



Pre-Requisites & Considerations for Placements of Students on an IEP/504 in the GTI Program

New 2nd Semester 20-21 school year....

Baking offered B 12 Co taught with GTI instructor and SPED teacher

Floriculture offered B 12 Co taught with GTI Ag Instructor and SPED teacher

Enrolling now....

*Employees of the Granite Technical Institute (GTI) are dedicated to their field of expertise and delivering quality instruction to **interested** students. The GTI team is skilled at accommodating and adapting to give students with a variety of capabilities opportunity; however, it is important to note that most classes at the GTI are designed with a higher level of rigor- similar to a community college class, so classes can only be accommodated to a certain extent.*

The goals of this document include:

- *Increasing a successful outcome with deepened understanding of course requirements*
- *Increasing awareness of courses with professional training expectations*
- *Ensuring the safety of all students*

Academics of Business

Academy of Hospitality & Tourism:

Concurrent enrollment (option) total of 9 credits can be earned, college level curriculum.

High level math (Secondary Math II), accounting, and verbal skills.

Good social skills development.

Academy of Finance:

Concurrent enrollment (option) total of 21 credits can be earned, college level curriculum.

High level math (Secondary Math II), accounting, and verbal skills.

Good social skill development.

Agriculture Science

Intro to Aquaculture: This class takes place in a classroom and in the greenhouse – 1/3 mile from the GTI campus. ***Student must be able to physically walk independently.*** Considerations to safety with working over large pools of water must be made. Need to be able to follow multi step directives. ***Be aware of sensitivities to strong orders (fish and aquatic plant life).***

Animal Science I: Students work independently and must be able to follow multi step directions. Students are trusted with the follow through of animal caretaking and should have the ability to practice independent, responsible behavior at an off-campus setting. Students must be willing to work outside in various weather conditions. Once a week travel is required to Wheeler Farm. *Must be able to work independently on assignments at the farm.*

Biology Agricultural Science (BioAg):

Fulfills Biology Graduation Credit.

Must be able to work independently in the greenhouse and physically be able to walk back and forth from the greenhouse

Floriculture and Greenhouse Management: This class is located in the greenhouse – 1/3 mile from the GTI campus and in the Blue Agriculture Relo on Main Street. ***Student must be able to physically walk to the greenhouse independently.*** Must show an interest in working with plants, soil, and floral design.

Equine Science: Will be working in close quarters with horses in stalls. Cleaning stalls (shoveling) is expected. Ability to independently follow multi step directions. Trusted with the follow through of animal caretaking. ***Student must be able to practice independent, responsible behavior at an off-campus setting and willing to work outside in various weather conditions.***

Intro to Horticulture:

Recommended Prerequisite: Floriculture

Concurrent enrollment (mandatory), college level curriculum.

Must exhibit college readiness skills.

Landscape Management/Nursery Operation:

Recommended Prerequisite: Floriculture and Greenhouse Management

Need to express a strong interest in managing a greenhouse. Good social skill development.

Veterinary Assistant:

Required Prerequisite: Animal Science and/or Equine Science

Need to feel comfortable handling various animals. Need to be able to independently follow through with multi-step directives.

Aviation Professional Pilot Program

Required: High level of skills in Math, Physics, Science and problem solving

All aviation courses are concurrent enrollment (mandatory), **college level curriculum.**

Accommodations are limited based on the mechanics and skills needed to operate an airplane. Before enrolling a student, the question needs to be presented if the student shows the potential judgment and ability to fly an airplane safely. (*Would you be comfortable being in a plane that this student is operating?*)

Biotechnology/Biomanufacturing

Biotech Research:

Prerequisite: Successful completion of Biology.

Concurrent enrollment (mandatory), college level curriculum.

Lab work.

Biomanufacturing 1 & 2:

Recommended Prerequisite: Biotech/Manufacturing and Secondary Math II

College level curriculum. Lab work. Must express an interest in working with the research and development of medications, cosmetics, and biofuels.

Construction Trades

Electrical Trades: Concurrent enrollment (option).

*Recommended Prerequisites: Homebuilding and Construction Trades Foundation--unless a **strong interest**.*

High level math (Secondary Math II or higher)

Home Building (Residential Carpentry):

Concurrent enrollment (option).

Ability to practice independent, responsible behavior at an off-campus setting. Students will handle dangerous machinery. Some body limitations (good physical movement needed to complete required tasks).

Plumbing:

Concurrent enrollment (option).

