

Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.

COURSES



LEVEL 1

Principles of Cosmetology Design and Color Theory
Principles of Human Services
Microbiology and Safety for Cosmetology Careers

LEVEL 2

Barbering I
Introduction to Cosmetology

LEVEL 3

Barbering II

LEVEL 4

Entrepreneurship
Practicum in Human Services
Career Preparation I

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Barber Operator License	Barber	Cosmetology/ Cosmetologist, General		
Entrepreneurship and Small Business		Salon/Beauty Salon Management/ Manager		
		Barber/ Styling, and Nail Instructor		
		Aesthetician/ Esthetician and Skin Care Specialist		

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options
for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
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Barbers	\$28,267	348	14%
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WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
American Association of
Family and Consumer
Sciences

Career Preparation:
Job shadow a
cosmetologist
Work part-time at a
beauty salon, spa, or
barbershop

The Barbering program of study introduces students to knowledge and skills related to providing skincare and haircare services. CTE concentrators may learn about or practice managing personal care facilities, providing barbering or skincare services, or other ways to change or enhance a client's personal appearance.



The Human Services Career Cluster® focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Successful completion of the Barbering program of study will fulfill requirements of the Public Service Endorsement.
Program of Study Draft for Public Comment June 2019

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ) RECOMMENDED PREREQUISITES (RPREQ) RECOMMENDED COREQUISITES (CREQ)	GRADE
Principles of Cosmetology Design and Color Theory	13025050	RPREQ: Principles of Human Services	9-10
Principles of Human Services	13024200	None	9-12
Microbiology and Safety for Cosmetology Careers	N1302540	None	9-12
Barbering I	N1302534	None	10-12
Introduction to Cosmetology	13025100	None	10
Barbering II	N1302535	Barbering I	10-12
Entrepreneurship	13034400	RPREQ: Principles of Business, Marketing, and Finance	10-12
Practicum in Human Services	13025000 (2 credits) 13025005 (3 credits)	None	11-12
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE HUMAN SERVICES CAREER CLUSTER, PLEASE CONTACT:

Debbie Wieland | Debbie.Wieland@tea.texas.gov

<https://tea.texas.gov/cte>

COURSES



LEVEL 1

Principles of Cosmetology Design and Color Theory
Principles of Human Services
Microbiology and Safety for Cosmetology Careers

LEVEL 2

Introduction to Cosmetology
Esthetics

LEVEL 3

Cosmetology I/Lab
Nail Care, Enhancements, and Spa Services

LEVEL 4

Cosmetology II/Lab
Entrepreneurship
Practicum in Human Services
Career Preparation I

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Cosmetology Operator License	Certified Aesthetic Laser Operator	Cosmetology/ Cosmetologist, General		
Cosmetology Esthetician Specialty License	Cosmetologist	Aesthetician/ Esthetician and Skin Care Specialist		
Cosmetology Manicurist Specialty License	Certified Spa Supervisor	Salon/Beauty Salon Management/ Manager		
Entrepreneurship and Small Business	Nail Technician/ Specialist and Manicurist	Cosmetology, Barber/Styling , Nail Instructor		

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Hairdressers, Hairstylists, and Cosmetologists	\$21,507	3,489	22%
Skin Care Specialists	\$26,437	637	22%
Manicurists and Pedicurists	\$21,715	418	45%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
American Association of
Family and Consumer
Sciences

Career Prep Activities:
Job shadow a
cosmetologist
Work part-time at a
beauty salon, spa, or
barbershop

The Cosmetology and Personal Care Services program of study introduces students to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.



The Human Services Career Cluster® focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Successful completion of the Cosmetology and Personal Care Services program of study will fulfill requirements of the Public Service Endorsement.

