

# APPLIED SCIENCES DEPARTMENT

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**East Office Telephone: 708-202-1646**  
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A number of Proviso's Technology courses have been articulated with career education courses at **TRITON COLLEGE**.

This means that credit from these courses may be applied toward specific associate degrees or certificate programs at Triton. Contact your counselor for more information.

## APPLIED TECHNOLOGY at a Glance

Course	Grade	Credit
Exploring Industrial Technology	9	1.0
Principles of Technology	11,12	1
Auto Tech 1 / Small Engines	All	0.5
Automotive Technology	10,11,12	1
Advanced Auto. Tech 1,2	11,12	1 to 2
Career Auto. Tech 1,2	12	1 to 2
TV Production 1,2	10,11,12	1
Advanced TV Production 1, 2	11,12	1
Electronics Tech 1,2	10, 11, 12	1
Drafting/CAD Technology 1, 2	10, 11, 12	1
Internet Multi-Media Comm.	11,12	0.5
Desktop Publishing 1,2	10, 11, 12	0.5 to 1
Printing Technology 1,2	10,11,12	1
Intro. Woodworking Careers 1,2	10, 11,12	1
Fire Protection and Maintenance	10, 11, 12	0.5
Industrial Cooperative Educ. 1, 2	11, 12	1 to 2
Industrial Cooperative Educ. 3, 4	12	1 to 2
Independent Study	11,12	0.5 to 1

## APPLIED TECHNOLOGY Courses

### **Exploring Technology**

**T288 (T807 Sem. 2)**

No prerequisite

Year course

Grade 9

1.0 credit

In this course, students study transportation, communication, and construction systems. Topics lasers, fiber optics, computer-aided design, communications, and other technological trends that technical literacy.

### **Principles of Technology**

**T245**

Prerequisite: Minimum grade of C  
in two science classes

Year course

Grades 11, 12

1 credit

Students will study Physics principles and their applications. The topics of forces, vectors, fluids, heat, light, sound, mechanisms, optics, electricity, and electromagnetism are studied using robotics, hydraulics, pneumatics, holography, fiber optics, lasers, sensors, and motors. This course emphasizes the development of traditional Physics concepts and technical skills.

**Note:** This course may count for science credit.

### **Small Engines**

**T286 (T796 Sem. 2)**

No prerequisite

Semester course; offered both semesters

Grades 9, 10, 11, 12

1.0 credit

This is an introductory course in the operation of two and four cycle engines used in transportation and industry. Studies include diesel, rotary, and alternative forms of power, such as solar and atomic. Students rebuild and service various engines, including lawnmowers, minibikes, and snow blowers.

### **Automotive Technology**

**T300**

No prerequisite

Year course

Grades 10, 11, 12

1.0 credit

This course includes the operation of two and four-cycle engines. It provides the student with proper information and skills needed to identify, test, and repair various automobile components, such as fuel, ignition, cooling, drive train, suspension, and chassis.

# APPLIED SCIENCES

## Applied Technology

### Advanced Automotive Technology 1 and 2

**T277** Grades 11, 12  
Prerequisite: Automotive Technology 2 1 to 2 credits  
Year course

These courses emphasize tune-up testing and tune-up skill development. Topics include inspection, diagnosis, and testing procedures of engine parts and vehicle systems. The latter half of the program will follow the typical service station model. It is recommended that the student develop skills in metal fabrication and electrical theory.

### Career Automotive Technology 1 and 2

**T278** Grade 12  
Prerequisite: Adv. Auto. Technology 2 1 to 2 credits  
Year course

In these courses, students will apply the skills developed in Advanced Auto Technology. Students will inspect and repair automotive electrical, fuel, and mechanical systems. Computer diagnostic equipment will be used to develop troubleshooting skills.

### TV Production 1 and 2

**T249** Grades, 10, 11, 12  
No prerequisite: 1 credit  
Year course

Students are introduced to the production and performance components of broadcast journalism. Activities will include hands-on experiences with broadcasting equipment, program production, and on-air talent. Students will work cooperatively in production assignments and learn about the job responsibilities and duties of all production staff.

