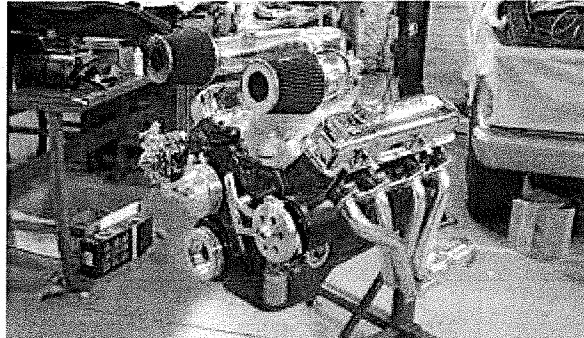


# Early College and Career Academy 2024-2025 Program Guide



 **EDUCATION for EMPLOYMENT SYSTEM #330**

# Automotive Technology - Year One



**Course Description:** This program introduces students to the skills needed to inspect, maintain, and repair automobiles and light trucks with internal combustion engines. Instructional units include: Automotive industry overview, careers, advanced training options, and workplace ethics; Vehicle safety, operation, inspection and maintenance; Hybrid vehicle operation and safety; Vehicle steering and suspension system operation, component inspection and repair, braking system operation, inspection and repair. Second year students will have the opportunity to earn ASE student certifications. Students who successfully complete both years of the ECCA automotive program will have completed the coursework necessary for the Parkland College Maintenance and Light Repair Certificate. Students will have the option to try out for the Hot Rodders of Tomorrow engine building team.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
AFD 110	Automotive Maintenance and Light Repair	4 Credit Hours
AFD 210	Automotive Work Experience Seminar	3 Credit Hours
AFD 113	Automotive Chassis Systems Maintenance and Light Repair	7 Credit Hours
		<hr/> 14 Total Credit Hours

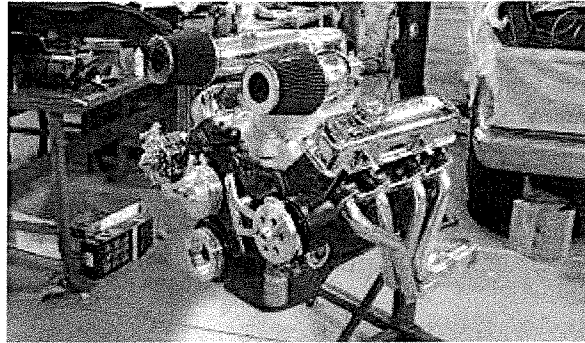
## Careers Available in this Industry

Automotive Service Technician  
Service Manager  
Parts Manager  
Automotive Instructor  
Product Engineer

## Course Requirements/Prerequisites

- 2.0/4.0 GPA preferred, but exceptions can be made with administrative approval
- Check with your counselor for any school-specific program prerequisites
- Open to both Juniors and Seniors

# Automotive Technology – Year Two



**Course Description:** This program introduces students to the skills needed to inspect, maintain, and repair automobiles and light trucks with internal combustion engines. Instructional units include: Engine operation, testing and performance. Automotive electrical/electronic system operation, inspection, testing and repair. Cooling system inspection, testing and maintenance; Drive axle inspection and service. Second year students will have the opportunity to earn ASE student certifications. Students who successfully complete both years of the ECCA automotive program will have completed the coursework necessary for the Parkland College Maintenance and Light Repair Certificate.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
AFD 111	Automotive Powertrain Maintenance and Light Repair	7 Credit Hours
AFD 115	Basic Chassis Electrical Systems	7 Credit Hours
		<u>14 Total Credit Hours</u>

## Careers Available in this Industry

Automotive Service Technician  
Service Manager  
Parts Manager  
Automotive Instructor  
Product Engineer

## Course Requirements/Prerequisites

- Successful completion of Automotive Technology Year One ECCA Program
- 2.0/4.0 GPA preferred, but exceptions can be made with administrative approval
- Check with your counselor for any school-specific program prerequisites

# Computer Programming



**Course Description:** This program will introduce logic and fundamental programming concepts using a common computer language with emphasis on syntax and structure. Topics covered will include programming skills for creating websites, covering a range of topics from HTML and CSS to basic usage of common design patterns and web frameworks. An introduction to computer science and programming using the Java language will be provided with an emphasis on problem solving, algorithm design, and program development including data representation, programming constructs, and object-oriented design fundamentals. Spring semester will include an introduction to developing software systems integrated with databases, file systems, and networks and to web application frameworks.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
CIS 122	Introduction to Computer Programming	4 Credit Hours
CIS 152	Web Design and Development 1	3 Credit Hours
CSC 155	Systems Development 1	3 Credit Hours
CSC 140	Computer Science 1 (Java)	3 Credit Hours
		<hr/>
		13 Total Credit Hours

