



COURSE CATALOG 2026 - 2027

CAREERTEC programs explore content through real-world applications and work-based learning experiences, including job shadows, guest speakers, and internships, enabling pathways to dual credit, certifications, degrees, and careers. Students must have credits indicating they are of junior or senior status when starting any program except NJROTC, which is for 9-12th graders.

Students are required to meet with the course instructor before acceptance into these specific programs:

- Health Occupations (HOYA)
- Careers in Business (CIB)
- Cosmetology & Nail Tech

Students can apply for a CareerTEC class in January with our online application; parental consent is required: [CareerTEC FY27 Course Application](#) then register through their counselor at their local schools.

Program acceptance is based on student interest, attendance record, discipline, and grade point average of 2.0 or higher; however, students who do not meet this criteria may be accepted with CareerTEC and home school approval.

Students must be registered by **April 7** to be a guaranteed student; however, applications will be accepted beyond April 7 if seats are available and with instructor approval, if applicable.

In conjunction with CAREERTEC, Highland Community College offers dual credit opportunities for most programs, as noted in course descriptions.

ATTENDANCE

Students are expected to be in attendance according to each course location's calendar. Locations for each program are listed below and in descriptions. Start dates can be found at www.careertec-il.org in July of the upcoming school year.

- Classes listed for Freeport High School, St. John's, and Construction follow the **CAREERTEC calendar**.
 - Careers in Auto Technology (CATS)
 - Careers in Business (CIB)
 - Construction Trades (CTYA)
 - Culinary Arts
 - Digital Design & Animation (DDA)
 - Health Occupations (HOYA)
 - Navy Junior Reserve Officer Training Corps (NJROTC)
- Classes held at Highland Community College (HCC), taught by HCC staff, follow the **HCC calendar**.
 - Agricultural Science & Industry Capstone
 - Auto Mechanics HCC
 - Computer Science and Information Systems (CSIS)
 - Cosmetology
 - Nail Tech
 - Criminal Justice
 - Early Childhood Education (ECE)
 - Industrial Manufacturing

FEES

- Fees for participation in all CAREERTEC programs are listed within each course description & are subject to change.
- All CAREERTEC required fees are to be paid by student/parent at home schools during local school registration.
- All Highland required fees are to be paid by the student/parent at the Highland business office before the first day of class. **A student must be registered as an HCC student before these fees can be paid.**
- Applications for FEE WAIVERS are available at the local school.
 - They must be completed and submitted DURING REGISTRATION AT THE LOCAL SCHOOL.
- Homeschool students may take any CAREERTEC class but need to register as a part-time student with their local public-school district in accordance with their tuition payment agreement.

BOOKS

(All prices are approximate and are subject to change)

- Information regarding books will be mailed to students during the summer
- MOST Highland classes require book purchase by the student

AGRICULTURAL SCIENCE & INDUSTRY CAPSTONE

Level:	11th & 12th grade
Class Location:	Highland Community College, Freeport
Length:	One year
Time/Day:	1 – 2:25 p.m., Mon. - Thurs.
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 14 credits
HCC Fees:	\$847.50
Textbook Fees:	\$0 (included in HCC fees)
Calendar:	This course follows the HCC calendar
State Course ID:	Sem1: 18051A003 (AGRI 286); Sem2: 18405A001 (AGRI 187), 18101A002 (AGRI 186)

This Agriculture Capstone experience is for students interested in animals, plants, food, technology, mechanics, and the environment. The complete experience will result in the attainment of 14 college credits earned through one agriculture career exploration course and three university transfer courses that also count toward certificate and applied science degrees at Highland Community College.

All fees listed are approximate and are subject to change.

FALL SEMESTER

AGOC 102: Agriculture Careers Survey (3 Credits)

This course is composed of interactive experiences and career focused field trips that connect students to industry professionals and places of employment within the animal, plant, food, technology, mechanics, and environmental science sectors of the agricultural industry. Students will learn about modern science and technology within the agricultural industry as they explore careers, discuss current events, and participate in laboratory activities.

AGRI 286: Crop Science (4 Credits)

Classification, growth, reproduction, and utilization of crops are studied in this course. Environmental, physiological, and nutritional factors affecting plant growth are explored. Plant soil relationships and current crop research are introduced.

SPRING SEMESTER

AGRI 186: Introduction to Animal Science (4 credits)

The fundamentals of animal nutrition and management, ruminant and non-ruminant animal digestion, genetics of breeding and improvement, marketing livestock, handling of livestock products, and the physiology of animals are covered in this course.

AGRI 187: Introduction to Precision Agriculture (3 credits)

This course will provide an overview of precision agriculture in a production agriculture setting, with the objective of using precision AG technology to improve management decisions. Topics will include Global Positioning Systems (GPS), Geographic Information Systems (GIS), yield monitors, remote sensing, direct sensing, GIS software, and variable rate application.

Students must achieve a passing grade in the fall semester in order for them to enroll in the spring semester of the Agricultural Science and Industry Capstone program.

