and Debt, Risk Management and Insurance, Saving and Investing</p>
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Labor Market Information NATIONAL 2012-2022

<p><u>FASHION DESIGN</u></p> <p>Median Salary: \$30.65 hourly, \$63,760 annually (High Wage)</p> <p>Education Level: Associate's degree (High Skill)</p> <p>Projected Growth Rate: Decline (-3% or lower)</p> <p>http://www.onetonline.org/link/summary/27-1022.00</p>	<p><u>INTERIOR DESIGN</u></p> <p>Median Salary: \$23.32 hourly, \$48,500 annually (High Wage)</p> <p>Education Level: Associate's degree (High Skill)</p> <p>Projected Growth Rate: Average (8% to 14%)</p> <p>http://www.onetonline.org/link/summary/27-1025.00</p>
<p><u>NUTRITION</u></p> <p>Median Salary: \$26.88 hourly, \$55,920 annually (High Wage)</p> <p>Education Level: Post-baccalaureate Certificate (High Skill)</p> <p>Projected Growth Rate: Faster than average (15% to 21%) (High Demand)</p> <p>http://www.onetonline.org/link/summary/29-1031.00</p>	<p><u>FAMILY AND CONSUMER SCIENCES POSTSECONDARY</u></p> <p>Median Salary: \$62,740 annually (High Wage)</p> <p>Education Level: Master's degree and higher (High Skill)</p> <p>Projected Growth Rate: Average (8% to 14%)</p> <p>http://www.onetonline.org/link/summary/19-3041.00</p>



HUMAN SERVICES CLUSTER
National Pathway: Family and Community Services
South Carolina Program: FAMILY AND CONSUMER SCIENCES (cont.)



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
FAMILY AND CONSUMER SCIENCES CAREERS	Family and consumer sciences teacher	Education administrator	Postsecondary family and consumer sciences professor
	Health educator	Guidance counselor	Postsecondary professor
	Social worker	Mental health counselor	Psychologist
	Substance abuse counselor	Postsecondary family and consumer sciences instructor	Superintendent
	Occupations requiring less than a Baccalaureate Degree	Occupations Requiring Baccalaureate Degree	Occupations requiring more than a Baccalaureate Degree
FASHION DESIGN AND HOUSING INTERIOR CAREERS	Costume attendant	Apparel designer	Interior design coordinator
	Demonstrators	Costume designer	Interior design professors
	Entrepreneur	Decorating consultant	Landscape architects
	Interior decorator	Entrepreneur	Civil drafters
	Product promoters	Family and consumer sciences teacher	Commercial designers
	Seamstress/Tailor	Field merchandising representative	Industrial designers
	Occupations requiring less than a Baccalaureate Degree	Occupations Requiring Baccalaureate Degree	Occupations requiring more than a Baccalaureate Degree
NUTRITION CAREERS	Dietary manager	Biochemist	Advanced foods and nutrition researcher
	Family and community services worker	Community service worker	Allergist/Immunologist
	Food service worker	Food scientist	Holistic nutrition
	Health club worker	Health educators	Nutrition professor
	Human services specialist/assistant	Human development consultant	
	Nutritionist	Registered dietitian	

SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS CLUSTER



National Pathway – Science and Mathematics South Carolina Program: FOOD SCIENCE AND DIETETICS



