

<b>ACADEMY OF FINANCE &amp; TOURISM</b>		
Class instruction includes a focus on Economics, Marketing, Accounting, and Customer Service		
11-12	Year	Academy of Finance
12	Year	CEO
10-12	Year	Academy of Tourism
<b>ACADEMY OF EDUCATION</b>		
Academy of Education introduces students to elementary and secondary teaching principles.		
11-12	Sem	Orient to Education (EDU 1010)/Teaching as a Profession 3
9-12	Sem	Human Development (FHS 1500)/ Teaching as a Profession 2
9-12	Sem	Individual & Family Relations (FHS 2400)/ Intro to Behavioral Health
11-12	Sem	Teaching Internship
<b>AGRICULTURE SCIENCE</b>		
Classes focus on technologies of soil and crop cultivation, harvesting, and animal production		
9-12	Sem	Animal Science 1
10-12	Sem	Animal Science 2
9-12	Sem	Equine Science 1 & 2
9-12	Sem	Floriculture & Greenhouse
11-12	Sem	Intro to Horticulture (PSC 1800)
9-12	Sem	Landscape Management/ Nursery Operations
9-12	Sem	Natural Resource Science 1
10-12	Sem	Natural Resource Science 2
10-12	Sem	Veterinary Assistant 1
9-12	Sem	Aquaculture/ Biology Agriculture
<b>AVIATION</b>		
Classes provide a knowledge of airports, aviation flight, ground safety, and flight simulator training		
10-12	Sem	Survey of Aviation (AVSC 1010)
11-12	Sem	Air Transport Mgmt. (AVSC 2150)
11-12	Sem	Pilot Ground School (AVSC 1100)
10-12	Sem	Aviation Drone (AV 1900/1910)
<b>BIOTECHNOLOGY</b>		
Courses explore biological principles, examine life processes at the cellular level, and build solutions		
9-12	Sem	Biotech Research 1
10-12	Sem	Biotech Research 2 (BTEC 1010)
11-12	Sem	Biotech Internship
10-12	Sem	Medical Device Engineering/ Manufacturing Principles 2 (CCET 2690)
<b>GENERAL EDUCATION REQUIREMENTS CONCURRENT ENROLLMENT</b>		
Courses supplement classes at the home school to complete all college general education requirements		
11-12	Sem	American Civ. (HIST 1700)
11-12	Sem	Biology (BIO 1010)
10-12	Sem	Communication (COMM 1010 & COMM 1020)
11-12	Sem	Chemistry 1010
11-12	Sem	Geography 1300
12	Sem	Humanities 1100 & Sociology 1010

<b>HEALTH SCIENCE</b>		
Students learn medical professions and create foundational knowledge to succeed in a medical career		
11-12	Sem	Certified Nurse Assisting
11-12	Sem	Dental Assisting 1
11-12	Sem	Dental Assisting 2
9-12	Sem	Intro to Health Science/ Emergency Medical Responder
11-12	Sem	Intro to Health Science/ Emergency Medical Responder (AT 2300)
12	Year	Emergency Medical Technician (HSEM 2300)
12	Year	Medical Assisting
11-12	Sem	Medical Forensics (CJ 1350)
9-12	Sem	Medical Terminology (MA 1100)
12	Year	Pharmacy Technician
11-12	Sem	Physical Therapy Assistant (PTA 1010) & Occupational Therapy Assistant (OTA 1020)
10-12	Year	Medical Anatomy & Physiology (HTHS 1120)

<b>FIRE SCIENCE</b>		
Study all the aspects of fire. Those interested in firefighting begin here with Unified Fire Instructors.		
11-12	Year	Intro to Emergency Services/ Principles of Fire (ESFF 1120)

<b>INFORMATION TECHNOLOGY</b>		
Instruction in cyber security, programming, animation, game design data management, networking, etc.		
10-12	Sem	3D Animation 1 & 2
10-12	Sem	Advanced 3D Animation
11-12	Sem	Digital Media II Projects
9-12	Sem	Computer Programming 1 & Computer Program. 2
11-12	Sem	Computer Program Projects (CSIS 1400)
10-12	Sem	Computer Repair Technician A+ & Computer Systems 2
9-12	Sem	Gaming Development Fund./ Virtual Reality
9-12	Sem	Intro to IT/ Cloud Computing
9-12	Sem	Linux Fundamentals
9-12	Sem	Networking +/-Cisco
9-12	Sem	Principles of Cyber Security +
9-12	Sem	Web Development 1
9-12	Sem	Web Development 2

<b>9th GRADE SCIENCE OPTIONS</b>		
Classes focus on basic science principles and then students apply learning in a hands on setting.		
9-12	Year	Aquaculture/Biology & Agriculture
9-12	Year	Physics & Engineering Principles

<b>CRIMINAL JUSTICE</b>		
Classes focus on law and related careers: police, law & attorneys, judicial system, corrections, etc.		
11-12	Sem	Intro to Criminal Justice (CJ 1010)/ Intro to Corrections (CJ 1300)
11-12	Sem	Criminal Law (CJ 1330)/ Law Enforcement (CJ 2540)

<b>CULINARY ARTS</b>		
Students learn the management and culinary skills needed for a career in the foodservice industry		
10-12	Sem	Culinary Arts 2/ ProStart 1
10-12	Sem	Culinary Arts 3/ ProStart 2
11-12	Sem	Baking and Pastry

<b>TECHNOLOGY &amp; ENGINEERING</b>		
Students prep for careers in automation, engineering, technology, manufacturing, electronics, and design		
9-12	Sem	Architectural Design 1 & 2 (IDT 1050 & BDC 1350)
10-12	Sem	Architectural Design 3 (CMT 2360)
9-12	Sem	Electronics 1 & Electronics 2 (EET 1700)
10-12	Sem	Electronics 3
9-12	Sem	Engineer Principles 1/Engineer Principles 2 (ENGR 1010)
11-12	Sem	Engineering Capstone (CCET 2620)
9-12	Sem	Mechanical (ETD) Design 1 (CCET 1010) & 2 (CCET 1030)
11-12	Sem	Mechanical (ETD) Design 3 (CCET 2650)
9-12	Sem	Robotics 1 & 2 (EET 1600)
11-12	Sem	Composites 1/Manufacturing Principles 1
11-12	Sem	Composites 2/Manufacturing Principles 2 (CCET 2690)
9-12	Year	Engineering Principles/ Physics

<b>CTE MANUFACTURE/TRADES</b>		
Students will learn basic to advanced construction principles to build houses and portable classrooms		
9-12	Sem	Construction Trades 1
9-12	Sem	Construction Trades 2
10-12	Year	Electrical Trades (ELI 1110)
10-12	Year	Homebuilding (CMGT 1410/1320/1330)
10-12	Year	Plumbing (PLI 1010)

<b>Students at the GTI learn by doing. Turn in your selections to your counselor.</b>		
		Concurrent
		3rd year science credit
<b>Bold</b>		Year Long Class
<u>Underlined</u>		Prerequisite needed

**All courses are 2 periods in length**

**3/15/22**