## Careers Available in this Industry

Computer Programmer  
Web Developer  
Software Developer  
Mobile App Developer  
Business Intelligence Analyst

## Course Requirements/Prerequisites

- 2.5/4.0 GPA preferred, but exceptions can be made with administrative approval
- Seniors only with exceptions based on counselor recommendation and administrative approval

# Construction Trades



**Course Description:** ECCA Construction Trades is for students interested in careers related to the building and construction trades and is a partnership with the East Central Illinois Building and Construction Trades Council. The program will include a combination of on-campus instruction through Parkland coursework and hands-on lab activities and off-campus instruction at local building trades facilities. Students will learn at off-campus locations two days per week from professionals in areas such as plumbing, electrical, carpentry, painting, roofing, ironworking, bricklaying, and more. On-campus instruction during the first semester will include an introduction to the construction industry including residential, commercial, and industrial sectors; a survey of career paths within construction; jobsite safety; and professional tool usage. Second semester on-campus instruction will provide an overview of basic residential building planning, components, materials, and construction methods. Drawings, specifications and building codes will be covered, as well as an overview of plumbing, electrical, heating, and air conditioning systems. Students will have an opportunity to form connections with local professionals within the construction industry and earn their OSHA 30-hour safety certification. Additionally, students will learn how to apply for apprenticeships with local building trade unions. In most cases, students will be required to provide their own transportation to off-campus trade union visits.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
CIT 118	Introduction to Construction	3 Credit Hours
CIT 135	Residential Building Systems	3 Credit Hours
CIT 110	Introduction to Building Trades	4 Credit Hours
		<u>10 Total Credit Hours</u>

## Careers Available in this Industry

All Construction Trades (plumber, carpenter, electrician, roofer, painter, equipment operator, etc.)

Construction Manager

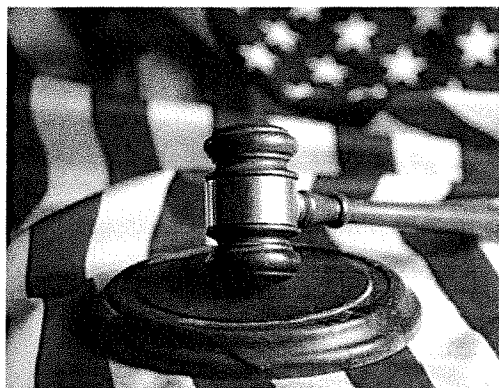
Civil Engineer

Architect

## Course Requirements/Prerequisites

- 2.0/4.0 GPA preferred, but exceptions can be made with administrative approval
- This is a one-year program

# Criminal Justice



**Course Description:** This program provides a history of the development, philosophy, and constitutional aspects of criminal justice procedures and agencies. Included will be an overview of the juvenile delinquency system and the United States correctional system. Other topics will be criteria for criminal acts, requisite mental state, criminal parties, causation and defenses, common law crimes, and application of the Illinois Criminal Code. Hands-on instruction will include techniques to process crime scenes and analyze physical evidence to help solve cases.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
CJS 127	Juvenile Delinquency	3 Credit Hours
CJS 101	Introduction to Criminal Justice	3 Credit Hours
CJS 203	Criminal Law	3 Credit Hours
CJS 104	Introduction to Corrections	3 Credit Hours
		<u>12 Total Credit Hours</u>

## Examples of Careers in Criminal Justice

Police Officer

Lawyer

Crime Scene Investigator

Probation/Parole Officer

Department of Natural Resources Officer

Paralegal

## Course Requirements/Prerequisites

- Seniors only with exceptions based on counselor recommendation and administrative approval
- 2.5/4.0 GPA preferred, but exceptions can be made with administrative approval
- Must finish first semester with C average or better to continue into second semester

# Certified Nursing Assistant – Health Professions

## Fall or Spring Semester

**Orientation to Health Careers Course Description:** The main purpose of this course is to assist students in further development of their self-concept and in matching personal abilities and interest to a tentative career choice within the healthcare field. Course content will provide in-depth information regarding health occupations careers and trends, the occupational and educational opportunities and the educational, physical, emotional and attitudinal requirements of careers in the medical field.