CAREERS IN AUTO TECHNOLOGY & SERVICE I (CATS)

Level:	11 th and 12 th grade
Class location:	Freeport High School, Freeport
Length:	One year
Time:	7:30 – 9 a.m., Mon. - Fri.
H.S. Credit:	2 credits per year
Prerequisite:	9 th grade reading comprehension level, 8 th grade math skills level. Successfully passing Intro to Auto or instructor approval (placement test)
CAREERTEC Fees:	\$40 (includes lab fees, workbook, and one issuance of eye protection, <u>to be paid by student/parent at the high school during registration</u>)
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	Sem1: 20106A001 (Beginning Automotive Service); Sem2: 20104A001 (Automotive Technician I)



This course is a must for students with a desire to learn more about Auto Technology at an intermediate level. Working in the auto industry today is a big challenge. By developing entry-level diagnostic abilities (problem-based learning), the student will learn how and why a part or system works or doesn't work. Learning things by trial and error is inadequate and time consuming; classroom assignments and lab activities are taught daily with problem-based situations being presented and solved using math, common sense, mechanical aptitude, and written documentation by the students. Units covered are lighting systems, starting and charging, suspension and steering, tires and brakes systems, application of precision electrical and mechanical measuring devices, engine disassembly and inspection, vehicle inspection and maintenance, fuel system delivery service and advanced fuel, ignition, and control systems for small engines.

Each student will be required to do class work, which will consist of a workbook and text assignments along with the corresponding shop exercise in the required time frame. Each unit must be passed with a minimum proficiency level of 78%. Personal responsibility, professionalism along with workplace skills are stressed and graded in this course. The program requires students to be able to pass safety tests (w/100%) and procedures studied in the class and shop. Correct use of tools and equipment are studied and developed. Students will have the opportunity to participate in job shadowing and field trips based upon attendance and completed assignments. Participation as a coordinated interactive work team is stressed as students will be required to do managerial, customer relation, and use information technology regularly as it is applied to the automotive service industry. This course provides knowledge and experience to continue into the second year of this program, which requires independent study.

All fees listed are approximate and are subject to change.

CAREERS IN AUTO TECHNOLOGY & SERVICE II (CATS II)

Level:	12 th grade
Class location:	Freeport High School, Freeport
Length:	One year
Time:	7:30 – 9 a.m., Mon. - Fri.
H.S. Credit:	2 credits per year
Prerequisite:	Completion of Careers in Auto Technology I with C or better and 95% attendance
CAREERTEC Fees:	\$40 (includes lab fees, workbook, and one issuance of eye protection), <u>to be paid by student/parent at the high school during registration</u>
Calendar:	This course follows the CAREERTEC calendar
Other:	Students are required to provide their own standard and metric ¼ drive socket sets and screw drivers, to be kept on site before being allowed to work in the lab.
State Course ID:	20104A002 (Automotive Technician II)



This course is for students in 12th grade that have passed the first level the previous year. They will be required to perform specific repair and maintenance procedures on lab and live vehicles. These procedures will include writing invoices, performing the work, accessing needed repair information, and proving the repair fixed the problem. Assignments and lab activities are taught and applied on a regular basis within this course. In this level they will take the concepts learned the previous year and apply them regularly to develop proficiency for entering post-secondary education or the workforce. Students will have the opportunity to participate in job shadowing and field trips in this program based upon attendance and completed assignments. Workplace skills are taught in class and practiced at prospective places of employment and job shadowing sites. Units covered are Safety (100% passing grade requirement), review of level 1 curriculum, reconstruction of vehicle systems as a working lab model, and use of computers for documentation and recording. Systems not covered previously such as welding, axles, and clutches are also part of this course. I.C.E., E.V. (internal combustion, electric and alternatively fueled) are included. Each unit must be passed with a minimum proficiency level of 78%.

CAREERS IN BUSINESS (CIB) year 1

Level:	11 th and 12 th grade
Class Location:	St. John Church, Freeport
Time:	7:30 – 9 a.m. & 1 – 2:30 p.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit **9 credits
Prerequisites:	Meeting with instructor, minimum GPA, good attendance, and business/computer-orientation class (if offered), are required for acceptance into this program
CAREERTEC Fees:	\$25, to be paid by student/parent at the high school during registration
HCC Fees:	\$30 registration fee per school year, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	Sem1: 12009A001 (BUSN 141), 02154A001 (BUSN 125); Sem2: 10005A001 (INFT 131/135/140)



Careers in Business (CIB) is a program offering 9 dual credits (college credit) during year one and introduces a variety of business concepts that apply to all students, not only those interested in business careers. Job shadowing opportunities, guest speakers, and field trips reinforce areas students have studied within the business career clusters.

CURRICULUM

1. **Money Management:** Banking & Using Credit, Investing & Saving, Insurance, Taxes, Home Ownership, and Entrepreneurship Basics.
2. **Communication Skills:** Business Presentations, Writing Business Letters, Memos, and Business Proposals, Resumes, Interviewing Skills, and Job Applications
3. **College Exploration and Career Planning**
4. **Microsoft Word, Excel, and PowerPoint**

DUAL CREDIT COURSES

- BUSN 141: Business Communications
- BUSN 125: Math of Business
- INFT 140: Microsoft Excel
- INFT 131: Microsoft Word
- INFT 135: Microsoft PowerPoint

All accepted students will attend a mandatory orientation meeting prior to the start of classes.
All fees listed are approximate and are subject to change.

CAREERS IN BUSINESS II (CIB)

Level:	12 th grade
Class Location:	Internship sites
Time:	8 hours weekly; schedules determined by instructor, student and mentor
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit **2-4 credits
Prerequisites:	Completion of CIB year 1 with C or better and 95% attendance
HCC Fees:	\$15 registration fee per school year, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	12098A002 (Business Workplace Experience) <u>or</u> 12148A003 (Finance Workplace Experience)



After passing CIB 1, CIB 2 student have an internship gaining valuable experience outside of the classroom setting. *The student is responsible for finding an internship and transportation to and from the internship.*
All fees listed are approximate and are subject to change.

