2026-2027 ACADEMIC PROGRAM GUIDE

Achieving
Excellence,
Innovation,
& Empowerment
Together.

APPLIED TECHNOLOGY

Aeronautics

- Aviation 1
- Aviation 2
- Drones: UAS
- Principles of Aeronautical Science
- Private Pilot Operations

Architecture

- Engineering Design
- Advanced Engineering Design
- Architectural Engineering Design 1, 2

Automotive

- Small Engines
- Engine Rebuild & Diagnostics
- Care Care Essentials
- Automotive Engineering & Fabrication
- Automotive Services & Diagnostics

Engineering

- Engineering & Invention 1, 2
- Engineering Design
- Advanced Engineering Design
- Robotics 1, 2

Furniture Making

- Introduction to Woodworking 1, 2
- Furniture & Cabinet Making 1, 2

General Electives

- Adaptive Tech Leader
- Home Maintenance & Construction
- Career Internship

Office of Applied Technology

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Applied Technology Department Mission Statement

Career and Technical Education allows students to explore their interests and abilities through a wide range of courses and experiences. CTE equips students with the ability to apply academic skills to the exploration of career pathways. Through hands-on activities, project-based learning, and partnering with industry and educational institutions, CTE prepares students for careers and provides opportunities for post-secondary credits and industry certifications.

Recommended Course Sequences

Below are recommended course sequences for students based on their career interest. Students can take these courses at any time while attending LTHS. These sequences are only recommendations and a student may start taking courses in one sequence and change to another provided they meet any prerequisites for the courses they wish to take or the approval of the Division Chair.

Recommend Engineering Design Sequence

Engineering Design
Grades 9-12

Advanced Engineering Design
Grades 11-12
Prereq: Engineering Design

Architectural Engineering Design 1
Grades 9-12
Prereq: Engineering Design

Architectural Engineering Design 2
Grades 10-12
Prereq: Engineering Design

Recommend Engineering Sequence

Engineering Design
Grades 9-12

Engineering & Invention 1
Grades 9-12
Prereq: Engineering Design
Recommended but not Required

Engineering & Invention 2
Grades 9-12
Prereq: Engineering & Invention 1

Robotics 1
Robotics 2
Grades 9-12

Recommend Automotive Technology Sequence

Small Engines
Grades 9-10

Engine Rebuild & Diagnostics
Grades 9-10
Prereq: Small Engines

Car Care Essentials
Grades 11 & 12

Automotive Engineering & Fabrication
Grades 11 & 12
Prereq: Care Care Essentials, Engineering Design, or Engineering Invention

Automotive Service & Diagnostics
Grade 12
Prereq: Care Care Essentials

Recommend Aviation Sequence

Aviation 1
Aviation 2
Grades 9 & 10

Principles of Aeronautical Science
Grade 10-12 (Dual Credit)

Drones: UAS
Grades 10-12

Private Pilot Operations
Grades 11 & 12
(Dual Credit & Annual Course)

Recommend Furniture & Cabinet Making Sequence

Introduction to Woodworking 1 & 2
Grades 9-12
(½ Credit Each)

Furniture & Cabinet Making I
Grades 9-12
(Annual Course)