Program of Study Draft for Public Comment June 2019

COURSE INFORMATION

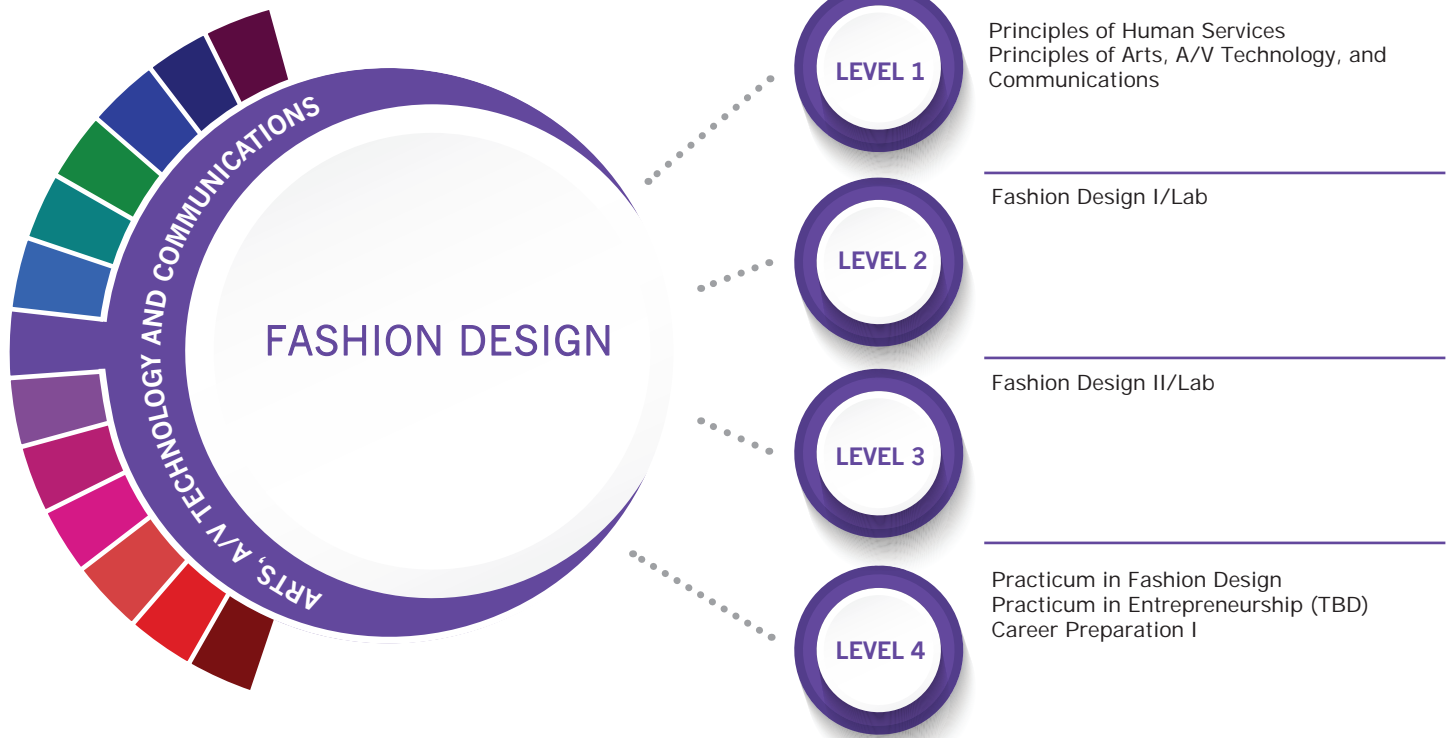
COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ) RECOMMENDED PREREQUISITES (RPREQ) RECOMMENDED COREQUISITIES (CREQ)	GRADE
Principles of Cosmetology Design and Color Theory	13025050	RPREQ: Principles of Human Services	9-10
Principles of Human Services	13024200	None	9-12
Microbiology and Safety for Cosmetology Careers	N1302540	None	9-12
Introduction to Cosmetology	13025100	None	10
Esthetics	N1302533	None	10-12
Cosmetology I/Lab	13025200 (2 credits) 13025210 (3 credits)	RPREQ: Introduction to Cosmetology RCREQ: Cosmetology I Lab	10-11
Nail Care, Enhancements, and Spa Services	N1302531	None	10-12
Cosmetology II/Lab	13025300 (2 credits) 13025310 (3 credits)	PREQ: Cosmetology I RCREQ: Cosmetology II Lab	11-12
Entrepreneurship	13034400	RPREQ: Principles of Business, Marketing, and Finance	10-12
Practicum in Human Services	13025000 (2 credits) 13025005 (3 credits)	None	11-12
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE HUMAN SERVICES CAREER CLUSTER, PLEASE CONTACT:

Debbie Wieland | Debbie.Wieland@tea.texas.gov

<https://tea.texas.gov/cte>

COURSES



HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
		Apparel Design and Product Development		
		Commercial and Industrial Designers		
		Marketing Sales and Service		
*Includes Level I and Level II Certificates				
For more information on postsecondary options for this program of study, visit TXCTE.org.				