### Advanced TV Production 1 and 2

**T250** Grades 11, 12  
Prerequisite: TV Production 2 1 credit  
Year course

This course is designed for students who have successfully completed the first year of TV Production and have a desire to learn video editing and post-production aspects of the field.

### Electronics Technology 1 and 2

**T269** Grades 10, 11, 12  
No prerequisite 1 credit  
Year course

Students will study the history and science of electronics. These courses introduce the math relationships of power and Ohm's Law. Units include AC/DC concepts, safety, occupation opportunities, circuits, instrumentation, block systems, construction manufacturing, and testing.

### Drafting/CAD Technology 1 and 2

**T264** Grades 10, 11, 12  
No prerequisite 1 credit  
Year course

These courses cover fundamental skill applications common to all areas of drafting. Students will draw plans for machine parts and residential buildings. Students will be introduced to computer-aided drafting processes. Upon completion of the two semesters, students will have a general understanding of the job entry skills necessary to be a draftsman.

### Internet/Multi-Media Communications

**T268 (T768 Sem. 2)** Grades 11, 12  
No prerequisite 0.5 credit  
Semester course; offered both semesters

Students are introduced to Internet browsing, search engine techniques, electronic mail, HTML web page design, presentation software, and the writing process. Each student will select topics, brainstorm ideas, organize and outline, perform on-line research and produce products. Move course to business.

### Desktop Publishing 1

**T265 (T797 Sem. 2)** Grades 10, 11, 12  
No prerequisite 0.5 credit  
Semester course; offered both semesters  
Move course to business

This course is designed to introduce students to the basic hardware and software systems applied to Desktop Publishing. Hands-on projects utilizing Microsoft Publisher, Adobe Creative Suite 2 (InDesign, Photoshop, and Illustrator) and Work will enable the students to gain experience applying desktop publishing skills and concepts. Practical and written examinations will enable the students to evaluate their proficiency in the skills and knowledge of the subject.

### Desktop Publishing 2

**T765 (T267 Sem. 2)** Grades 10, 11, 12  
Prerequisite: Desktop Publishing 1 0.5 credit  
Semester course; offered both semesters

This course builds on the theory, concepts, and practices of Desktop Publishing 1. Students will produce copy using Adobe Creative Suite 2 (InDesign, Photoshop, and Illustrator) and iWork. Web Page design using Macro



**Printing Technology 1 and 2**

**T071 (T271 Sem. 2)**

Grades 10, 11, 12

No prerequisite

1 credit

Year course

Students are introduced to the printing processes of computer desktop publishing, photo offset lithography, and screen printing. In addition, students will be introduced to design and layout, prepress, press, and binding and finishing. During the second semester, emphasis is placed on screen printing, desktop publishing, and production techniques.

**Introduction to Woodworking Careers 1 and 2**

**T259**

Grades 10, 11, 12

Year Course

1 credit

This is an enrichment program designed to introduce students to basic woodworking tools and techniques. Students will use hand and power tools to make projects of their own choosing. Typical projects include items such as clocks, signs, tool boxes, cabinets, and bookshelves. Students will purchase materials used in projects.

**Fire Protection and Maintenance**

**X650**

Grades 10, 11, 12

Prerequisites: World Civilization; Biology

0.5 Credit

Semester course

This course studies the organization and function of fire prevention, inspections and hazard analysis, and a survey of fire protection equipment. It takes a closer look at direct and indirect personnel functions and the responsibilities and coordination of other fire-related agencies. It examines the organization and management of fire services, including new technologies and changing organizational structures. This course is part of the Proviso East Magnet School Assistance Program MSAP in Public Safety

**Industrial Cooperative Education 1 and 2**

**T255**

Grades 11, 12

Prerequisites: 16 years of age

1 to 2 credits

Approval of coordinator

0.5 credit in any Applied Tech Course

Concurrent enrollment in at least a 0.5 credit

course in Cooperative Education, although one

full credit is highly recommended

Special prerequisite: Enrollment in both semesters will fulfill the final graduation requirement in Consumer Education.