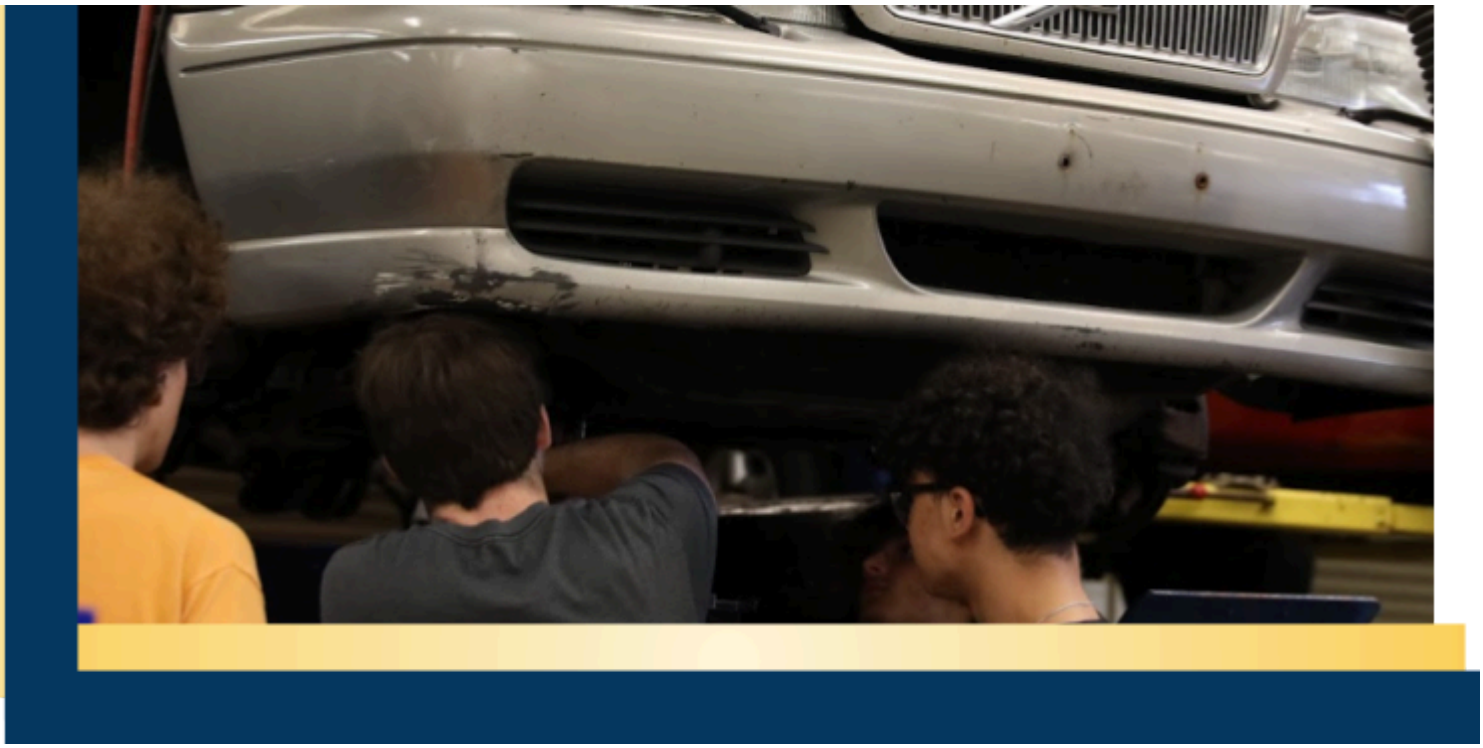
Furniture & Cabinet Making II
Grades 10-12
(Annual Course, Duplicate Credit)

Applied Technology Department Standards

The Applied Technology Department has established standards based on resources gathered from national and state professional organizations in the fields of technology, technology education, engineering, science and math, and career development. There are nine general standards as indicated below. Each general standard is supported by specific student learning standards that are available upon request. Specific course standards have been developed to support the general standards and these are distributed to students at the beginning of each semester, or annual course.

Students within Applied Technology will be able to....

1. select/use appropriate technological instruments/tools and formulas to solve problems, interpret results, and communicate findings.
2. accept opportunities to develop expertise, experience, and emotional intelligence for transferable employability skills in relation to individual, career, and community roles and responsibilities.
3. develop skills, strategies, expertise, experience, and emotional intelligence for career exploration and transferability skills in relation to the career clusters of technology, transportation, communication, and manufacturing
4. analyze the internal and external factors that influence individuals, work teams, and commercial enterprises.
5. develop and apply strategies to manage conflict and stress in individual and team situations.
6. recognize and be able to demonstrate effective verbal and non-verbal communication skills.
7. evaluate decisions in relation to available resources and options.
8. demonstrate leadership skills and abilities reflecting democratic ideals at school, in the workplace, and in the community.
9. promote optimal growth, development, and learning of self, family, community, and others as a lifelong activity.



- All courses listed under Applied Technology apply toward the Practical Arts graduation requirement.
- **Independent Study:** As outlined in the Independent Study section, under specific conditions, students may make an application for Independent Study. In all cases, students must secure parent, teacher, counselor, divisional, and building administration approval. Independent Study may not be taken as an 8th semester/annual course.