**Medical Terminology Course Description:** The primary focus will be on developing both oral and written skills in the language used to communicate within health care professions.

**Legal Issues in Healthcare Course Description:** This course focuses on law as it pertains to health professionals; consent for medical services, invasion of privacy, malpractice, governmental regulations, actions for collecting patient bills, bioethical, and end of life issues.

## Fall or Spring Semester

**Certified Nursing Assistant Course Description:** The Basic Nursing Assistant Training Program prepares students to care for patients under the direct supervision of a licensed nurse in a long-term care facility, a hospital, assisted living facility, or in the home. The course is approved by the Illinois Department of Public Health. After successful completion of the program, students are eligible to sit for the Illinois Nurse Assistants Certification exam. In most cases, students will be required to provide their own transportation to off-campus clinicals.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
HCS 112	Orientation to Health Careers	2 Credit Hours
HCS 154	Medical Terminology	3 Credit Hours
HCS 174	Legal Issues in Healthcare	1 Credit Hour
NAS 111	Basic Nursing Assistant Training Program	6 Credit Hours
		<u>12 Total Credit Hours</u>

## Examples of Careers in Healthcare

Doctors

Nurses

Physical Therapists

Athletic Trainers

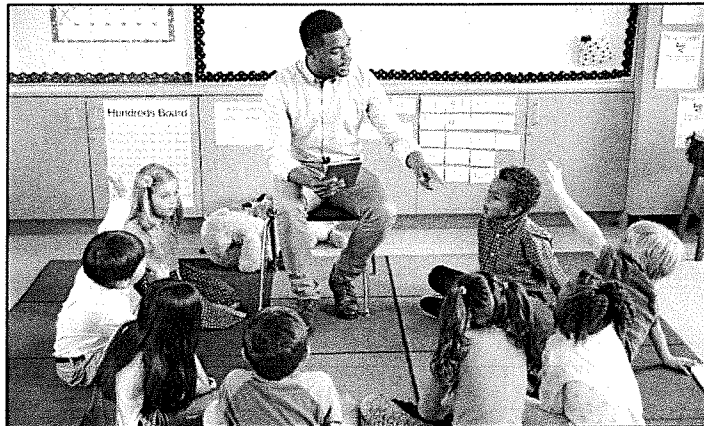
X-Ray Technicians

Surgical Technologists

## Course Requirements/Prerequisites

- 2.5/4.0 GPA preferred, but exceptions can be made with administrative approval
- Assessment: Placement into CCS 099, ENG 099, MAT 072
- Open to Juniors and Seniors
- Students will be able to sit for the state CNA licensing exam

# ECCA Education Pathway



**Program Description:** This program is for future teachers and those who are considering a career in education. The Education Pathway program will include a classroom component and an off-campus component, which will be developed in consultation with local school districts. The classroom portion will focus on the philosophy and history of American public education, careers within education, and the role of the teacher, including discussion on current issues in education. Additionally, the instruction will include the development of teaching methods and lesson plans incorporating differentiated instruction. Students will develop an understanding of characteristics of exceptional learners and their education including history, definitions, service delivery, legislation, and principles, strategies and methods of effective instruction for exceptional learners. Educational Technology will prepare students to incorporate technology into lesson plans to meet the needs of all learners.

**Practical Experience:** The Education program includes a practical experience, which will take place on each Friday throughout the school year. The practical experience will be jointly developed by ECCA and the student's home high school and will include observation hours and classroom assisting at local school districts. In most cases, students will be required to provide their own transportation to the observation/classroom assistance visits.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
EDU 101	Introduction to Education	3 Credit Hours
FYE 101	Strategies for College Success	3 Credit Hours
EDU 104	Introduction to Special Education	3 Credit Hours
EDU 103	Introduction to Educational Technology	3 Credit Hours
		<hr/>
		12 Total Credit Hours

## Program Requirements/Prerequisites

- 2.5/4.0 GPA preferred, but exceptions can be made with administrative approval
- ENG 101 Placement
- Check with your counselor for any school-specific program prerequisites



# Emergency Medical Services - Health Professions Focus



## 1<sup>st</sup> Semester

**Orientation to Health Careers Course Description:** The main purpose of this course is to assist students in further development of their self-concept and in matching personal abilities and interest to a tentative career choice within the healthcare field. Course content will provide in-depth information regarding health occupations careers and trends, the occupational and educational opportunities and the educational, physical, emotional and attitudinal requirements of careers in the medical field.