COMPUTER SCIENCE AND INFORMATION SYSTEMS (CSIS)

Level:	11 th and 12 th grades
Class Location:	Highland Community College
Time:	1 p.m. – 2:30 p.m., Mon. – Thurs.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit **12 credits
HCC Fees:	\$700
Optional Fees:	Student is responsible for any certification testing fees.
Textbook Fees:	Approximately \$240
Calendar:	This course follows the HCC calendar
State Course ID:	10004A001 (CSIS 120); 10020A001 (CSIS 130); 10152A001 (CSIS 140); 10011A001 (CSIS 160)

CSIS 120 – Introduction to Information Systems

This course offers students a well-rounded introduction to essential digital skills and concepts needed at home, school, and in the workplace. Topics include digital citizenship, safe and effective Internet use, and evaluating hardware and software for various environments. Students will explore digital security, ethics, and privacy. The course also covers fundamental computer operations such as input/output, data storage, operating systems, and networking. Learners delve into databases, program development, and web publishing, and are introduced to careers in technology. Hands-on projects using Microsoft Word, Excel, PowerPoint, and Access equip students with practical skills for academic and professional success.

CSIS 130 – Introduction to Cyber Security

This course provides students with an overview of security needs, network systems, and recommended safeguard solutions. This course incorporates topics of computer forensics and systems analysis, networking, telecommunications, cryptography, security system design, applicable law and regulations, risk assessment and policy analysis, contingency planning, and troubleshooting. This course also includes criminal justice topics such as issues related to privacy, terrorism, hacktivism, the dark web, and more.

CSIS 140 – Introduction to Programming

This course offers an introduction to computer programming. Students will begin with an overview of computers and programming languages before exploring problem analysis, coding, and execution. Emphasis is placed on structured programming methodologies to build code; object-oriented programming is also discussed. The course covers input and output operations, control structures such as selection and repetition, and key programming concepts including relational and logical operators, if/if-else statements, switch structures, and various loops (while, for, and do/while). Students will develop problem-solving skills and a solid programming foundation through hands-on coding exercises and real-world applications.

CSIS 160 – Introduction to Analytics

This course provides a comprehensive introduction to the field of data analytics. Students will begin with an overview of analytics, types of data, levels of measurement, and methods of data collection and storage. The course explores foundational topics such as variables, spreadsheets, and basic data visualizations. Emphasis is placed on data cleaning and preparation, as well as analytical methodologies like data mining, machine learning, and statistical analytics. Students will be introduced to, databases, algorithms, and core techniques such as regression analysis and predictive analytics. The course also includes an introduction to natural language processing (NLP), business intelligence, and examines ethical considerations and data privacy issues in analytics. Students will gain practical skills to turn data into actionable insights through hands-on activities.

	Mon	Tue	Wed	Thu
Fall Semester	CSIS 120	CSIS 130	CSIS 120	CSIS 130
Spring Semester	CSIS 140	CSIS 160	CSIS 140	CSIS 160

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed for HCC are approximate and are subject to rate changes and textbook pricing changes at HCC.

CONSTRUCTION TRADES YOUTH APPRENTICESHIP I

Level:	11th and 12th grades
Class Location:	Freeport High School shop by tennis courts / Construction Site
Time:	7:30 – 9 a.m. & 9:20 - 10:50 a.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
Prerequisite:	Knowledge of fractions and decimals
CareerTEC Fees:	\$50 <u>to be paid by student/parent at the high school</u> during registration
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	Sem1: 17001A001 (Beginning Construction); Sem2: 17002A001 (Construction Trades I)



Learn to build and/or remodel a house! Construction Trades Youth Apprenticeship Year I provide hands-on, introductory construction skills to students interested in the building industry. Students learn all aspects of construction within shop and on-site projects. Students receive OSHA-10 General Industry safety training within the first 2 weeks of class. Construction careers explored include carpenter, electrician, plumber, heating, and air conditioning technician, dry-walling, roofer, construction technician as well as manager and architect. With the support of area industries, this course is an important first step toward success within the construction trades industry.

All fees listed are approximate and are subject to change.

CONSTRUCTION TRADES YOUTH APPRENTICESHIP II

Level:	12 th grade
Class Location:	Freeport High School shop by tennis courts / Construction Site
Time (option 2):	7:30 – 9 a.m. & 9:20 – 10:50 a.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
Prerequisite:	Successful completion of CTYA I with a C or above and 95% attendance
CareerTEC Fees:	\$50 <u>to be paid by student/parent at the high school</u> during registration
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	17002A002 (Construction Trades II)



Students continue in the hands-on-program described in Year I to learn more advanced skills used in the construction trades industry. Students are expected to take on a leadership role in the second year.

Opportunity to earn OSHA 10-hour Construction certification.

All fees listed are approximate and are subject to change.

COSMETOLOGY I (COSMO I)

Level:	11 th and 12 th grade
Class Location:	Highland Community College, Freeport
Time:	7:30 – 9a.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
HCC Credit:	Highland Community College - Dual Credit** 6 credits
Prerequisite:	8 th grade reading level
HCC Fees:	\$810 (\$80 black scrubs, black socks, black shoes, \$250 basic student kit and \$120 course fee, \$330 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook Fees:	Approximately \$549.50 textbook bundle and study guide
Calendar:	This class follows the HCC calendar
State Course ID:	19101A001 (COSM 121)



In this course, students will learn essential safety and sanitation procedures critical for maintaining a safe, hygienic environment in cosmetology. They will explore the anatomy of hair and common scalp disorders and gain hands-on experience in shampooing and conditioning techniques. Students will also develop foundational hair design skills, including finger waving, pin curls, roller setting, and braiding. Through practical labs, students will practice these techniques on mannequins and, when appropriate, real clients, preparing them for entry-level skills in the cosmetology field.

Course content covers COSM 121.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed are approximate and are subject to change.