AERONAUTICS

Aviation 1

Credit 1/2
Level IV
Grade Offered: 9, 10,
Fall: 9,10 AT5156
Spring: 9,10 AT5157
Prerequisite: None

This course provides a foundation in flying and unmanned aircraft systems (drones). Students will learn about the engineering process, problem solving, and innovations and technological developments that led to the aviation and aerospace industries of today. Students will learn problem-solving that served as the basis for today's modern space exploration. Students will also gain historical perspective from earliest flying machines to modern aircraft and the integral role aviation plays in today's world. This is a hands-on course and you will learn to fly on simulators and a real airplane.

Aviation 2

Credit 1/2
Level V
Grade Offered: 9, 10,
Fall: 9, 10 AT5166
Spring: 9, 10 AT5167
Prerequisite: None

This core aerospace and aviation course is designed to give students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the aviation system. Students will explore modern innovations and will develop their own ideas to address real-world aviation industry challenges. This is a hands-on course and students will have opportunities to fly on simulators and a real airplane.

"Aviation is proof that given the will, we have the capacity to achieve the impossible."
~Eddie Rickenbacker

Principles of Aeronautical Science ERAU AS120 (3cr)

Credit 1/2
Level IV
Grade Offered: 10, 11, 12
Fall: 10 AT5216
Spring: 10 AT5217
Fall: 11, 12 AT5211
Spring: 11, 12 AT5212
Prerequisite: Minimum 2.5 unweighted GPA per ERAU

Principles of Aeronautical Science is a survey course. Modes of aerodynamic travel are studied in this course. This course discusses advanced aircraft and the technology around them. Aerodynamic forces are explored through hands-on projects. Subjects include aircraft history, categories, as well as developments in aviation. You will also get hands on with flight simulation and in a real airplane! Transcripted college credit with Embry-Riddle Aeronautical University.

Drones: UAS

Credit 1/2
Level IV
Grade Offered: 10, 11, 12
Fall: 10 AT5176
Spring: 10 AT5177
Fall: 11, 12 AT5171
Spring: 11, 12 AT5172
Prerequisite: Aviation 1 or Principles of Aeronautical Science

This course focuses on flight operations of Unmanned Aircraft Systems (UAS), commonly referred to as drones. Emphasis is put on the commercial history, growth, and application of UAS. This course will provide acquisition, use, and operation of UAS with an emphasis on operations. This class will use various DJI and Parrot drones to teach students safe flight procedures and operations. Students will be prepared to take the Federal Aviation Administration Part 107 Certification Exam to obtain their Remote Pilot Certificate with a sUAS (drones under 55 lbs.) endorsement. With this license you can get paid to fly your drone!

Private Pilot Operations ERAU AS121 (5cr)

Credit 1
Level V
Grade Offered: 11, 12
Fall: 11, 12 AT3361
Spring: 11, 12 AT3362
Prerequisite: Minimum 2.5 unweighted GPA per ERAU

This course develops aeronautical knowledge required for certification as a Private Pilot with an Airplane Single Engine Land rating. Topics include regulations, safety, pre-solo operations, cross-country planning, airspace, chart use, communications, weather, performance, weight and balance, aerodynamics, and decision-making. The student will utilize simulation in class so that they can apply knowledge of the subject to the aircraft. Transcripted college credit with Embry-Riddle Aeronautical University.

Architecture

Engineering Design

Credit: 1/2
Level: IV
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT5536
Spring: 9, 10 AT5537
Fall: 11, 12 AT5531
Spring: 11, 12 AT5532
Prerequisite: None

Drafting is a valuable part of our global society. It is sometimes referred to as the “universal language.” This course is an excellent choice for those students wishing to explore the field of drafting, planning a career in engineering, architecture, construction, interior design or other related fields. CAD (Drafting) projects include: learning the AutoCAD and Fusion 360 software, multi-view drawing, dimension drawings, section drawings, and isometric drawings. 2D drawings will be covered in the first part of the semester followed by an introduction to basic 3D drafting in the second part of the semester. Students may receive four college credits with Triton College upon successful completion of this dual credit course.