*Recommended Prerequisite: Homebuilding and Construction Trades--unless a **strong interest**.*

High level math (Secondary Math II or higher)

Construction Trades Foundation:

This class will be building relocatable classrooms for Granite schools. Need to be able to walk off campus independently for 1/3 mile, follow multi-step directions, and be low behavior risk; trusted with potentially dangerous machinery. Some body limitations (good physical movement is needed to complete required tasks).

Construction Technology:

Recommended Prerequisite: Construction Trades Foundation

Good introduction to the construction trades industry.

Cosmetology/Barbering

Cosmetology/Barbering is **no longer offered through Granite District GTI**. Students are welcome to independently register through Tooele Applied Technical College (TACT) or Davis Applied Technical College (DACT), classes free of charge while an enrolled Granite District student. CTE credit can be offered. The student's school counselor can provide more information.

Culinary Arts

Chef Prep/ PROSTART I:

Required prerequisite: Foods and Nutrition I or II at home school

Recommended Prerequisite: The Food Service/Culinary Arts (Occupational Foods)

PROSTART classes are set up to primarily learn how to run a restaurant and there is **not a focus on cooking food. Higher level of reading is required for curriculum.** Must have a social security number in order to qualify for certificate.

Chef Prep/PROSTART II:

Required prerequisite: Food and Nutrition I or II at the home school

Recommended Prerequisite: The Food Service/Culinary Arts (Occupational Foods)

PROSTART classes are primary learning how to run a restaurant and there is **not a focus on cooking. Higher level of reading is required for curriculum.** Must have a social security number in order to qualify for certificate.

Food Service/Culinary Arts (Occupational Foods):

Required prerequisite: Foods I or Food II at the home school before enrollment.

This is a good prerequisite to the PROSTART and Entrepreneurship classes and a good introductory course to the food service industry.

Health Science Technology

**** Students are recommended to take: 1) Intro to Health Science & Technology, then 2) Medical Terminology before enrolling in any specialty medical/dental classes.**

Certified Nurse Assisting:

Recommended prerequisite: Medical Terminology

The student needs to show the potential to have a reasonable chance of passing the state certification test. Needs to demonstrate good skills in memorization, understanding concepts, follow multi-step directives, people skills, and teamwork. The student needs to understand that they will be taking care of the needs of other people (toileting, etc) and have the maturity to do so.

Dental Assisting I: Need to demonstrate the ability to memorize basic concepts, follow multi step directives, and display good people skills. The student needs to understand that they will be taking care of the needs of other people's dental hygiene (teeth cleaning) and have the maturity to do so.

Dental Assisting II:

Required Prerequisite: Dental Assisting I

Students need to demonstrate the ability to memorize basic concepts, follow multi step directives, and display good people skills. The student needs to understand that they will be taking care of the needs of other people's dental hygiene (teeth cleaning) and have the maturity to do so. Students sign up for DA1 and DA2 and the same time.

EMS (Emergency Medical Services):

Concurrent Enrollment (option). If interested in the health science field, this is a good introduction course. This course can be combined (taken the same time) with Intro to Health Science and Technology. This course is similar to an intensive first aid class.

EMT Emergency Medical Technician: 12th grade only

Prerequisite: Successful completion of Secondary Math III as well as English classes. Concurrent Enrollment (option) 10 Credits with SLCC.

The student needs to show the potential to have a good chance of passing the state certification test and have a social security number. **College level reading curriculum**, high level memorization and problem-solving skills. Needs to demonstrate the ability to follow a multi-step directive and work well as a team. Student must be motivated and interested in driving an ambulance and show the potential proficiency and maturity in handling themselves well during a medical emergency.

Exercise Science/Sports Medicine:

Required Prerequisites: Successful completion of Secondary Math II as well as grade level English classes. Concurrent enrollment (option) through UVU.

College level reading curriculum, high level memorization and problem-solving skills. Needs to demonstrate the ability to follow a multi-step directive and work well as a team.

Intro to Health Science & Technology:

This is a good introduction course to all medical/dental related courses.

Medical Assisting:

Taken 12th grade year only. This is one of the most rigorous courses offered at the GTI.

Required: Successful completion of Secondary Math III as well as proficiency in grade level English.

The student needs to show the potential to have a good chance of passing the state certification test and have a social security number. **College level reading curriculum**, high level memorization and problem-solving skills. Needs to demonstrate the ability to follow a multi-step directive independently and work well as a team. Student must have maturity to potentially handle themselves well during a medical emergency, as well as to handle bodily fluids (urine, blood, etc).