**Medical Terminology Course Description:** The primary focus will be on developing both oral and written skills in the language used to communicate within health care professions.

**Legal Issues in Healthcare Course Description:** This course focuses on law as it pertains to health professionals; consent for medical services, invasion of privacy, malpractice, governmental regulations, actions for collecting patient bills, bioethical, and end of life issues.

## 2<sup>nd</sup> Semester

**Emergency Medical Technician Course Description:** The Emergency Medical Services-Basic course prepares the student to provide pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMT-Basics, anatomy and physiology, medical emergencies, trauma, special considerations for working in the pre-hospital setting, and providing patient transport. This course prepares the student to take the State of Illinois EMT-Basic license examination.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
HCS 112	Orientation to Health Careers	2 Credit Hours
HCS 154	Medical Terminology	3 Credit Hours
HCS 174	Legal Issues in Healthcare	1 Credit Hour
EMS 110	Emergency Medical Services 1: EMT-B	5 Credit Hours
		<u>11 Total Credit Hours</u>

## Course Requirements/Prerequisites

- Seniors Only, no exceptions
- 2.5/4.0 GPA preferred, but exceptions can be made with administrative approval
- Assessment: Placement into CCS 099, ENG 099, MAT 072
- Students will be able to sit for the EMT (B) state licensing exam upon graduation from high school and after reaching 18 years of age.

# Emergency Medical Services - Fire Service Focus



## 1<sup>st</sup> Semester

**Orientation to Health Careers Course Description:** The main purpose of this course is to assist students in further development of their self-concept and in matching personal abilities and interests to a tentative career choice within the healthcare field. Course content will provide in-depth information regarding health occupations careers and trends, the occupational and educational opportunities and the educational, physical, emotional and attitudinal requirements of careers in the medical field.

**Legal Issues in Healthcare Course Description:** This course focuses on law as it pertains to health professionals; consent for medical services, invasion of privacy, malpractice, governmental regulations, actions for collecting patient bills, bioethical, and end of life issues.

**Introduction to the Fire Service Course Description:** Provides an overview to fire service; career opportunities in fire protection and related fields; philosophy and history of the fire service; fire loss analysis; organization and function of public fire protection services; fire departments as part of local government; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. Will include hands-on activities and demonstrations.

## 2<sup>nd</sup> Semester

**Emergency Medical Technician Course Description:** The Emergency Medical Services-Basic course prepares the student to provide pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMT-Basics, anatomy and physiology, medical emergencies, trauma, special considerations for working in the pre-hospital setting, and providing patient transport. This course prepares the student to take the State of Illinois EMT-Basic license examination.

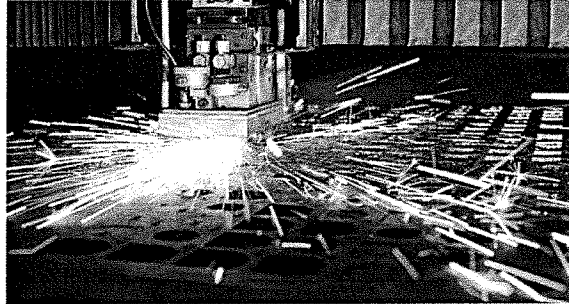
## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
HCS 112	Orientation to Health Careers	2 Credit Hours
FST 111	Introduction to the Fire Service	3 Credit Hours
HCS 174	Legal Issues in Healthcare	1 Credit Hour
EMS 110	Emergency Medical Services 1: EMT-B	5 Credit Hours
		11 Total Credit Hours

## Course Requirements/Prerequisites

- Seniors Only, no exceptions
- 2.5/4.0 GPA preferred, but exceptions can be made with administrative approval
- Assessment: Placement into CCS 099, ENG 099, MAT 072
- Students will be able to sit for the EMT (B) state licensing exam upon graduation from high school and after reaching 18 years of age.