Advanced Engineering Design

Credit: 1/2
Level: IV
Grade Offered: 11, 12
Fall: 11, 12 AT8531
Spring: 11, 12 AT8532
Prerequisite: Engineering Design

This course studies three-dimensional (3D) CAD techniques and applications with emphasis on increasing productivity in the creation and editing of 3D models using Autodesk Fusion 360 software. Units focus on the nature of solid modeling as contrasted with traditional two-dimensional techniques emphasizing mechanical applications and include development and editing of solid entities, wireframe modeling, surfacing, shading, 3D primitives of solids, plotting 3D models on the 3D printer, and generating solids that aid in 3D construction models in manufacturing situations.

Architectural Engineering Design 1

Credit: 1/2
Level: IV
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT9216
Spring: 9, 10 AT9217
Fall: 11, 12 AT9211
Spring: 11, 12 AT9212
Prerequisite: Engineering Design

Students will begin exploring the architectural career field. This course covers the architectural drafting fundamentals, planning, and design. We will study architectural home style and the basic home designs that go into the different styles. A focus will be placed on designing a home concerning the understanding of how the living, sleeping, and service area layouts are essential to creating an efficient and effective home design. Students will be using Autodesk Revit software to create 2D and 3D homes. Students will complete the course by designing their dream home.

Architectural Engineering Design 2

Credit: 1/2
Level: IV
Grade Offered: 10, 11, 12
Fall: 10 AT9316
Spring: 10 AT9317
Fall: 11, 12 AT9311
Spring: 11, 12 AT9312
Prerequisite: Architectural Engineering Design 1

Students will continue exploring the architectural career field. This course covers plot plan development, construction systems, utilities, and presentation methods. The course covers common residential construction materials, components, and systems related to wood and metal framing structures. Students will produce a professional set of presentation drawings and rendering models of their dream home they created in Architectural Engineering Design I. Students will be using Autodesk Revit software to create 2D and 3D homes.

Automotive

Small Engines

Credit: 1/2
Level: IV
Grade Offered: 9, 10
Fall: 9, 10 AT6226
Spring: 9, 10 AT6227
Prerequisite: None

Small Engines is the first class taken on the road to become a qualified automotive technician. The course introduces the small engine and uses it to demonstrate in-depth concepts like 4 stroke theory, thermodynamics, and alternative fuel sources in a fun, lab centered environment. Students will understand the parts of an engine, how they interact together, and how to disassemble and reassemble its components. Students will also learn diagnostic procedures to resolve common issues and become proficient in rebuilding carburetors, testing ignition systems, fuel systems, and replacing broken parts. Students may receive three college credits with College of DuPage upon successful completion of this dual credit course.

Engine Rebuild & Diagnostics

Credit: 1/2
Level: IV
Grade Offered: 9, 10
Fall: 9, 10 AT6346
Spring: 9, 10 AT6347
Prerequisite: Small Engines

This course allows a comprehensive tear down, diagnosis, and rebuild of two of the industry's top performance engines. Students will have the opportunity to work on Chevrolet 350 V8 and LS based engines. These 400 horse power engines will be torn down to a bare crankshaft and fully rebuilt with all new gaskets. The motors will then be started and checked for proper operation on a live engine test stand and revved to 6000 RPM. Advanced engine building techniques will be discussed, diagnostic procedures will be practiced, factories will be toured, and students will have the opportunity to learn about high performance options such as turbochargers, superchargers, and nitrous.

Car Care Essentials

Credit: 1/2
Level: IV
Grade Offered: 11, 12
Fall: 11, 12 AT5911
Spring: 11, 12 AT5912
Prerequisite: None

Don't leave home without it! This course will teach the necessary skills in basic car care, preventative maintenance, and roadside safety. Students will learn how to maximize the life of a vehicle while saving money and becoming a self-sufficient automotive technician. Students will have the opportunity to work on live vehicle repairs after covering units such as under hood checks, oil/ lubrication, roadside safety, tires, brakes, purchasing new/used vehicles, and professional automotive detailing. This course is the foundation of the automotive program.