Medical Anatomy & Physiology:

Recommended Prerequisite: Medical Terminology

Student must have a strong interest in the body systems and feel comfortable with dissection. **Recommended for those interested in exploring a medical career pathway.** Must be able to complete college level reading and curriculum and possess high science and math abilities.

Medical Terminology:

Concurrent Enrollment (option)

This is a recommended prerequisite for all other medical/dental specialty courses.

Students must read near or at grade level. High memorization skills required (up to 300+ medical terms to be memorized), including learning roots, prefixes, and suffixes for over 11,000 medical terms.

Pharmacy Technician:

Required Prerequisite: *Medical Terminology & successful completion for Secondary Math III*
College level curriculum and vast memorization needed. The student needs to show the potential to have a good chance of passing the state certification test and have a social security number. Student must exhibit high motivation to go in to the field and potential capabilities of maintaining a B average. **To pass the state test, students must also successfully complete a 180 hour externship in addition to coursework.**

Physical Therapy:

Recommended: *Complete Biology with at least a C or higher before registering.*

This is a good introduction to the field of Physical Therapy and Physical Therapy Assisting, and Sports Trainer. Student must show the potential to demonstrate responsible behavior and maturity for off-campus job shadowing. It is suggested that the student pass Biology with at least a C prior to class registration.

Information Technology

Computer Programming I:

This is a web development class with rigorous programming expectations. Must display a good ability to work on the computer independently, as well as some partner work. This is math based (coding) and must demonstrate the ability to think mathematically.

Computer Programming 2/Mobile Apps:

Required Prerequisite: *Computer Programming I*

Must have strong desire to computer program and learning the JAVA programming language.

Computer Programming Projects:

Required Prerequisites: *Computer Programming I & II or or Advanced Web Development.*

Completion of a home school graphics class is also suggested. Students wishing to take this course must make individual arrangements with the instructor.

Introduction Web Development:

Recommended Prerequisites: *Successful completion of high school computer programming classes and graphics class.*

This class is designed for those interested in building web pages.

Advanced Web Development:

Required Prerequisite: *Introduction to Web Development*

Intro to 3D Animation:

Successful completion of home school computer programming classes is strongly recommended prior to registration, as well as a home school graphic's class.

Need to be able to work independently at the computer for long projects without frequent re-direction.

Advanced 3D Animation:

Required Prerequisite: *Intro to 3D Animation*

Good ability to work in small groups on projects.

Digital Media II (Projects class):

Required Prerequisite: Advanced 3D Animation

Students wishing to take this course must make individual arrangements with the instructor.

Computer Maintenance (A+) Certification:

Recommended Prerequisite: High school computer programming classes

This course is essentially taking apart and putting together computers. Students must show the potential capability of passing a state certification test upon course completion. Students need to be able to work independently on a focused task without being a disruption to others. Ability to follow multi-step directives and good focus capabilities is needed.

Linux Fundamentals:

Recommended Prerequisite: Successful completion of high school computer programming classes

Student expresses a desire to work with the Linux operating system. This course preps the student to take the state certification exam.

Basic Networking (Network +)/Cisco Networking (CCENT certification):

Recommended Prerequisite: Successful completion of high school computer programming classes

Technology & Engineering

Architectural Design 1&2:

Good math and computer skills needed, with successful completion of math and computer classes in the home school. This encompasses pre-engineering as well as pre-architectural design.

Computer Integrated Manufacturing:

Required Prerequisite: Intro to Engineering Design

Instructor has to approve prior to registration of class. Students are essentially designing functional items that can be built (robots, electrical devices, etc).

Digital Electronics:

Recommended Prerequisites: Principals of Engineering and Intro to Engineering Design

Student must express an interest in working with electronic circuits and devices.

Engineering Design and Development (Projects class):

Required Prerequisites: Principals of Engineering, Intro to Engineering Design, and computer Manufacturing

Instructor must approve prior to registration.

Electronics, DC/AC:

Required: High level of math proficiency (math II or higher) and science.

High interest in working with electricity; including building circuits for electrical devices and be able to focus well for extended amounts of time in a quiet, technical setting.

Introduction to Engineering Design:

This course gives a good introduction to being an assistant to an engineer. Students who are interested in putting together and taking apart (phones, Legos, etc), this would be a good course for them.

Principals to Engineering:

Recommended: Moderate to high level of skills in math, science and computer programming

Similar to description above.

Robotics and Automation:

Recommended: Proficiency in Math, Science and Computer Programming

Students must express an interest in robotics.

Technical Design 1 & 2:

Recommended: Moderate to high level of skills in Math, Science and Computer programming

Introduction to the process of engineering design.