Year course

This program is designed for grade 11 and grade 12 students who are interested in pursuing careers in industrial occupations. Students hold a regular, career related part-time job for their paid cooperative education work experience and participate in at least 200 minutes per week of related classroom instruction. The courses emphasize further career education opportunities, planning for the future, job seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, and job termination. Classroom

instruction is based on the tasks required in a particular occupation and on required employability skills. Students are required to belong to the VICA club.

**Industrial Cooperative Education 3 and 4**

**T256**

Grade 12

Prerequisites: Industrial Coop-Ed. 2

1 to 2 credits

Approval of coordinator

Special prerequisite: Both semesters are needed to fulfill

Consumer Education graduation requirement

Year course

These courses continue and expound upon the facets of Industrial Cooperative Education I and 2.

**Independent Study in the Applied Sciences**

**T501**

Grades 11, 12

Prerequisite: Departmental approval

0.5 to 1 credit

One or two semester course

Independent study must be appropriately designed and approved. The course will cover the knowledge and skills identified by the student working in cooperation with the selected faculty member. See Independent Study under the Alternative School Center and Innovative Programs, p. 16-17.



## BUSINESS EDUCATION

**East Office Telephone: 708-202-1653**  
**West Office Telephone: 708-202-6353**

Students may meet the Consumer Education requirement by passing the State of Illinois Proficiency Examination to be administered in the fall and winter of each school year.



Students develop basic skills in keyboarding techniques, Internet access, and computer literacy. Emphasis is placed on keyboarding techniques, accuracy development, and problem solving. Students will format documents using a word processing program, access information using the Internet, and learn to organize and analyze data using a database and spreadsheet program. Time will be made available for students to prepare assignments that require the use of these software applications.

### BUSINESS EDUCATION at a Glance

Course	Grade	Credit
Computer Applications/Keyboarding	All	0.5
Exploring Business on the Internet	9,10	1.0
Computer Concepts & Applications	10, 11, 12	0.5
Accounting 1	10,11,12	1
Accounting 2	11, 12	1
Marketing	10, 11, 12	0.5
Consumer Education	10, 11, 12	0.5
Business Ownership & Concepts	11, 12	0.5
Global Business	11, 12	0.5
Sports, Recreation, and Entertainment Marketing	11,12	0.5
Business Law	11, 12	0.5
BASIC Programming	11,12	0.5
Internet/Multi-Media Communications 1	11,12	0.5
Marketing Cooperative Educ. 1,2	11,12	1 to 2
Marketing Cooperative Educ. 3, 4	12	1 to 2
Office Occupations 1, 2	11,12	1 to 2
Office Occupations 3, 4	12	1 to 2
Independent Study	11,12	0.5 to 1

#### Exploring Business on the Internet B225 (B775 Sem. 2)

No prerequisite  
Year course

Grades  
1.0 credit

This course is a workplace simulation designed to help students become effective in an online, interactive, computer workplace. Students will use the Internet and World Wide Web to complete Web-based exercises. Topics include communications, marketing, business law, finance, human resources, investments, technology, and career exploration.

#### Computer Concepts and Applications

B236 (B787 Sem. 2)

No prerequisite  
One-semester course

Grades 10, 11, 12  
0.5 credit

Students study computer technology, design solutions to solve problems, and use computer applications to implement solutions. The use of spreadsheets, word processing, database management, graphics, desktop publishing, and Internet software are integral parts of the course content.

#### Accounting 1

B232

Prerequisite: One-year high school math  
Year course

Grades 10, 11, 12  
1 credit

These are skill-level courses that are of value to all students pursuing a background in business finance, marketing, and management. These courses include planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records including the paying and receiving of money.