Program Description		
<p>Food Science and Dietetics is designed to assist students in learning about the physical and chemical changes that occur during processing, packaging, and preservation of foods. Instruction includes nutritional care and education, the planning and provision of food services, the development of consumable food products, life-span nutrition and wellness, the principles of nutritional assessment, and food safety and food composition. Chemistry, biology, physics, nutrition, and psychology are emphasized throughout the course work. Students engage in scientific inquiry and problem solving by measuring, recording, graphing data, writing lab reports, and predicting and evaluating experimental results.</p>		
<p>Required Courses (Minimum of <u>four credits</u> required to be a completer.)</p> <p>CIP Code: 190501</p> <p>Food Science and Dietetics 1 – 5757</p> <p>Food Science and Dietetics 2 – 5758</p> <p>(Nontraditional – Males)</p>	<p>Certification Title/Agency</p> <div style="text-align: right;"></div> <p>ServSafe® Food Handler Certification http://www.servsafe.com/catalog/productlist.aspx?SCID=22&RCID=21</p> <p>ServSafe® Manager Certification http://www.servsafe.com/manager/food-safety-training-and-certification</p> <p>Food Science Assessment/Certification http://www.aafcs.org/CredentialingCenter/Food_Science_Fundamentals.asp</p>	
Standards, Student Profile, Course Syllabus		
http://ed.sc.gov/agency/programs-services/148/STEM.cfm		
Teacher Licensure		
http://ed.sc.gov/agency/programs-services/112/		
Certif. Code	Acceptable Certification and Mandatory Attendant Training	<p> Career and Technology Student Organization (CTSO)</p> <p>Family, Career, and Community Leaders of America (FCCLA) www.fcclainc.org/</p>
35	Family and Consumer Sciences (Home Economics)	
Recommended Electives		
<p>*Accounting 1 *Child Development 1, 2 Foods and Nutrition 1, 2 Food Processing *Human Development: Responsible Life Choices 1, 2</p>	<p>*Integrated Business Application 1 *Marketing Sports Nutrition 1, 2 Science, Technology, Engineering, and Mathematics work-based credit – 6890</p>	<p> Labor Market Information 2012-2022</p> <p><u>NATIONAL</u></p> <p>Median Salary: \$28.67 hourly, \$59,630 annually (High Wage)</p> <p>Education Level: Bachelor’s degree (High Skill)</p> <p>Projected Growth Rate: Average (8% to 14%)</p> <p>www.online.onetcenter.org/link/summary/19-1012.00</p>
* Special Note: Accounting 1, Child Development 1, Child Development 2, Human Development: Responsible Life Choices 1, Human Development: Responsible Life Choices 2, Integrated Business Application 1, Marketing, and Web Page Design and Development 1 will not be included in the program effective July 2016		
Career Options		
Careers listed below are a small sampling of the career options that are available		
Occupations requiring less than a Baccalaureate Degree	Occupations Requiring Baccalaureate Degree	Occupations requiring more than a Baccalaureate Degree
<p>Food inspector assistant Food product technician Packaging manager Product grader Sales and service manager</p>	<p>Dietician Food scientist Organic chemist Product developer Research Technician</p>	<p>Food microbiologist Food science professor Research and Development director Research scientist</p>

FAMILY AND CONSUMER SCIENCES Professional and Student Organizations



www.acteonline.org/

South Carolina Association of Teachers of
Family and Consumer Sciences (SCATFACS)
<http://scacte.org/>

“SCATFACS NEEDS YOU!”

http://www.scacte.org/division_scatfacs/scatfacs.html

The Association for Career and Technical Education is the largest national education association dedicated to the advancement of education that prepares youth and adults for careers.



<http://www.aafcs.org/membership/benefits.html>

South Carolina Affiliate of the American Association of
Family and Consumer Sciences
<http://scafcs.org/>

“CONNECTING PROFESSIONALS, TOUCHING LIVES”

The mission of the AAFCS is to provide leadership and support for professionals whose work assists individuals, families, and communities in making informed decisions about their well being, relationships, and resources to achieve optimal quality of life.

INTERNATIONAL FEDERATION OF HOME ECONOMICS (IFHE)



<http://www.ifhe.org/>

The International Federation for Home Economics is the only worldwide organization concerned with Home Economics and Consumer Studies. It was founded in 1908 to serve as a platform for international exchange within the field of Home Economics.

FAMILY AND CONSUMER SCIENCES CAREER AND TECHNOLOGY STUDENT ORGANIZATION (CTSO) Family, Careers, and Community Leaders of America (FCCLA)



<http://www.fcclainc.org/>

Family, Career and Community Leaders of America is a nonprofit national career and technical student organization for young men and women in Family and Consumer Sciences education in public and private school through grade 12.

COSMETOLOGIST AND BARBER PROFESSIONAL AND STUDENT ORGANIZATIONS

South Carolina Association of Cosmetology Schools (SCACS) is a non-profit organization that is dedicated to serving its members and the beauty industry. SCACS members attend four regularly scheduled meetings per year in order to handle regular association business, plan seminars and competitions, etc. School Member Representatives are expected to attend all scheduled meetings and work together to meet the objectives of the association.