Automotive Engineering & Fabrication

Credit: 1/2 (dc)
Level: IV
Grade Offered: 11, 12
Fall: 11, 12 AT6351
Spring: 11, 12 AT6352
Prerequisite: Care Care Essentials or Engineering Design or Engineering & Invention I

This course focuses on the research, design, and fabrication aspects of the automotive industry. Students will have the opportunity to design, engineer, and build custom projects of their choice after completing 10 unique mini labs. These mini labs include fabricating metal roses, a phone stand, CNC cut name tags, and even learning CAD/CAM design software. Students will become proficient using fabrication equipment like MIG welders, TIG welders, pipe notchers, pipe benders, box ban breaks, bead rollers, english wheels, vertical mills, lathes, and bandsaws. “Duplicate Credit” students will complete a semester-long final project where they have the option to build a motorized project, work on our SEMA hot rod, or a custom project of their dreams. The only limit to this course is your imagination. Students may receive four college credits with Triton College upon successful completion of this dual credit course.

Automotive Service & Diagnostics

Credit: 1
Level: IV
Grade Offered: 12
Fall: 12 AT5311
Spring: 12 AT5312
Prerequisite: Care Care Essentials

Automotive Service and Diagnostics is the culminating course of the LTCC Automotive Program that expands on the skills learned in Car Care Essentials. Students will have the opportunity to complete live lab work on a variety of vehicles after covering units focusing on brakes, cooling systems, steering, suspension, drive-train, starting/charging systems, and OBD2 /vehicle diagnostics. Students will become proficient technicians by using manufacturing specific tools, scan tools, and digital multimeters. Students will also communicate as a service consultant with the vehicle’s respective owners, manage lab teams, and become career ready.

Engineering

Engineering & Invention I

Credit: 1/2
Level: IV
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT9546
Spring: 9, 10 AT9547
Fall: 11, 12 AT9541
Spring: 11, 12 AT9542
Prerequisite: None

This is a course for the student who wants to explore engineering as a career. This course uses STEM (Science, Technology, Engineering, and Mathematics) project-based assignments to explore and understand the engineering design process. Problem solving is utilized to overcome problems of design, development, production, and testing of a product. Topics covered include mechanical, structural, electrical, hydraulics, robotics, and programming. Students will use a variety of software programs to design, test, and analyze problems. Students will work in design teams and present their findings to the class in various applications. Students may receive four college credits with Triton College upon successful completion of this dual credit course.

Engineering & Invention II

Credit: 1/2 (dc)
Level: IV
Grade Offered: 11, 12
Fall: 11, 12 AT6411
Spring: 11, 12 AT6412
Prerequisite: Engineering & Invention I

This is a continuing course of Engineering 1 which uses STEM (Science, Technology, Engineering, Mathematics) project based assignments. Problem solving is utilized to overcome problems of design, development, production, and the testing of a product. Topics covered could include but not limited to; mechanical, structural, pneumatics, vacuum forming, robotics, and materials. Students will use a variety of softwares to design, test, and analyze problems. Students will work in design teams and present their finds to the class in various applications.

Robotics I

Credit: 1/2
Level: IV
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT5616
Spring: 9, 10 AT5617
Fall: 11, 12 AT5611
Spring: 11, 12 AT5612
Prerequisite: None

The study of educational robotics affords a wide variety of learning opportunities because it has STEM (Science, Technology, Engineering, and Math). Students gain an understanding and knowledge through the connecting of concepts from each of the STEM domains. Robotics 1 is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on assembly, applications, and programming (using VEXcode EXP), sensors, motors, drive configurations, software tools and visual interface. This introductory course to robotics will be using the Vex EXP kits.

Robotics II

Credit: 1/2
Level: IV
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT5626
Spring: 9, 10 AT5627
Fall: 11, 12 AT5621
Spring: 11, 12 AT5622
Prerequisite: Robotics I

This course is focused on industrial robotics. It will introduce the students to the V5 Workcell that they will modify as they explore different manufacturing processes. Students will first investigate components and applications of industrial robots. Once the students have gained experience with the build, they will add sensors, motors, and conveyors to enhance the capabilities of the V5 Workcell while exploring the automation effectiveness of the Workcell. This culminates with the Factory Automation Competition (FAC) Program inside the classroom.