### BUSINESS EDUCATION Courses

#### Computer Applications / Keyboarding

**B209 (B784 Sem. 2)**

Grades 9,10,11,12

**B210 ESL**

0.5 credit

No prerequisite

Semester course; offered both semesters

# APPLIED SCIENCES

## Business Education

Instruction includes the interpretation and analysis of data to provide assistance to management for decision-making.

Accounting computer applications will be integrated throughout the course. Students will use spreadsheet and automated accounting software to complete problems and simulations. Career opportunities in the accounting field will be discussed throughout the school year. Practice sets with business papers may be used to emphasize actual business records management. These courses provide a technical background for college bound students who plan a business curriculum, as well as those who wish vocational preparation.



Students who successfully complete each semester with a final grade of A or B will receive credit in Accounting 100 at TRITON COLLEGE.

### Accounting 2

**B233**

Prerequisite: Accounting 1  
Year course

Grades 11, 12  
1 credit

These are skill-level courses that build upon the foundation established in Accounting 1 and 2. These courses are planned to help students develop a thorough knowledge of the principles of accounting with more emphasis being placed on corporate accounting. Students study previously learned principles as they apply to more complicated types of business organizations. The students may become familiar with such specialized fields as cost and managerial accounting. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications. Computer application accounting will be integrated throughout the course.



Students who successfully complete each semester with a final grade of A or B will receive credit in Accounting 101 at TRITON COLLEGE.

### Marketing

**B231 (B788 Sem. 2)**

No prerequisite  
One-semester course

Grades 10, 11, 12  
0.5 credit

This course provides a basic understanding of marketing principles. Topics include advertising, sales, retailing, wholesaling, merchandising, pricing, and product development.

### Consumer Education

**B222 (B780 Sem. 2)**

**B785 ESL**

**G121** (Category I Grade Weighting)

No prerequisite  
Semester course; offered both semester

Grades 10, 11, 12  
0.5 credit

Students will study installment purchasing, budgeting, and comparison of prices. Other topics include the consumer in the marketplace, credit, buying of goods and services (housing, food, transportation, clothing, health, recreation, home furnishings, and appliances), insurance, savings and

investments, taxes, the consumer in the economy, and labor and trade unions.

**Note:** This course fulfills the CONSUMER ED. Graduation requirement.

### Business Ownership and Concepts

**B783 (B229 Sem. 2)**

No prerequisite  
Semester course; offered both semesters

Grades 11, 12  
0.5 credit

Students will focus on the development and operation of a business and understanding business concepts as they relate to entrepreneurship. Units covered will include management, marketing, finance, personnel, and a business plan.

### Global Business

**B790**

No prerequisite  
Semester course; offered 2<sup>nd</sup> semester

Grades 11, 12  
0.5 credit

This course provides a basic understanding of international business. Topics include cultural influences, political and economic environment, geography, economics, foreign exchange, import/export procedures, finance, marketing, and customs procedures.

### Sports, Recreation, and Entertainment Marketing

**B238 (B738 Sem. 2)**

No prerequisite  
Semester course; offered both semesters

Grades 11, 12  
0.5 credit

This course provides students with an alternative to traditional marketing while exploring the sports and entertainment industry. The student will use traditional business topics, such as business, management, and entrepreneurship; communication and interpersonal skills; economics; and professional development foundations. Emphasis is placed on the functions of financing, marketing information management, pricing, product/service management, promotion, and selling. This class includes hands-on learning and simulated occupational experiences, as well as projects relating to a sports franchise or an entertainment complex.

### Business Law

**B228 (B782 Sem. 2)**

No prerequisite  
One-semester course

Grades 11,12  
0.5 credit

This course helps students understand every day law: contracts, bailments (possession of personal property), crimes (assault and battery), torts, sales contracts, commercial paper (checks, etc.), property, and agency.