COSMETOLOGY II (COSMO II)

Level:	12 th grade
Class Location:	Highland Community College, Freeport
Time:	1– 2:30 p.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 6 credits
Prerequisite:	Completion of Cosmetology I with a C or better and 95% attendance rate
HCC Fees:	\$930 (\$120 course fee, \$450 yr. 2 kit, \$330 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook Fees:	Use book from year 1
Calendar:	This course follows the HCC calendar
State Course ID:	19101A002 (COSM 122)



This hands-on course introduces students to the foundational and advanced techniques of hair design and coloring. Students will learn essential haircutting skills, color theory, and application techniques, setting the stage for further study in cosmetology and beauty industries. Beginning with basic hair cutting and color principles, students will explore techniques for highlighting, lowlighting, and balayage. Advanced units will dive into color correction, creative color designs, and the chemistry of hair products, providing a comprehensive understanding of how to create customized looks.

Students will practice techniques on mannequins and participate in projects that highlight creativity and technical skill. By the end of the course, students will be able to demonstrate professional-level haircutting and coloring techniques and be prepared for more specialized cosmetology training. Course content covers COSM 122.

All fees listed are approximate and are subject to change.

CRIMINAL JUSTICE



Level:	11 th & 12 th grade
Class Location:	Highland Community College, Freeport
Time:	7:30 – 9 a.m., Mon.-Thurs., some courses may be offered online.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 12 credits
HCC Fees:	\$715 (\$660 tech & activity fees + \$25 Info Tech Fee, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook fees:	\$300 - \$400
Calendar:	This course follows the HCC calendar
State Course ID:	Sem1:15051A007 (CJS 101), 15052A001 (CJS 102); Sem2: 15054A001 (CJS 201/202)

The Criminal Justice program will provide foundational courses in a variety of career pathways, including law enforcement, crime scene investigators, corrections, lawyers, probation and parole officers, security, parks, and wildlife, and social work. The Introduction to Criminal Justice course will provide the student with a general overview of criminal justice in the United States through its historical and philosophical development. This survey and analysis reveal the integrated elements of the larger system. The Introduction to Corrections course will provide the student with a general overview of the historical development of punishment and treatment in correctional systems in the United States. Topics may vary but include principles and techniques used by institutions that incarcerate, sentencing, rehabilitation, monitoring, the corrections workforce, community corrections, re-entry, and relevant matters of constitutional law.

In the spring semester, the Criminal Justice program offers an opportunity to study and examine criminology, which is a subfield of sociology that focuses upon crime, law, and social control within the context of social organization and culture. Additionally, students will learn about the justice system and juvenile crime. Students will develop an understanding of the history of the special social category of juvenile delinquency and the dispensing of juvenile justice in the United States. The evolution of theories and dominant social conceptions are then correlated with practical police, judiciary, and correctional practices in juvenile justice. Some courses will be instructed online.

Dual Credit at HCC: CJS 101, CJS 102 (may be) online, CJS 201 online, and CJS 202

If student does not pass 1st semester they may be dropped from 2nd semester.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed are approximate and are subject to change.

DUAL CREDIT COURSES

- CJS 101: Intro to Criminal Justice (3 credit hours)
- CJS 102: Intro to Corrections (3 credit hours)
- CJS 201: Criminology (3 credit hours)
- CJS 202: Juvenile Delinquency (3 credit hours)

CULINARY ARTS I

Level:	11 th and 12 th grade
Class Location:	St. John Church, Freeport
Time:	7:30 –9 9a.m., 9:20 - 10:50 a.m., & 1- 2:30 p.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 1 credit
CAREERTEC Fees:	\$75 (\$25 lab fees, \$20 textbook rental, \$30 chef jacket), to be <u>paid by student/parent at the high school</u> during registration
Optional HCC Fees:	\$15 registration fee Spring semester, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	Sem1: 16052A001 (Culinary Occupations I); Sem2: 16055A001 (Culinary Occupations II)



Culinary Arts 1 teaches practical culinary skills and knowledge including knife skills, cooking techniques, baking essentials, industry guidelines, international cuisine, and terminology needed for the development of food service competencies and workplace skills. The majority of the class is spent in the kitchen applying culinary skills through daily cooking lab activities (you get to eat what you cook). Food sanitation and classroom application will prepare students for an industry-recognized sanitation exam. Additional content includes professionalism, kitchen essentials, basic and advanced food preparation, food service equipment, management essentials, and building a successful career in the industry. Students will be provided training opportunities on commercial equipment. Dual credits at HCC: Food Sanitation Certification, HMEC 192.

All fees listed are approximate and are subject to change

CULINARY ARTS II

Level:	12 th grade
Class Location:	Internship sites
Time:	Varies dependent on internship agreement
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual Credit** 1-3 credits
Prerequisite:	Successful completion of Culinary Arts I with a C or better, 95% attendance and instructor approval
Optional HCC Fees:	\$15 registration fee Spring semester, <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	16098A001(Restaurant, Food and Beverage Services Workplace Experience)



Culinary Arts II is an internship-based program designed to prepare students for an occupation in the food service industry. Students do not meet in a typical classroom setting. Students complete four internships, one each quarter, at a variety of food businesses. The course places special emphasis on developing real-world culinary skills, including design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Additional topics include food cost accounting, taking inventory, advertising, monitoring consumer and industry trends, and individualized mastery of culinary techniques. *Students will be responsible for transportation to and from internship sites.* Dual credit at HCC possible: OCED 290 (Workplace Experience)

All fees listed are approximate and are subject to change

EARLY CHILDHOOD EDUCATION I

Level:	11 th and 12 th grade
Class Location:	Highland Community College, YMCA Early Learning Center, or home school district preschool
Time:	7:30 – 9 a.m. Mon. – Thurs.
Length:	One year
HS Credit:	2 credits
Post Sec. Credit:	Highland Community College – Dual Credit **6 credits
HCC Fees	\$360 (\$330 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook fees:	Approx. \$60
Calendar:	This course follows the HCC calendar
State Course ID:	Sem1: 19151A001 (ECE 121); Sem2: 19153A001 (ECE 123)



This program allows students to work directly with children from birth through second grade while earning college credit! Students can begin working toward Early Childhood Educator Gateways to Opportunities Credential Level 2 while spending time in early childhood settings with children. This credential makes students eligible for the Gateways to Opportunities Scholarships.