# Industrial Technology: Machining, Welding, and Design



**Course Description:** This program will include interpreting documentation for assembly and installation requirements; fundamentals of power transmission; basic and precision measuring tools; fasteners, tools, and torque specifications; bearing types and applications; seals; gaskets, and lubrication. Welding topics will include selection and use of electric arc, oxyacetylene, inert gas, and wire-feed welders, with an emphasis on skills and competencies as demanded by industry. The program will also include an introduction to applications of fluid and pneumatic power transfer and control. Content will include the design process with practical and computer-aided evaluation of power transmission devices, including gears, shafts, belts, chains, and other components using SolidWorks software. Both first-year and second-year Industrial Technology students will be enrolled in the courses listed below.

\*Welding course offered will be determined once returning enrollments are known.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
*WLD 111	Introduction to Welding	4 Credit Hours
MFT 113	Introduction to Hydraulics and Pneumatics	3 Credit Hours
MFT 110	Mechanical Assemblies	3 Credit Hours
CAD 113	Computer Aided Machine Design I	4 Credit Hours
		14 Total Credit Hours

## Examples of Careers in Manufacturing and Industrial Technology

Machinists, including CNC machine operators and programmers

Welders

Electrical/Industrial/Mechanical Engineers

Industrial Maintenance Workers

Logistics Managers

Quality-Control Specialists

## Course Requirements/Prerequisites

- 2.0/4.0 GPA preferred, but exceptions can be made with administrative approval
- Check with your counselor for any school-specific course prerequisites

# Precision Agriculture



**Course Description:** The ECCA Precision Agriculture program is for students interested in the application of UAV (drone) technology. Students will complete coursework to prepare for the FAA Commercial Drone Pilot exam, while learning about the implementation of GPS, GIS and other technologies within the precision agriculture industry. Students will learn basic drone flight maneuvers and use simulator software. Mission planning, data collection, and safety procedures are covered. Students do not need to be involved in or have completed coursework in Agriculture to be enrolled. All students are welcome, especially those with an interest in technology and its implementation.

## Parkland College Dual Credit Available

<u>Course Number</u>	<u>Course Name</u>	<u>Credit Hours</u>
AVI 111	Commercial Drone Ground School	3 Credit Hours
AVI 112	Introduction to Drone Flight	3 Credit Hours
AGB 214	Precision Farming Technology	3 Credit Hours
AGB 215	Applications of GIS in Agriculture	3 Credit Hours
		12 Total Credit Hours

## Examples of Careers in Precision Agriculture

Crop Specialist  
Precision Farming Specialist  
Precision Agriculture Technician

## FAA-licensed drone pilots are employed in almost every industry including:

Real estate, Insurance, Agriculture, Construction, and many others

## Course Requirements/Prerequisites

- 2.0/4.0 GPA preferred, but exceptions can be made with administrative approval
- Seniors only with exceptions based on counselor recommendation and administrative approval
- Students will complete coursework to prepare for the FAA Commercial Drone Pilot exam
- Summer internship opportunities available for motivated students

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# Early College and Career Academy (ECCA) – 2024-2025 FAQs

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## **Which programs are included in the Early College and Career Academy?**

Students have the option to enroll in one of these programs:

- Automotive
- Computer Programming
- Construction Trades
- Criminal Justice
- Education Pathway
- Emergency Medical Service – Health Professions Focus
- Emergency Medical Service – Fire Service Focus
- Health Professions – Certified Nursing Assistant
- Industrial Technology: Machining, Welding, and Design
- Precision Agriculture

Please see the program guide for specific information about each program.

## **Who is eligible to be enrolled in the program?**

ECCA is open to any junior or senior in Parkland College's district. There will be an early enrollment period for those students who attend an EFE #330 high school.

## **Where is the Early College and Career Academy located?**

All Early College and Career Academy programs are located on Parkland College's campus. The CNA and EMS programs incorporate a clinical experience, which will take place off-campus. The Construction Trades program includes off-campus visits to various trade union halls and job sites. Students might need to provide their own transportation to off-campus experiences.

## **Will I earn high school and college credit if I participate in the program?**

Yes! This is a true dual credit opportunity. Students will be earning high school elective credit that will count towards their graduation requirements, but will also earn college credit if they successfully complete the coursework. The amount of college credit earned will vary by program. See the program guide for specific information.

## **How long are the ECCA programs, one-semester, or an entire school year?**

Almost all students will be enrolled in a year-long program. There are a few exceptions for health professions students from Central, Centennial, and Mahomet-Seymour. Your school counselor will provide details. You can also contact Nick Elder at the EFE #330/ECCA office (217-355-1382 or [nelder@efe.k12.il.us](mailto:nelder@efe.k12.il.us)).