### BASIC Programming

**B235 (B786 Sem. 2)**

Prerequisite: Computer Concepts and  
Applications or Algebra  
One-semester course

Grades 11, 12  
0.5 credit

This course introduces students to Visual Basic Programming. It is a hands-on experience that shows students how to plan and create their own Windows applications. These applications include both business and personal applications. Some of the topics covered include Microsoft Windows design, variables constants, graphics, arrays, and sequential and random access files.

### **Internet/Multi-Media Communications 1**

**T268 (T768 Sem. 2)** Grades 11, 12  
No prerequisite 0.5 credit  
Semester course; offered both semesters

Students are introduced to Internet browsing, search engine techniques,, electronic mail, HTML web page design, presentation software, and the writing process. Each student will select topics, brainstorm ideas, organize and outline perform on-line research and produce products.

### **Marketing Cooperative Education '1 and 2**

**B218** Grades 11,12  
16 years of age 1 to 2 credits

Prerequisites: 16 years of age  
Approval of coordinator  
0.5 credit in any Voc. & Tech Educ.  
Concurrent enrollment in at least a 0.5 credit course in Business Education. One full credit is highly recommended.

Special prerequisite: Both semesters are needed to fulfill Consumer Education graduation requirement.

Year course

This program is the in-school phase of Marketing Coop 1 and 2. First semester topics include orientation to distributive education, occupational exploration, fields of distribution, sales, and distributive mathematics. Second semester topics include human relations and communication, economic importance of advertising, job interviews and applications, and credit. Marketing Coop is a capstone program allowing students to intern in the business community and receive high school credit.

### **Marketing Cooperative Education 3 and 4**

**B216** Grade 12  
Prerequisites: Marketing Coop-Educ. 2 1 to 2 credits  
Approval of coordinator

Special prerequisite: Both semesters are needed to fulfill Consumer Education graduation requirement.

Year course

This program is the in-school phase of Marketing Coop 3 and 4. First semester topics include career orientation, marketing and business math, and sales. Second semester topics include advertising, buying, marketing research, and operations. These courses are a continuation of Marketing Coop I and 2, allowing students to intern in the business community and to further refine and develop their marketing skills.

### **Office Occupations 1 and 2**

**B239** Grades 11,12  
Two-semester course – Group B 1 to 2 credits

Prerequisites: 16 years of age  
Approval of coordinator  
Keyboarding 1

Special prerequisite: Both semesters are needed to fulfill Consumer Education graduation requirement.

Year course

This program is the in-school phase of Office Occupations 1 and 2. First semester topics include job interviews and applications, filing, keyboarding review, human relations, and grooming. Second semester topics include reprographics, proofreading, editing, word processing, and career objectives. Office Occupations 1 and 2 is a capstone program allowing students to intern in the business community and receive high school credit.

### **Office Occupations 3 and 4**

**B240** Grade 12

Prerequisites: Office Occupations 2  
Approval of coordinator

Special prerequisite: Both semesters are needed to fulfill Consumer Education graduation requirement.

Year course

This program is the in-school phase of Office Occupations 3 and 4. First semester topics include a variety of mini simulation projects. Students learn personal effectiveness, refine telephone usage and records management, reprographics, vocabulary, spelling and grammar, business letter review, arranging for travel, meetings, and conferences, employment testing, problem solving, decision making, time management, and human relations. Second semester topics include a simulation project in which students role play various positions in a "company" and apply the training and skills they have learned in the Cooperative Office Occupations Program. These courses follow Office Occupations 2, allowing students to intern in the business community and further refine and develop their office skills.

### **Interrelated Cooperative Education?**

### **Independent Study in the Applied Sciences**

**T501** Grades 11,12  
Prerequisite: Departmental approval 0.5 to 1 credit

One or two semester course

Independent study must be appropriately designed and approved. The course will cover the knowledge and skills identified by the student working in cooperation with the selected faculty member. See Independent Study under the Alternative School Center and Innovative Programs, p. 16-17.