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Fashion Designers	\$49,712	62	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
American Association of
Family and Consumer
Sciences

Career Preparation:
Job shadow a fashion
designers.
Work part-time at a

The Fashion Design program of study introduces students to knowledge and skills related to providing fashion design services. CTE concentrators may learn about or practice managing fashion retail companies and coordinating or supervising fashion designers.



The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Successful completion of the Fashion Design program of study will fulfill requirements of a Business and Industry Endorsement.

Program of Study Draft for Public Comment June 2019

COURSE INFORMATION

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**FOR ADDITIONAL INFORMATION ON THE ARTS, AUDIO/VISUAL TECHNOLOGY,
AND COMMUNICATIONS CAREER CLUSTER, PLEASE CONTACT:**

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COURSES

LEVEL 1

Introduction to Unmanned Aerial Vehicles
Introduction to Flight (TBD)

LEVEL 2

Aviation I (TBD)
Unmanned Aerial Vehicles I (TBD)

LEVEL 3

Aerospace Engineering (PLTW)
Aviation II (TBD)
Unmanned Aerial Vehicles II (TBD)

LEVEL 4

Practicum in Aviation (TBD)
Practicum in Entrepreneurship (TBD)
Career Preparation I

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Part 107 Remote Drone Pilot	Commercial Pilots	Airline Pilots, Copilots, and Flight Engineers		

*Includes Level I and II Certificates

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Commercial Pilots	\$86,310	548	3%
Airline Pilots, Copilots, and Flight Engineers	\$135,574	1,150	6%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate in SkillsUSA
Explore virtual aviation
websites

Career Preparation:
Seek part-time work at
an airport, aviation
services agency, or
airline

The Aviation Flight program of study introduces students to the occupations and education opportunities related to understanding the principles and science of flight, aviation engineering, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.



The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Successful completion of the Aviation program of study will fulfill requirements of the Business and Industry Endorsement.
Program of Study Draft for Public Comment June 2019



COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ) RECOMMENDED PREREQUISITES (RPREQ) RECOMMENDED COREQUISITIES (CREQ)	GRADE
Introduction to Unmanned Aerial Vehicles	N1304670	None	10-12
Introduction to Flight	TBD	TBD	TBD
Aviation I	TBD	TBD	TBD
Unmanned Aerial Vehicles I	TBD	TBD	TBD
Aerospace Engineering (PLTW)	N1303745	None	9-12
Aviation II	TBD	TBD	TBD
Unmanned Aerial Vehicles II	TBD	TBD	TBD
Practicum in Aviation	TBD	TBD	TBD
Practicum in Entrepreneurship	TBD	TBD	TBD
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION,
AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT:

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COURSES

LEVEL 1

Principles of Human Services
Principles of Architecture and Construction

LEVEL 2

Interior Design I

LEVEL 3

Interior Design II

LEVEL 4

Practicum in Interior Design
Practicum in Entrepreneurship (TBD)

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Entrepreneurship and Small Business		Interior Design	Interior and Environmental Design	Industrial Design
			Sustainable Design	
			Interior Design	
			Interior Architecture	
For more information on postsecondary options for this program of study, visit TXCTE.org.				

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Interior Designers	\$50,814	541	12%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Shadow an interior
designer
Compete in a design
challenge

CTSOs:
SkillUSA
FCCLA

The Interior Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.



The Architecture and Construction Career Cluster® focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Successful completion of the Construction Design program of study will fulfill requirements of the Business and Industry Endorsement.