Dual credit at HCC year 1: ECE 121: Introduction to Early Childhood; ECE 123: Health Safety & Nutrition of the Young Child, 6 total credits.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed are approximate and are subject to change.

EARLY CHILDHOOD EDUCATION II

Level:	12 th grade
Class Location:	Highland Community College, YMCA Early Learning Center, or home school district preschool
Time:	7:30 – 9 a.m. Mon. – Thurs.
Length:	One year
HS Credit:	2 credits per year
Post Sec. Credit:	Highland Community College – Dual Credit **8 credits
HCC Fees:	\$500 (\$440 tech & activity fees, \$30 registration fee per school year, \$30 college certificate graduation, <u>to be paid by student/parent at HCC</u>
Textbook fees:	Use book from Year 1
Calendar:	This course follows the HCC calendar
State Course ID:	Sem1: 19052A001 (ECE 122); Sem2: 19198A002 (ECE 203)



Dual credit year 2: ECE 122: Child Growth and Development and ECE 203, Home School, & Community Relations in Early Childhood and Practicum. Students will also work toward Early Childhood Educator Gateways to Opportunities Credential Level 2 while spending time in early childhood settings with children. This credential makes students eligible for the Gateways to Opportunities Scholarships.

Hybrid Schedule: Monday and Wednesday class 7:30-9 a.m.; Tuesday and Thursday, YMCA Early Learning Center or child care center working with children, also 7:30 - 9 a.m. Some coursework will be online, while other coursework will be during class Mondays.

All fees listed are approximate and are subject to change.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

DIGITAL DESIGN AND ANIMATION I

Level:	11 and 12 th grade
Class Location:	Freeport High School, Freeport
Time:	7:30 – 9a.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
Prerequisite:	Knowledge of the fundamentals of design
CAREERTEC Fees:	\$30, <u>to be paid by student/parent at the high school</u> during registration
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	11155A001 (Commercial & Advertising Art I)



This course is designed to provide students with the skills needed for a career in the fields of advertising, commercial art, graphic design, animation, and graphic illustrator. Students learn to apply artistic design and layout principles along with text, graphics, drawing, rendering, sound, video, and 2D/3D animation integration to develop various print, video, and digital products. Students use hardware and software programs to create, manipulate, color, paint, and layer scanned images, computer graphics, and original artwork. Students use hardware and software to capture, edit, create, and compress audio and video clips. Students use animation and 2D/3D hardware and software to create animated text, graphics, and images. Students apply artistic techniques to design and create advertisements, displays, publications, technical illustrations, marketing brochures, logos, trademarks, packaging, video graphics, animations, and computer-generated media.

Students will use Adobe Photoshop, Illustrator, Premiere Pro, After Effects, Toon Boom Animation, among other tools in the development of their projects.

All fees listed are approximate and are subject to change.

INTERACTIVE DESIGN AND ANIMATION II

Level:	12 th grade
Class Location:	Freeport High School, Freeport
Time:	7:30 – 9a.m., Mon. - Fri.
Length:	One year
H.S. Credit:	2 credits per year
Prerequisite:	Completion of Digital Design & Animation I with C or better and interview with Instructor
CAREERTEC Fees:	\$30, <u>to be paid by student/parent at High School</u> during registration
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	05252A001 (Interactive Design)



Interactive Design and Animation course will explore the creative, technical, and conceptual aspects of designing and producing interactive media arts experiences, products, and services, including reactive (sensory-based devices) and interactive technologies, 3D game mechanics, 2D/3D animation, interface design, mobile device applications, social media-based and web multimedia, physical spaces, augmented reality, and/or virtual reality. Topics may include aesthetic meaning; artistic, design and technical methods and practices; story and audience engagement; analysis and media literacy; construction, development, processing, modeling, simulation, and programming of interactive experiences; their transmission, distribution, placement and marketing; and contextual, cultural, and historical aspects and considerations. The course will emphasize the development of digitally generated and/or computer-enhanced media in the creation of your interactive and/or animated projects.

Students will use Adobe Photoshop, Illustrator, Premiere Pro, After Effects, Toon Boom Animation, Unity, Blender, Autodesk products, among other tools in the development of their projects.

All fees listed are approximate and are subject to change.

