

AGRICULTURE, FOOD, AND NATURAL RESOURCES

Agriculture Business, Leadership, and Communication

Freshman	Principles of Agriculture, Food, and Natural Resources
Sophomore	Agricultural Leadership, Research, and Communications
Junior	Agribusiness Management and Marketing - DC
Senior	Practicum in Agriculture, Food, and Natural Resources #
	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: Entrepreneurship & Small Business / 3 Hours - Tarleton State University

Agricultural Technology & Mechanical Systems

Freshman	Principles of Agriculture, Food, and Natural Resources
Sophomore	Welding I: Ag Mechanics and Metal Technologies - DC
Junior	Welding II: Ag Structures Design and Fabrications / Lab # - DC (Single or Double)
Senior	Welding III: Ag Equipment Design and Fabrication / Lab # - DC (Single or Double)
	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: AWS D1.1, 9.1, or Certified Welder / ≤ 32 Hours and Level 1 Arc Certificate - Trinity Valley Community College (TVCC)

Animal Science

Freshman	Principles of Agriculture, Food, and Natural Resources
Sophomore	Small Animal Management / Equine Science
Junior	Livestock Production
Senior	Veterinary Medical Applications <i>and</i> Advanced Animal Science - DC
	Endorsement: Business and Industry or STEM
	Industry Based Certification / Dual Credit Opportunities: Certified Veterinary Assistant - Level 1, Fundamentals of Animal Science / 3 Hours - Tarleton State University

Plant Science

Freshman	Principles of Agriculture, Food, and Natural Resources
Sophomore	Floral Design
Junior	Advanced Floral Design
Senior	Advanced Plant & Soil Science
	Endorsement: Business and Industry or STEM
	Industry Based Certification / Dual Credit Opportunities: Principles of Floral Design Certification, Tx State Florist Association Level I, II

ARCHITECTURE AND CONSTRUCTION

Carpentry

Freshman	Construction I
Sophomore	Construction II
Junior	Construction III #
Senior	Practicum of Construction #
	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: NCCER Carpentry Level I, II

Heating, Ventilation, & Air Conditioning (@ Tyler Junior College)

Fresh/Soph	Construction I
Junior	TJC Heating, Ventilation, & Air Conditioning I # (@ TJC West Campus)
Senior	TJC Heating, Ventilation, & Air Conditioning II # (@ TJC West Campus)
	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: Employment Ready Certification - Air Conditioning / ≤ 45 Credits, HVAC and Refrigeration Technology Entry Level and Advanced - TJC

ART, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

Graphic Design & Interactive Media: Animation

Freshman	Digital Media
Sophomore	Animation I
Junior	Animation II / Lab # (Single or Double)
Senior	Practicum in Animation #
	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: Adobe Certified Professional Animate*, Adobe Certified Professional In Visual Effects & Graphics Using Adobe After Effect

Graphic Design & Interactive Media: Graphic Design

Freshman	Digital Media
Sophomore	Graphic Design and Illustration I
Junior	Graphic Design and Illustration II / Lab # (Single or Double)

Senior	Practicum in Graphic Design and Illustration #
	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: Adobe Certified Professional in Visual Design using Adobe Photoshop

Graphic Design & Interactive Media: Newspaper & Yearbook

Freshman	<i>Journalism Honors</i>
Sophomore	Newspaper I / Yearbook I - Commercial Photography I
Junior	Newspaper II / Yearbook II - Commercial Photography II / Lab # (Single or Double)
Senior	Newspaper III / Yearbook III - Practicum in Commercial Photography #

	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: Adobe Certified Professional InDesign

Digital Communications: Audio Video Production

Freshman	Principles of Arts, Audio Video Technology, and Communications
Sophomore	Audio Visual Production I / Lab (Single or Double)
Junior	Audio Visual Production II / Lab # (Single or Double)
Senior	Practicum in Audio Visual Production #

	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: Adobe Certified Professional in Digital Video Using Adobe Premiere Pro

BUSINESS, MARKETING, & FINANCE

Freshman	Business Information Management I
Sophomore	Advertising & Social Media Marketing - DC
Junior	Money Matters - DC Entrepreneurship I - DC
Senior	Entrepreneurship II Practicum in Business Management # or Practicum in Entrepreneurship # - DC

	Endorsement: Business and Industry
	Industry Based Certification / Dual Credit Opportunities: Entrepreneurship and Small Business/ ≤ 24 Hours - TJC