Furniture Making

Introduction to Woodworking I

Credit: 1/2
Level: III
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT5716
Spring: 9, 10 AT5717
Fall: 11, 12 AT5711
Spring: 11, 12 AT5712
Prerequisite: None

This course is designed to introduce the student to the safe operation of industrial machinery, power tools, and hand tools. Students will complete three projects designed to teach the fundamentals of basic joinery, growth ring lay out, gluing/clamping, and finishing techniques. We begin with an in-depth study of the machinery and power tools used in this industry with a major examination of how they work, and most importantly, how to use them in a safe and productive manner to produce furniture. Each student will then have an opportunity to make several beginning level projects that he/she will bring home throughout the semester. Students will be responsible for lumber and hardware fees of $55.00.

Introduction to Woodworking 2

Credit: 1/2
Level: III
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT5726
Spring: 9, 10 AT5727
Fall: 11, 12 AT5721
Spring: 11, 12 AT5722
Prerequisite: Introduction to Woodworking I

This course picks up where Introduction to Woodworking 1 leaves off. Students will build a piece of furniture by using the knowledge gained from the first course and building upon it with new techniques and joinery. Students will be encouraged to work more independently, and collaborate with other students using team building skills during parts of the project. Emphasis will be placed on raising quality standards. Students will be responsible for lumber and hardware fees of $75.00.

Furniture & Cabinet Making I

Credit: 1
Level: IV
Grade Offered: 9, 10, 11, 12
Fall: 9, 10 AT5846
Spring: 9, 10 AT5847
Fall: 11, 12 AT5821
Spring: 11, 12 AT5822
Prerequisite: None

This course will allow the student to study furniture making by using hand tools, power tools, and industrial machinery. During this year-long course, students will be given the opportunity to make a flat paneled, solid hardwood, blanket chest. The standard choice of lumber is red oak. For an additional cost, students can choose to upgrade to ash, quartered red oak, quartered white oak, or cherry during the first two weeks of the class. Students will be responsible for basic red oak lumber and hardware fees of $160.00.

Furniture & Cabinet Making II

Credit: 1
Level: IV
Grade Offered: 10, 11, 12
Fall: 10 AT5856
Spring: 10 AT5857
Fall: 11, 12 AT5851
Spring: 11, 12 AT5852
Prerequisite: Furniture & Cabinet Making I

This course has been designed to allow students to continue to study advanced furniture making skills. Students will build on the previous year's knowledge through the opportunity to make a solid wood computer table/writing desk with turned legs, and with a pullout keyboard and/or dovetailed drawer boxes. The standard choice of lumber is red oak. For an additional cost, students can choose to upgrade to ash, quartered red oak, quartered white oak, or cherry during the first two weeks of the class. Students will be responsible for basic red oak lumber and hardware fees of $225.00. Students taking the course for duplicate credit (DC) will make a small entertainment console by using veneered plywood, solid wood face frames mitered into fl at paneled sides, dovetailed drawer boxes, flat paneled drawer fronts and solid flat paneled doors, and adjustable shelving. Choices of woods are red oak, quartered red oak, white oak, quartered white oak, and cherry. Students will be responsible for lumber and hardware fees that range between $290 to $450.00, depending upon the lumber chosen.

General Electives

Adaptive Tech Leader

Credit: 1/2
Level: III
Grade Offered: 10, 11, 12
Spring: 10 AT7107
Spring: 11, 12 AT7102
Prerequisite: None

This is a one semester course designed for any student who is interested in working alongside special education peers within an Applied Tech course. Students will develop an understanding and gain experience in: modifying activities to meet individual needs, developing lessons and assisting with instruction, and working alongside peers with special needs to develop meaningful connections. Students will be involved in partnering with and assisting students in acquiring skills through a variety of engaging activities. This course fulfills a practical art elective requirement.

Home Maintenance & Construction

Credit: 1/2
Level: III
Grade Offered: 11, 12
Fall: 11, 12 AT5221
Spring: 11, 12 AT5222
Prerequisite: None

This course is for students who wish to learn the basic skills in maintaining a home. Students will learn how to repair basic electrical circuits, basic framing construction, drywall installation, mudding/taping and hole repair for drywall, painting, installation of ceramic tile, basic plumbing of copper and PVC, and demolition. Skills developed will help students maintain, upgrade and care for a home while saving money by doing the work themselves.