AUTO MECHANICS I (at HCC)

Level:	11 th and 12 th grade
Class Location:	Highland Community College, Freeport
Time:	12:30 – 4:30 p.m., Mon. - Thurs.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec. Credit:	Highland Community College - Dual Credit** 23 credits
Tuition:	Approximate out of pocket tuition cost to student \$1,845 \$1,720 (\$385 course fee, \$1,305 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u> . Students may purchase tools through a rent to own program at HCC at a cost of approx. \$1,125 per semester. Students may also rent tools while in class <u>to be paid by student/parent at HCC</u>
HCC Fees:	
Textbook fees:	\$200
Calendar:	This course follows the HCC calendar
State Course ID:	20104A001 (AUTM 111/113/115/120/122/124/138)



If you're serious about becoming a certified auto mechanic, look into this course. Auto Mechanics I is a dual-credit program earning college credit hours as well as high school credits. Students are expected to have math and reading skills sufficient to understand the technical terminology presented in the textbooks. This program prepares students for employment with hands-on experience in the areas of vehicle service and inspections, brakes, manual transmissions, and drivetrains, basic electrical (electrical circuits, batteries, starters, alternators) suspension & alignments, and engine mechanical repair. **Students are responsible for any tuition and fees beyond \$906 per semester.** Students are also responsible for purchase of required textbooks (approx. \$150-\$200) and tools (contact HCC for options and cost). Students will earn Highland Community College credits toward an Associate of Applied Science degree or Automotive I Certificate. Dual credit at HCC: AUTM 111, 113, 115, 120, 122, 124, 138

Each course follows ASEEF standards and prepares each student for various ASE Certifications.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed are approximate and are subject to change.

HCC AUTO MECHANICS II

Level:	12 th grade
Class Location:	Highland Community College, Freeport
Time:	7:30 - 11:30 a.m., Mon. - Thurs.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec. Credit:	Highland Community College - Dual Credits** 25 credits
Prerequisite:	Successful completion of Auto Mech. I with C or better and 95% attendance
Tuition:	Approximate out of pocket tuition cost to student \$2,265 \$1,882 (\$440 course fees, \$1,412 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
HCC Fees:	Students may purchase tools through a rent to own program at HCC at a cost of approx. \$1,125 per school year <u>to be paid by student/parent at HCC</u>
Textbook Fees:	Same textbook as Yr. 1, continuation of payments on tool set purchased through HCC <u>to be paid by student/parent at HCC</u>
Calendar:	This course follows the HCC calendar
State Course ID:	20104A002



Dual Credit Auto Mechanics II is a continuation of courses leading to an Assoc. of Applied Science Degree. This program prepares students for employment in the areas of computerized engine controls, fuel systems, air conditioning, automatic transmissions, and body control systems. **Students are responsible for any tuition and fees beyond \$906 per semester.** Additional college credits are necessary to complete the AAS degree program or Automotive I Certificate. Dual credits at HCC: AUTM 231, 233, 235, 237, 238, 240, 242, 248. Each course follows ASEEF standards and prepares each student for various ASE Certifications.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed are approximate and are subject to change.

HEALTH OCCUPATIONS YOUTH APPRENTICESHIP I (HOYA I)

Level:	11 th and 12 th grades
Class Location:	St. John Church, Freeport
Time:	7:30 – 9a.m., 9:20 - 10:50 a.m., & 1– 2:30 p.m.,
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College – Dual Credit** 8 credits (for students successfully completing the C.N.A. theory and clinical training)
Prerequisite:	Keyboarding skills, immunization documentation, satisfactory completion of Algebra 1, and at least an 8 th grade reading level, which will be confirmed through Accuplacer exam score of at least 220. Prior to acceptance into the HOYA (Heath Occupations) program, students also must submit a short written paragraph explaining their interest in the program and outlining their goals. Students pursuing CNA training must present a state-issued photo ID and Social Security or ITIN number on or before the first day of class to be eligible for the State of Illinois CNA exam (no exceptions, per IDPH regulations).
CAREERTEC Fees:	\$213 (\$80 drug screen, \$20 workbook, \$25 Textbook rental, \$6 name tag, \$22 CPR, \$60 scrub uniform), <u>to be paid by student/parent at high school</u> during registration. In the event of a non-negative drug screen, the student will be assessed an additional fee of \$26 for the screen to be sent to an independent lab.
HCC Fees:	\$15 registration fee for spring semester, made payable to <u>HCC</u>
Optional Fees:	\$85 CNA state testing fee (paid at time of state registration). Students may purchase their textbook at replacement cost.
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	Sem1: 14002A002(Health Occupation Introductory Concepts and Skill Development); Sem2: 14051A001 (Nursing Assistant I, NURS 109)



Healthcare is one of the fastest-growing industries worldwide, encompassing a broad range of professions including nursing, medicine, laboratory technology, respiratory therapy, occupational and physical therapy, and surgical and allied health support roles. **HOYA I** provides a structured introduction to healthcare occupations, focusing on foundational knowledge, essential skills, and professional standards applicable across multiple healthcare settings. Classroom instruction is integrated with introductory **job shadow experiences**, allowing students to observe and explore various healthcare environments. The course is designed to prepare students for more advanced postsecondary study and career-specific training within the healthcare field.

Students **must** provide documentation of a two-step tuberculosis (TB) skin test or TB blood test (lab test), as well as proof of Hepatitis B vaccination prior to the start of the class. TB tests (both 2-step and lab test) can be obtained at the county health department or your physician's office for a fee; appointments should be made.

*COVID-19 and influenza vaccinations **may** be required by partner healthcare facilities prior to job shadowing or clinicals, but are not required by CareerTEC.

In accordance with healthcare standards, students are subject to random and reasonable suspicion alcohol and drug screenings. Any student who tests positive will be removed from the program.

Students are offered the opportunity to complete Certified Nursing Assistant (CNA) training as part of the course. A total of 40 hours of clinical instruction will be conducted one day per month from December through April during the regular school day. Students who successfully complete both the theory and clinical components of the program with a minimum grade of 80% or higher will be eligible to sit for the State of Illinois Nurse Aide Competency Examination, administered at Highland Community College in late May or early June.

Suggested preparatory courses include Algebra I, computer literacy, keyboarding skills, strong science background, competent writing skills, and a strong interest in health-related careers. Students may be responsible for their own transportation to and from Job Shadow sites, clinical sites, community service activities and some field trips. Dual credit at HCC: NURS 109.