## **Will the ECCA programs follow my high school calendar?**

This is extremely important. No, the Early College and Career Academy will follow the Parkland College school calendar. Your high school is aware of this. If you will be utilizing a school bus, your school will still provide the bus on days when your school is not in session, but Parkland College is in session. If your school's spring break is not held on the same week as Parkland's, you will still be responsible for attending your ECCA program. If you have any questions about this, please contact Nick Elder at the EFE #330/ECCA office (217-355-1382 or [nelder@efe.k12.il.us](mailto:nelder@efe.k12.il.us)).

**What time are the ECCA programs held?**

All ECCA programs will be held for at least 1.5 hours per day, each day that Parkland College is in session during the fall and spring semester during the hours of 7:30 – 9:30 a.m. Each program will have a unique start/end time, but it will be between the hours of 7:30 – 9:30 a.m. If you have any questions about this, please contact Nick Elder at the EFE #330/ECCA office (217-355-1382 or [nelder@efe.k12.il.us](mailto:nelder@efe.k12.il.us)). This schedule was created to allow the students to travel back to their home district and continue their daily high school schedule.

**How do I sign up for the Early College and Career Academy?**

Students should contact their high school counselor if they wish to sign up for an ECCA program. The ECCA application materials will be turned into the student's high school counseling office and then be delivered to the EFE #330/ECCA office. If you are a home school or private school student, please contact the EFE #330/ECCA office (217-355-1382) for application information.

**Will there be “college-age” students in my courses or only other high school students?**

No, the ECCA sections will only be offered to high school students. You will be in class with other high school students from this area.

**Should I purchase textbooks before class begins?**

No. Your textbooks will be delivered to you during one of your first-week class sessions. These textbooks will be loaned to you by the EFE #330/ECCA office. If you would like to purchase the books at the conclusion of the program, you will purchase the books from EFE #330. The cost will vary depending on the program. If you wish to purchase your books, please contact the EFE #330/ECCA office ([nelder@efe.k12.il.us](mailto:nelder@efe.k12.il.us), 217-355-1382).

**Does my home high school pay for the cost of the ECCA program?**

In many cases, yes. However, this will vary by school. Please check with your high school counselor for clarification.

**Can I apply for financial aid to pay the cost of the ECCA program?**

Unfortunately, financial aid is not available for high school dual credit students.

**Will the college credits I earn in the ECCA impact my financial aid eligibility once I enroll in college?**

It is unlikely a former Early College and Career Academy student would experience financial aid impact solely because of their enrollment in the program. However, if a former ECCA student, once in college, changed majors several times, failed or withdrew from several courses, and/or accumulated several developmental course credits, the student could exceed the maximum number of credit hours for which financial aid is allowed. [Check the Parkland College website for more information.](#)

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# **Early College and Career Academy Student Application**

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*Please print clearly when filling out this form.*

*In addition to this document, students will need to complete Parkland College's Admissions Form at:  
<https://explore.parkland.edu/register/earlycollege>*

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## **Student Information**

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Full Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Date of Birth \_\_\_\_\_ E-mail \_\_\_\_\_

Home High School \_\_\_\_\_

Current Grade Level \_\_\_\_\_ Graduation Year \_\_\_\_\_ Male \_\_\_\_\_ Female \_\_\_\_\_

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## **Parent/Guardian Information**

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Mother/Female Guardian \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Home Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Father/Male Guardian \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Home Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_ E-mail \_\_\_\_\_

**I give permission for my son/daughter to enroll in classes offered by the Early College and Career Academy.**

Parent/Guardian Signature \_\_\_\_\_ Date \_\_\_\_\_

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# **Early College and Career Academy**

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Student Name \_\_\_\_\_

Please mark below the program in which you wish to enroll. If you wish to indicate multiple choices, please indicate with a 1 (first choice) or 2 (second choice).

- High School and Parkland College credit will be awarded for each program.