Career Internship Program

Credit: 1/2 (dc)
Level: IV
Grade Offered: 11, 12
Fall: 11, 12 AT5571
Spring: 11, 12 AT5572
Summer: AT5558 or AT5559

This course is designed for a student who is seeking to complete an internship in partnership with LTHS. Detailed information about qualifying for a Career Internship Program class can be found in the Career Internship Guidelines for Approval section of the Guide. An application does not guarantee admission.

Applied Technology Classes

When choosing Annual Courses, you will need the first and second semester codes.

Freshmen

Annual

AT5846/7	Furniture / Cabinetmaking I

Fall Only

AT5156	Aviation 1
AT5166	Aviation 2
AT5536	Engineering Design
AT9546	Engineering & Invention 1
AT5616	Robotics 1
AT5626	Robotics 2
AT5716	Intro to Woodworking 1
AT5726	Intro to Woodworking 2
AT6226	Small Engines
AT6346	Engine Rebuild & Diagnostics

Spring Only

AT5157	Aviation 1
AT5167	Aviation 2
AT5537	Engineering Design
AT9547	Engineering & Invention 1
AT5617	Robotics 1
AT5627	Robotics 2
AT5717	Intro to Woodworking 1
AT5727	Intro to Woodworking 2
AT6227	Small Engines
AT6347	Engine Rebuild & Diagnostics

Sophomore Coures

Annual

AT5846/7	Furniture / Cabinetmaking I
AT5856/7	Furniture / Cabinetmaking I

Fall only

AT5156	Aviation 1
AT5166	Aviation 2
AT5176	Drones: UAS
AT5216	Principles of Aeronautical Science
AT5536	Engineering Design
AT9216	Architectural Engineering Design 1
AT9316	Architectural Engineering Design 2
AT9546	Engineering & Invention 1
AT5616	Robotics 1
AT5626	Robotics 2
AT5716	Intro to Woodworking 1
AT5726	Intro to Woodworking 2
AT6226	Small Engines
AT6346	Engine Rebuild & Diagnostics

Spring Only

AT5157	Aviation 1
AT5167	Aviation 2
AT5177	Drones: UAS
AT5217	Principles of Aeronautical Science
AT5537	Engineering Design
AT9217	Architectural Engineering Design 1
AT9317	Architectural Engineering Design 2
AT9547	Engineering & Invention 1
AT5617	Robotics 1
AT5627	Robotics 2
AT7107	Adaptive Tech Leader
AT5717	Intro to Woodworking 1
AT5727	Intro to Woodworking 2
AT6227	Small Engines
AT6347	Engine Rebuild & Diagnostics

Junior & Senior Courses

Annual

AT3361/2	Private Pilot Operations
AT9311/2	Architectural Engineering Design II
AT5311/2	Automotive Service & Diagnostics
AT5821/2	Furniture / Cabinetmaking I
AT5851/2	Furniture / Cabinetmaking II

Fall Only

AT5171	Drones: UAS
AT5211	Principles of Aeronautical Science
AT3361	Private Pilot Operations
AT5911	Car Care Essentials
AT5571	Career Internship
AT5531	Engineering Design
AT9541	Engineering & Invention 1
AT6411	Engineering & Invention 2
AT8531	Advanced Engineering Design
AT9211	Architectural Engineering Design 1
AT9311	Architectural Engineering Design 2
AT5611	Robotics 1
AT5621	Robotics 2
AT6351	Automotive Engineering & Fabrication
AT5711	Intro to Woodworking 1
AT5721	Intro to Woodworking 2
AT5221	Home Maintenance and Construction

Spring Only

AT5172	Drones: UAS
AT5212	Principles of Aeronautical Science
AT3362	Private Pilot Operations
AT5912	Car Care Essentials
AT5572	Career Internship
AT5532	Engineering Design
AT9542	Engineering & Invention 1
AT6412	Engineering & Invention 2
AT8532	Advanced Engineering Design
AT9212	Architectural Engineering Design 1
AT9312	Architectural Engineering Design 2
AT5612	Robotics 1
AT6352	Automotive Engineering & Fabrication
AT7102	Adaptive Tech Leader
AT5622	Robotics 2
AT5712	Intro to Woodworking 1
AT5722	Intro to Woodworking 2
AT5222	Home Maintenance and Construction

Honor our tradition of excellence, foster innovation, and empower all students in their quest for a fulfilling life.

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