<http://www.scbautyschools.com/schools.html>



It is the mission of the Association of Cosmetology Salon Professionals to build and perpetuate a membership which exists to promote and support professionalism in the Cosmetology, Esthetics and Nail Industries thereby ensuring Leadership through the highest standards of Legislative Reform, Continued Advanced Education, and changing lives through Community Service Outreach.

<http://www.mycosmetology.org/>

ACTIVE – ASSOCIATION OF COSMETOLOGY TEACHERS IN VOCATIONAL EDUCATION

An association founded in 1978 for Cosmetology, Nail Technology, Esthetics Instructors in the secondary public schools/career centers who are certified through the South Carolina Department of Education. Contact Selena Tomlin selena_sst@yahoo.com or 803-943-4676



Inclusively, this organization was founded on behalf of all licensed barbers in the state of South Carolina for the purpose of bringing together a united net of professional barbers with integrity, loyalty, trustworthiness, to educate and train, to be our brothers' keeper, to donate to special charity of choice annually, to render community service to provide a college scholarship fund for graduating seniors in good standard with an economical financial need and above all, stand for righteousness.

<http://palmettostatebarbersassociation.wordpress.com/>

CAREER AND TECHNOLOGY STUDENT ORGANIZATION (CTSO)

SkillsUSA



<http://www.skillsusa.org/>

<http://scskillsusa.org/>

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel.

Definitions and Websites

CATE Curriculum Standards	Career and Technology Education Curriculum Standards can be found at http://ed.sc.gov/agency/ac/Career-and-Technology-Education/
CIP Code – six digit code	The Classification of Instructional Programs (CIP) code designates the specific CATE program and is used for federal reporting. Every student identified as a concentrator must be assigned a CIP code.
Career Cluster	A career cluster is a grouping of occupations and broad industries based on commonalities. http://www.careertech.org/career-clusters/
Completer	A secondary student with an assigned Classification of Instructional Programs (CIP) code who has earned all of the required units in a state recognized CATE program.
EIA Equipment Monies	EIA Equipment Monies are allocated for grades 9 -12 for equipment priced at \$100.00+.
Education and Economic Development Act	Legislation that organizes curriculum around a career cluster system that must provide students with both strong academics and real-world problem-solving skills. http://ed.sc.gov/agency/ac/Career-and-Technology-Education/EEDA.cfm
Local Plan	The Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV) requires all eligible recipients (districts and multi-district centers) to submit an application (Local Plan) in May of each year outlining the use of federal funds awarded under this law. http://ed.sc.gov/agency/programs-services/137/
Online Job Shadows MicroCareerBursts®	Log in with your SCOIS user name and password. http://microburstlearning.org/
Online Professional Development	http://www.elearningscpd.com/portal/
Perkins IV Terminology	High Demand Criteria: Occupations having at least the median number of total (growth plus replacement) openings for statewide; and employment equal to or greater than 100; and the state’s employment percent change of 16.2%. High Wage Criteria: Occupations paying at least or more than the all-industry, all-ownership mean wage of \$16.04 hourly (\$33,360 annually) for statewide. High Skill Criteria: Those occupations with a minimum educational requirement of an Associate degree or higher.
Quality Review Measures	http://ed.sc.gov/agency/programs-services/162/QualityReviewMeasures.cfm
Renewal Credit Matrix	http://ed.sc.gov/agency/act/se/ec/cert/recert/pdf/matrix_dist_ent.pdf
Required Credentials for Professional Staff	http://ed.sc.gov/agency/programs-services/112/
S. C. Department of Labor, Licensing, and Regulations	
Cosmetology	http://www.llr.state.sc.us/POL/Cosmetology/
Barber Examiners	http://www.llr.state.sc.us/POL/Barber/
South Carolina Licensure Manual	http://ed.sc.gov/agency/se/Educator-Services/Licensure/
State Board of Education Regulations	http://ed.sc.gov/agency/stateboard/
Student Reporting Procedures Manual	The Office of Career and Technology Education’s official guide http://ed.sc.gov/agency/programs-services/152/

Contact:

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Office of Career and Technology Education
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Columbia, SC 29201
803-734-3826 telephone
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eglover@ed.sc.gov
<http://ed.sc.gov/>

<http://ed.sc.gov/agency/ccr/Career-and-Technology-Education/>

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