

ACADEMY OF FINANCE & TOURISM		
Class instruction includes a focus on Economics, Marketing, Accounting, and Customer Service		
11-12	Year	Academy of Finance
10-12	Year	Academy of Tourism
ACADEMY OF EDUCATION		
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	Marriage & Family Relations (FHS 2400) / Intro to Behavioral Health
11-12	Sem	Teaching Internship

AGRICULTURE SCIENCE		
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
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

AVIATION		
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)

BIOTECHNOLOGY		
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	BioManufacturing/ Manufacturing Principles 1

GENERAL EDUCATION REQUIREMENTS CONCURRENT ENROLLMENT		
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)
12	Sem	Communication (COMM 1010) Humanites 1100
11-12	Sem	Chemistry 1010
11-12	Sem	Geography 1300

HEALTH SCIENCE		
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)
11-12	Sem	Exercise Science/Sports Medicine (PES2400)
12	Year	Medical Assisting
11-12	Sem	Medical Forensics (CJ 1350)
9-12	Sem	Medical Terminology (MA 1100)
10-12	Year	Medical Terminology/ Medical Anatomy
12	Year	Pharmacy Technician
11-12	Sem	Physical Therapy Assisting (PTA 1010) & Occupational Therapy Assisting
11-12	Year	Medical Anatomy & Physiology (HTHS 1120)

FIRE SCIENCE		
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)

INFORMATION TECHNOLOGY		
Instruction in cyber security, programming, animation, game design data management, networking, etc.		
10-12	Sem	Intro to 3D Animation
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 Programming 1 & Computer Program. 2 (CSIS 1400)
11-12	Sem	Computer Program Projects
10-12	Sem	Computer Repair Technician A+
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 Cyper Security +
9-12	Sem	Web Development 1
9-12	Sem	Web Development 2

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

CRIMINAL JUSTICE		
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)

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

TECHNOLOGY & ENGINEERING		
Students prep for careers in automation, engineering, technology, manufacturing, electronics, and design		
9-12	Sem	Architectural Design 1 & 2 (IDT 1050 & BDC 1350)
9-12	Sem	Architectural Design 3 (CMT 2360)
9-12	Sem	Electronics 1 & Electronics 2 (EET 1700)
10-12	Sem	Electronics 3
10-12	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 & Automation 1
9-12	Sem	Robotics & Automation 2 (EET 1600)
11-12	Sem	Composites 1/Manufacturing Principles 1
11-12	Sem	Composites 2/Manufacturing Principles 2 (CCET 2690)

CTE MANUFACTURE/TRADES		
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)
10-12	Year	Plumbing (PLI 1010)

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

All courses are 2 periods in length
2/8/21