All fees listed are approximate and are subject to change.

HEALTH OCCUPATIONS YOUTH APPRENTICESHIP II (HOYA II)

Level:	12 th grade
Class Location:	Internship site & St. John Church every Mon.- Wed., 1 – 2:30 p.m.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec Credit:	Highland Community College - Dual credit** - 5 total – 2 credits after passing Health Care Delivery final exam and 3 credits after passing Medical Terminology exam
Prerequisite:	Completion of HOYA I with C or better and 95% attendance, and attainment of work site placement
CAREERTEC Fees:	\$196 (\$46 textbook rental, \$70 workbook, \$80 drug test), <u>to be paid by student/parent at the high school</u> during registration.
HCC Fees:	\$15 registration fee for Spring semester, <u>made payable to HCC</u>
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	Sem1: 14154A001 (NURS 117/HLTH 101); Sem2: 14098A005 (Nursing Assistant Workplace Experience) <u>or</u> 14998A002 (Health Science Workplace Experience)



HOYA II is a combination of on-site clinical work experiences and academic study designed to prepare students for postsecondary education or entry into health-related professions. Students engage in structured work-based learning within healthcare settings while continuing classroom instruction focused on professional competencies, medical knowledge, and current healthcare practices.

Students interview and work on-site with healthcare professionals for an average of 7.5 hours per week, totaling approximately 128 hours per semester and a cumulative total of 255 hours over the course. These supervised experiences provide students with real-world exposure to patient care, teamwork, professional communication, and healthcare delivery standards. This on-site internship will be secured prior to the start of class.

Class sessions are held Monday through Wednesday from 1–2:30 p.m. and emphasize Medical Terminology and Health Care Delivery Systems. Students explore topics such as national and regional healthcare practices, workforce projections, healthcare access and advocacy, service delivery and management, population diversity, and global health trends. Coursework encourages comparison of local and international healthcare systems and promotes understanding of evolving health behaviors.

As part of the academic component, students also design and implement teaching projects that promote health awareness in local schools or community settings. These projects often address current public health issues, such as infection prevention, mental health awareness, nutrition, substance misuse, and chronic disease prevention, allowing students to apply classroom learning while contributing to community wellness.

Students must provide documentation of a one-step tuberculosis (TB) skin test or TB blood test (laboratory test) prior to the start of class. TB testing may be completed through the county health department or a physician's office for a fee. In accordance with healthcare standards, students are subject to random and reasonable suspicion alcohol and drug screenings; a positive result will result in removal from the program.

Students must provide their own transportation to and from internship sites, community service activities, and, if necessary, the classroom. Participation in community-based learning and teaching projects is an essential component of the program, connecting academic study with real-world public health practice and professional experience.

All fees listed are approximate and are subject to change.

INDUSTRIAL MANUFACTURING I

Level:	11 th & 12 th grade
Class Location:	Highland Community College, Freeport
Time:	7:30 – 9 a.m., Mon. - Thurs.
Length:	One year
H.S. Credit:	2 credits per year
Post Sec. Credit:	Highland Community College Dual Credit** 12 credits
HCC Fees:	\$841 - \$1,050 (\$295 course fees & tools, \$636 tech & activity fees, \$30 registration fees per school year. Students must purchase tools at a cost of \$160 included in course fees), <u>to be paid by student/parent at HCC</u>
Textbook fees:	\$195-\$303 textbook bundle
Calendar:	This course follows the HCC calendar
State Course ID:	Sem1: 13207A003 (WELD 130), 21102A002 (DRAF 106); Sem2: 13207A001 (WELD 232), 21106A001 (DRAF 105)

This program develops the basic academic and technical skills students must acquire to pursue a career in welding, CAD, and/or manufacturing. These skills will be developed in the areas of Shielded Metal Arc Welding, Gas Metal Arc Welding, 2D CAD (Computer-Aided Drafting), and 3D CAD and Parametric Modeling. Upon completion of these courses, the student will be able to use a fusion process to join (weld) two pieces of metal by applying intense heat to melt the edges of metal so they fuse permanently. Students will also determine the welding process best suited for the metals being fused. Additionally, students will learn to create basic 2-dimensional CAD drawings complete with multiple views and dimensions. An emphasis will be placed on drafting fundamentals. Finally, students will learn 3-dimensional CAD (Parametric Modeling) with an emphasis on dimensioning mechanics and assemblies.

****Students successfully completing this course will have the opportunity -- with additional coursework at HCC -- to earn certificates and/or degrees in Welding, Welding and Fabrication, Industrial Training, and CNC Machining. Dual Credit at HCC: WELD 130, WELD 232, DRAF 105, DRAF 106**

Students may apply to the Plumbers & Pipefitters Union Local 23 apprenticeship upon completion and high school graduation.

If student does not pass 1st semester, he or she may be dropped from the 2nd semester.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed are approximate and are subject to change.

INDUSTRIAL MANUFACTURING II

Level:	12 th grade
Class Location:	Highland Community College (Freeport Campus) and/or Work Site
Time:	Varies
Length:	One year
H.S. Credit:	2 credits per year
Post Sec. Credit:	Highland Community College Dual Credit** 6-9 credits
Prerequisite:	Successful Completion of IND MFG I.
HCC Fees:	\$30 registration fee per school year, course and fees vary from \$40 - \$500 depending on options below, <u>to be paid by student/parent at HCC</u>
Textbook fees:	Depends on option chosen below
Calendar:	This course follows the HCC calendar
State Course ID:	Sem1: 13207A002 (WELD 233), 221106A002 (SPTP 269/270); Sem2: 13248A002 (OCED 290, Welding Workplace Experience) or 21148A001 (OCED 290, Drafting Workplace Experience) NOTE: Industrial Tech 2 may include a combination of above courses. Courses vary based on the student and his or her interests.