# FAMILY AND CONSUMER SCIENCES

**East Office Telephone: 708-202-1664**

**West Office Telephone: 708-202-6364**

The purpose of Family and Consumer Sciences education is to empower all students to *be* active participants in determining their future. Family and Consumer Sciences education enables students to identify, apply, and use information from a variety of disciplines to improve their quality of life as individuals and family members in the home, the community, and the workplace. Family and Consumer Sciences provide management skills enabling individuals to maintain meaningful and productive lives in a rapidly changing social, economic, and technological world. The curricula emphasize skills for acquiring and maintaining employment and strengthening personal and family ties.

## FAMILY & CONSUMER SCIENCES at a Glance

Course	Grade	Credit
Foods and Nutrition 1, 2	10, 11, 12	1
Advanced Foods/Food Service 1, 2	10,11, 12	1
Fashion Technology	10, 11, 12	1
Human Development 1, 2	10,11, 12	1
Teaching internship 1, 2, 3, 4	11, 12	1
Housing / Interior Design 1, 2	11, 12	1
Home Economics Cooperative Education / HERO 1, 2	11, 12	1 to 2
Home Economics Cooperative Education / HERO 3, 4	12	1 to 2
Independent Study	11, 12	0.5 to 1

## FAMILY & CONSUMER SCIENCES Courses

### Foods and Nutrition 1 and 2

**H301** Grades 10, 11, 12  
 No prerequisite 0.5 to 1 credit  
 Year course

The first semester of this course includes classroom and laboratory experience in analysis of nutrition, food preparation, care and safe use of equipment, sanitation, manners, table setting, and service as these concepts apply to the food service industry. Consumerism and mathematical and scientific concepts will be applied to the units. A food 1 is a prerequisite to Foods II.

The second semester reviews the basic principles of food preparation and service, nutrition analysis, and care and safe use of equipment. Expanded techniques of food preparation and meal service will be taught. Careers in the hospitality industry will be explored.

### Advanced Foods / Food Service 1 and 2

**H302** Grades 11,12  
 Prerequisite: Foods and Nutrition 1 & 2 1 credit  
 Year course

These courses help students during the first semester to develop skills in sanitation and safety in planning, preparing, and serving food through classroom and laboratory experiences. Emphasis will be placed on developing food preparation techniques and human relations and management skills. Students will become acquainted with career opportunities in food service and hospitality.

During the second semester, there is a review of safety and sanitation with an introduction of commercial techniques. Development of advanced skills in planning, preparation, and serving food will be emphasized. Quantity food cookery will be studied along with emphasis being placed on the creative presentation and servicing of food. Focus will be placed on food service management operations, future trends, human relation skills, and career development.

### Fashion Technology

**H404 (H804 Sem. 2)** Grades 10, 11, 12  
 No prerequisite 1 credit  
 Year course

Students will learn to use the current technology in the Fashion Industry. Included will be general clothing construction, use of home sewing machines, the serger, the computerized sewing machine, computerized embroidery application, and computer- aided design. Students will learn mass production skills, as well as flat pattern drafting, quilting, and alteration techniques. Emphasis will be on careers in this field.

### Human Development 1 and 2

**H305** Grades 10, 11, 12  
 No prerequisite 1 credit  
 Year course

Human Development I focuses on life prior to conception through the toddler years. This course includes the following topic areas: choosing parenthood or careers related to working with or for children; analyzing different family situations; acquiring parenting skills; investigating through the use of technology factors that affect conception, prenatal development, pregnancy and childbirth; and establishing developmentally appropriate care-giving practices for both infants and toddlers. Outside speakers, educationally appropriate field trips together with observations and the ability to work with young children will be made available to the student.