Program of Study Draft for Public Comment June 2019

COURSE INFORMATION

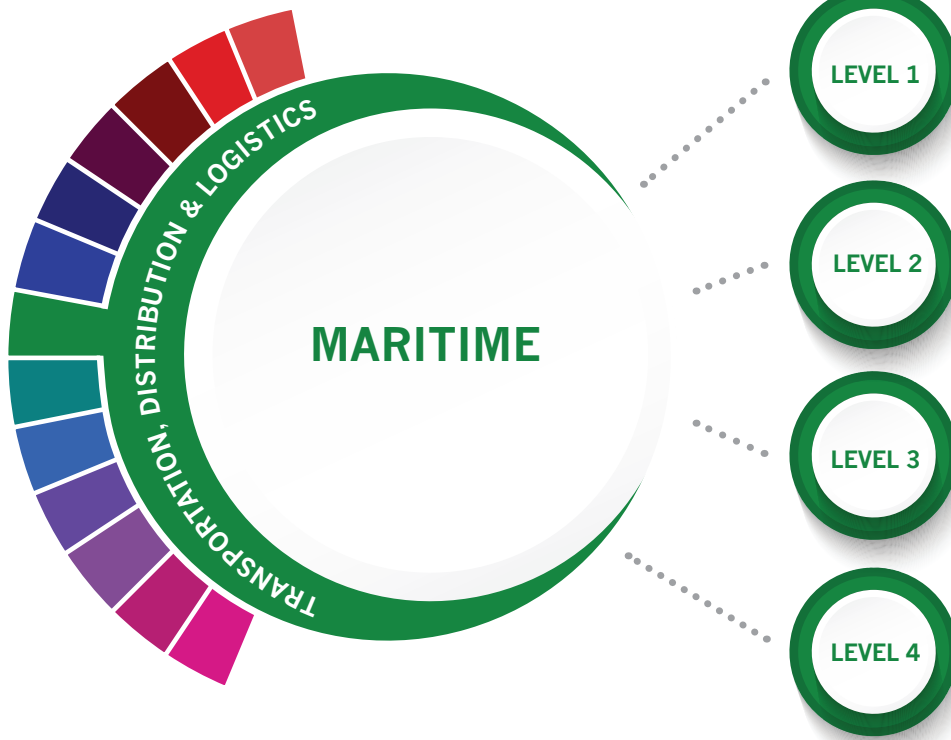
COURSE NAME	SERVICE ID	PRE REQS CO REQS REC REQS	GRADE
Principles of Human Services	13024200	None	9-12
Principles of Architecture and Construction	13004210	None	9-12
Interior Design I	13004300	PREQ: Algebra I and English RPREQ: Principles of Architecture and Principles of Construction or Architectural Design	10-12
Interior Design II	13004400	PREREQ: English II, Geometry, Interior Design I	11-12
Practicum in Interior Design	13004500 (2 credits) 13004505 (3 credits)	Interior Design II	12
Practicum in Entrepreneurship	TBD	TBD	TBD

FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER, PLEASE CONTACT:

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COURSES



Principles of Maritime

LEVEL 1

Maritime Science I

LEVEL 2

Maritime Science II

LEVEL 3

Practicum in Distribution and Logistics
Practicum in Entrepreneurship (TBD)
Career Preparation I

LEVEL 4

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
	Motorboat Operators	Captains, Mates, and Pilots	Marine Transportation	Maritime Resources Management
	Sailors and Marine Oilers		Maritime Transportation	Maritime Administration and Logistics
			Transportation, Storage, and Distribution Managers	
For more information on postsecondary options for this program of study, visit TXCTE.org .				

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Sailors and Marine Oilers	\$41,018	387	8%
Captains, Mates, and Pilots	\$117,686	413	16%
Motorboat Operators	\$44,970	22	16%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate in SkillsUSA

Career Preparation:
Apprenticeships
Internships
Part-time or summer employment

The Maritime program of study introduces students to the occupations and education opportunities related to operating water vessels, maintenance procedures, maritime navigational aids, maritime traffic controls, and communications equipment to ensure conformance with federal safety regulations.



The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Successful completion of the Aviation program of study will fulfill requirements of the Business and Industry Endorsement.
Program of Study Draft for Public Comment June 2019

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ) RECOMMENDED PREREQUISITES (RPREQ) RECOMMENDED COREQUISITIES (CREQ)	GRADE
Principles of Maritime Science	N1304661	None	9-12
Maritime Science I	N1304662	None	9-12
Maritime Science II	N1304663	None	9-12
Practicum in Distribution and Logistics	13040470 (2 credits) 13040475 (3 credits)	None	11-12
Practicum in Entrepreneurship	TBD	TBD	TBD
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION,
AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT:

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