EDUCATION AND TRAINING

Teaching & Training

Freshman	Child Development
Sophomore	Principles of Education & Training - DC
Junior	Education & Training I: Instructional Practices # - DC
Senior	Education & Training II: Practicum in Education and Training # - DC
Endorsement: Public Service	
Industry Based Certification / Dual Credit Opportunities: Educational Aide I / ≤ 9 Hours - TJC	

HEALTH SCIENCE

Healthcare Diagnostic & Therapeutic Services

Freshman	Principles of Health Science - DC
Sophomore	Medical Terminology - DC
Junior & Senior	Anatomy & Physiology - DC Pathophysiology Practicum in Health Science # (Pharmacy Tech, CMA, Phlebotomy/PCT)
Endorsement: Public Service	
Industry Based Certification / Dual Credit Opportunities: Certified Clinical Medical Assistant, Phlebotomy Technician & Patient Care Technician, or Pharmacy Technician / ≤ 14 Hours - TJC	

HOSPITALITY & TOURISM

Culinary Arts

Freshman	Principles of Culinary Arts
Sophomore	Culinary Arts I
Junior	Culinary Arts II / Lab # (Single or Double)
Senior	Practicum in Culinary Arts #
Endorsement: Business & Industry	
Industry Based Certification / Dual Credit Opportunities: FoodHandlers and ServSafe Manager	

LAW AND PUBLIC SERVICE

Fire Science	
Sophomore	Law Enforcement I
Junior	Firefighter I # - DC
	Counseling & Mental Health
Senior	Firefighter II # - DC
	Anatomy & Physiology - DC
Endorsement: Public Service	
Industry Based Certification / Dual Credit Opportunities: Basic Structure Fire Protection / ≤ 24 Hours - TJC	
Law Enforcement	
Sophomore	Law Enforcement I
Junior	Law Enforcement II - DC
	Counseling and Mental Health
Senior	Law Enforcement III - DC
	Forensic Science
Endorsement: Public Service	
Industry Based Certification / Dual Credit Opportunities: Non-Commissioned Security Officer Level II License / ≤ 9 Hours - TJC	
MANUFACTURING	
Robotics & Automation Technology	
Freshman	Principles of Engineering
Sophomore	Engineering Design and Presentation I
Junior	Robotics I
Senior	Robotics II
	Practicum in Entrepreneurship #
Endorsement: STEM or Business & Industry	
Industry Based Certification / Dual Credit Opportunities: C-101 Certified Industry 4.0 Associate - Basic Operations, C-103 Certified Industry 4.0 Associate - Robot System Operations	
Welding (@ Tyler Junior College)	
Junior	<i>Suggested Courses: Principles of Agriculture, Welding I, Principles of Engineering, Construction I, Construction II</i>
	TJC Welding I / Lab # - DC (@ TJC West Campus)TJC
Senior	TJC Welding II / Lab # - DC (@ TJC West Campus)
Endorsement: Business & Industry	

Industry Based Certification / Dual Credit Opportunities:
 ≤ 42 Hours, Welding Technology Entry Level and Advanced Certificate - TJC

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Engineering Foundations

Freshman	Principles of Engineering - DC
Sophomore	Engineering Design and Presentation I - DC
Junior	Engineering Design and Presentation II
Senior	Engineering Design and Problem Solving

Endorsement: STEM or Business & Industry
 Industry Based Certification / Dual Credit Opportunities
 Autodesk Associate AutoCAD / ≤ 12 Hours - TJC

Programming & Software Development

Freshman	Computer Science I
Sophomore	Computer Science II
Junior	Computer Science III
Senior	Mobile App Development Practicum in Information Technology#

Endorsement: STEM or Business & Industry
 Industry Based Certification / Dual Credit Opportunities
 Information Technology Specialist: Java, CodeHS Python Level 1 Certification

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

Automotive Technology (@ Tyler Junior College)

Junior	<i>Suggested Courses: Principles of Agriculture, Welding I, Welding II, Construction I, Construction II, Principles of Engineering, Engineering Design and Presentation I</i>
Senior	TJC Automotive I Lab # - DC (@ TJC West Campus)
	TJC Automotive II Lab # - DC (@ TJC West Campus)

Endorsement: Business & Industry
 Industry Based Certification / Dual Credit Opportunities:
 ASE Entry Level Automobile Certificates, ≤ 43 Hours, Chasis and Drive Train Certificate and Engine Performance - TJC