# APPLIED SCIENCES

## Family and Consumer Sciences

Human Development 2 focuses on life from the adolescence years through the aged, including the stages of death and dying. This course includes the following areas of study: analyzing the self-concept with regards to one's beliefs and value systems; assessing skills for making healthy decisions about one's body image, sexuality, interpersonal relationships; and evaluating consequences of poor choices such as pregnancy, STI's, gang/cult affiliations, substance abuse, abusive relationships; running away, and suicide. Steps in the formation of intimacy and generativity are promoted through discussions about dating, love, engagement, marriage and family life. In addition, students judge alternative adult lifestyles as well as select careers that insure sound financial securities. Family, money and stress management skills are taught. The aging process of the elderly is researched through opportunities to work one-on-one with senior citizens from the community. Outside speakers and meaningful field trips will be made available for students to participate in. along with, cooperative learning activities such as a mandatory community service project.

### Teaching Internship 1 & 2 and 3 & 4

H312

Grades 11, 12

Prerequisite: Human Development 1 & 2

1 credit

Year course

Teaching Internship 1 and 2 and 3 and 4 are courses offered to students considering a career in the field of education. These courses meet two periods per day. For the first three weeks of each semester, students will incorporate critical thinking and problem solving skills while exploring issues related to educating today's youth. By providing high-level experiences in both age-appropriate curriculum development and teaching/learning theories and strategies, students will gain confidence in implementing effective guidance techniques while managing classroom behavior.

After these weeks of orientation, each student will be placed in a local K-8 school. Every attempt will be made to place a student in a situation that reflects their interest and personal career goals. internships will be completed Tuesday through Thursday, in which students will implement multi-media technology within planned lessons under the direct supervision and guidance of mentor teachers as well as expand their interpersonal communication skills with the communities' families.

On Monday and Friday, students will return to their home school for further instruction on ethical and legal issues affecting education. The high school teacher will make regular visits to the schools to observe the student and meet with the cooperating teachers.

### Housing I Interior Design 1 and 2

H300

Grades 10, 11, 12

No prerequisite

1 credit

Year course

These courses provide the student with an opportunity to identify his/her housing values, needs, and trends in evaluating and selecting housing options. Different housing styles and the drawing of floor plans will be studied by both field trip experiences as well as the use of the internet. Students will evaluate communities and analyze the options of renting apartments or buying homes.

Students in second semester will explore and expand their knowledge by creating a trend-setting model of current interior styles of design: furnishings, bedding, bathroom ensembles, kitchen motif, wood workings, window treatments and carpeting.

### Home Economics Coop. Educ. / HERO 1 and 2

H309

Grades 11,12

Prerequisites:

1 to 2 credits

One semester of a FACS course  
Approval of coordinator  
Semester or year course  
With coordinator's approval

The Home Economics Cooperative Education (HERO) program is a cooperative education class designed to enhance student's academic knowledge, expand their interest in a Family & Consumer Science related occupational area and career preparation through a combination of classroom theory, practical work experience and/or additional career orientation classes at Triton College. The students will learn valuable marketable skills while in school and are able to begin their career goals by earning college credits by attending classes at Triton College.

### Home Economics Coop. Educ. / HERO 3 and 4

H298

Grade 12

Prerequisites: HERO 1 and 2

1 to 2 credits

Approval of coordinator  
Semester or year course  
With coordinator's approval

Year course

The Home Economics Cooperative Education (HERO) 3 and 4 courses are capstone courses providing students opportunities to expand interests in Family and Consumer Sciences into the world of work. Students will gain on the job training in a Home Economics related occupation. Students will develop marketable skills from on-the-job experiences together with related classroom learning. A training plan based on a verified task list is developed identifying the training that is to be provided. The related class will further develop skills and attitudes. Membership in the national student youth organization, Family, Community and Careers leaders of America (FCCLA), is suggested. This organization encourages personal growth, leadership development, family and community involvement, and preparation for the multiple roles of wage earner, community leader and family member.

### Independent Study in the Applied Sciences

T501

Grades 11, 12

Prerequisite: Departmental approval

0.5 to 1 credit

One or two semester course

Independent study must be appropriately designed and approved. The course will cover the knowledge and skills identified by the student working in cooperation with the selected faculty member. See Independent Study under the Alternative School Center and Innovative Programs, p.16-17.