There are 3 different options for year two of the Industrial Technologies course.

Option 1: Students attend college-level courses on Highland's campus during the school day. This option would require permission from the student's school. Courses could include 3D CAD, Machine Processes, CNC Mill, CNC Lathe or other Technical Electives for the alternating days. Students selecting the 3D CAD course could also attend during normal CareerTEC hours. **Option 2:** Students complete Occupational Education (OCED) courses, otherwise known as workplace experience. Students seek part-time paid employment or unpaid internship with an area manufacturer. The employment would align with the HCC Welding and/or CNC Machining programs. **Option 3:** Students could select a combination of options 1 and 2. Welding 2 students will do TIG welding of stainless steel and aluminum. Students are responsible for gaining the credits required by their high schools. Dual Credit at HCC: WELD 233, SPTP 270, SPTP 269 & OCED 290

If student does not pass 1st semester, he or she may be dropped from the 2nd semester.

All fees listed are approximate and are subject to change.



NAIL TECH

Level:	12 th grade
Class Location:	Highland Community College, Freeport
Time:	7:30 – 9 a.m., Tues.-Fri.
Length:	One year
H.S. Credit:	2 credits per year
HCC Credit:	Highland Community College - Dual Credit** 6 credits
Prerequisite:	8 th grade reading level and meeting with instructor required for acceptance into this program.
HCC Fees:	\$630 (\$80 tool kit, \$50 scrubs, and \$120 course fee, \$50 lab fee, \$330 tech & activity fees, \$30 registration fee per school year), <u>to be paid by student/parent at HCC</u>
Textbook Fees:	Approximately \$740 textbooks
Calendar:	This class follows the HCC calendar
State Course ID:	19105A001 (COSM 190)



This 32-week introductory course is designed for high school students interested in pursuing a career in nail technology. The course provides foundational theory and hands-on training aligned with the Illinois Department of Financial and Professional Regulation (IDFPR) 350-hour Nail Technology curriculum requirements.

Students attend class four days per week (Tuesday–Friday) for 1.5 hours per day. Course 190 focuses on core concepts of nail care, safety, sanitation, anatomy, and nail enhancement systems. Instruction alternates between theory lessons and practical application to keep students engaged while building professional competency.

Topics covered include:

- History of Nail Technology
- Infection Control & Sanitation
- Anatomy & Physiology
- Skin and Nail Structure, Disorders & Diseases
- Basic Manicuring, Gel Manicuring, and Pedicuring
- Chemistry & Product Knowledge
- Nail Enhancements: Tips, Forms, Acrylics, Gels, Resin Systems, and Electric Filing
- Electricity and Product Chemistry
- Creative Nail Art Techniques

Students will gain experience through mannequin practice, guided demonstrations, partner exercises, and structured projects. Upon completion, students will have accumulated a portion of the 350 required clock hours and will be prepared to continue in Course 192 to meet state licensure eligibility.

Course content covers COSM 190.

All accepted students will attend a mandatory orientation meeting prior to the start of classes.

All fees listed are approximate and are subject to change.



NAVY JUNIOR RESERVE OFFICER TRAINING CORPS (NJROTC)

Level:	9-12 grades
Class Location:	Freeport High School, Freeport
Time:	7:30 – 9 a.m., Mon. - Fri.
Length:	One year (Up to 4 years of curriculum in total 0 Naval Science 1-4)
H.S. Credit:	1-2 credits per year (May be used for Physical Education requirement)
Calendar:	This course follows the CAREERTEC calendar
State Course ID:	Yr. 1: 09101A001 (Naval Junior ROTC I)
	Yr. 2: 09102A001 (Naval Junior ROTC II)
	Yr. 3: 09103A001 (Naval Junior ROTC III)
	Yr. 4: 09104A001 (Naval Junior ROTC IV)



Navy Junior Reserve Officer Training Corp (NJROTC) is a citizenship/leadership development program. With a four-year curriculum designed to give leaders of the 21st century the knowledge and skills they need to serve our country in a capacity they choose. Topics covered include National strategy/defense, U.S. Government, the history of sea power, oceanography, meteorology, astronomy, basic electronics, communications, naval engineering, navigation, and health/nutrition/physical fitness. NJROTC cadets are required to properly wear a uniform one day a week, participate in physical training, and meet specified grooming standards. Naval Science is taught by retired Navy and Marine Corps personnel. Any individual considering entering military service should consider enrolling in this course. Cadet experiences are enriched through participation in any one of seven extra-curricular teams (precision drill team, air rifle marksmanship team, orienteering team, athletic team, drone team, color guard team, or academic team), community service projects, or overnight trips to various colleges, universities, and military facilities throughout the United States.

Uniforms, textbooks, training aids, etc. are provided by the United States Navy. Additionally, various 3- and 4-year university scholarship opportunities are available to students that qualify. Any student attending NJROTC classes are eligible for advance promotion when entering active duty. Enrollment is open to grades 9 through 12. Students may take the course for one to four years. Student enrollment in this course does not obligate him or her for military service in any branch.

HIGHLAND COMMUNITY COLLEGE DUAL CREDIT

Dual credit provides students the opportunity to earn high school and Highland Community College credit simultaneously. These credits become a part of the student's permanent transcript upon successful completion of the course. They may transfer credit to most educational institutions, according to the acceptance policies of that institution, just as any other credits earned at Highland.



CAREER AND TECHNICAL EDUCATION CONSORTIUM

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