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## **Early College and Career Academy (ECCA) Programs**

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- \_\_\_\_\_ Automotive Technology – 1<sup>st</sup> Year      \_\_\_\_\_ Automotive Technology – 2<sup>nd</sup> Year
- \_\_\_\_\_ Computer Programming
- \_\_\_\_\_ Construction Trades
- \_\_\_\_\_ Criminal Justice
- \_\_\_\_\_ Education Pathway
- \_\_\_\_\_ Industrial Technology: Machining, Welding, and Design
- \_\_\_\_\_ Precision Agriculture
- \_\_\_\_\_ Health Professions - Certified Nursing Assistant (CNA)
- \_\_\_\_\_ Emergency Medical Services (EMT) – **Health Professions Focus** (Seniors Only)
- \_\_\_\_\_ Emergency Medical Services (EMT) – **Fire Service Focus** (Seniors Only)

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## **Counselor's Application Checklist – to be completed by High School Counselor**

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\_\_\_\_\_ Transcript (including GPA, and SAT/ACT scores (if applicable))

\_\_\_\_\_ Student completed Parkland College's admissions form

Does the student have an IEP or 504 plan? (Check those that apply below)

\_\_\_\_\_ IEP      \_\_\_\_\_ 504 Plan

The participating district has approved the enrollment of this student in the Early College and Career Academy.

Counselor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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# Early College and Career Academy

The Early College and Career Academy is a program for high school juniors and seniors to earn dual credit (college and high school), while gaining skills in different Parkland College programs: Automotive Technology, Computer Programming, Construction Trades, Criminal Justice, Certified Nursing Assistant, Education Pathway, Emergency Medical Services (Health Professions or Fire Service Focus), Industrial Technology, and Precision Agriculture. ECCA courses are taken at Parkland College. Each program allows students to earn between 10 – 14 college credits per school year.

## **AUTOMOTIVE TECHNOLOGY**

Students gain the skills needed to inspect, maintain, and repair automobiles and light trucks with internal combustion engines. Successfully completing five Academy classes over two years earns the Parkland College Maintenance and Light Repair Certificate. Automotive students will have the opportunity to participate in the Hot Rodders of Tomorrow engine challenge.

## **COMPUTER PROGRAMMING**

This program will introduce logic and fundamental programming concepts using a common computer language with emphasis on syntax and structure. Topics include programming skills for creating websites, covering a range of topics from HTML and CSS to basic usage of common design patterns and web frameworks.

## **CONSTRUCTION TRADES**

This program is for students interested in careers related to the building and construction trades and is a partnership with the East Central Illinois Building and Construction Trades Council. ECCA Construction Trades will include a combination of on-campus instruction through coursework and off-campus hands-on instruction at local building trades facilities. Students will learn from professionals in areas such as plumbing, electrical, carpentry, painting, roofing, ironworking, bricklaying, and more. In most cases, students will be required to provide their own transportation for off-campus visits.

## **CRIMINAL JUSTICE**

Students learn how criminal justice procedures and agencies have developed over time, along with their philosophy and constitutional aspects. Students survey the juvenile delinquency and U.S. correctional systems to discover other important aspects of criminal law. Hands-on instruction will include techniques to process crime scenes and analyze physical evidence.

## **EDUCATION PATHWAY**

This program is for future teachers and will focus on the philosophy and history of American public education and the role of the teacher, including discussion on current issues in education. The Education program includes a practical experience, which will take place throughout the school year. The practical experience will be jointly developed by ECCA and the student's home high school and will include observation hours and classroom assisting at local school districts.

## **EMERGENCY MEDICAL SERVICES (EMS) – Health Professions Focus**

Through Emergency Medical Technician training, students are prepared to provide pre-hospital assessment and care for those with medical conditions and traumatic injuries. Successfully completing the four Academy courses prepares students for the Illinois EMT-Basic license exam.

## **EMERGENCY MEDICAL SERVICES (EMS) – Fire Service Focus**

Students who elect this option will participate in an Introduction to Fire Service course during the fall semester, which will include interactive activities and hands-on demonstrations related to careers in the Fire Service profession. Through Emergency Medical Technician training, students are prepared to provide pre-hospital assessment and care for those with medical conditions and traumatic injuries. Successfully completing the four Academy courses prepares students for the Illinois EMT-Basic license exam.

## **HEALTH PROFESSIONS - CERTIFIED NURSE ASSISTANT (CNA)**

Under the direct supervision of a licensed nurse, students learn how to care for patients in a long-term care facility, hospital, or assisted living facility, or in the home. Successfully completing the four Academy courses prepares students for the Illinois Nurse Assistants Certification exam. In most cases, students will be required to provide their own transportation for off-campus clinicals.

## **INDUSTRIAL TECHNOLOGY: MACHINING, WELDING, AND DESIGN**

In Parkland's the state-of-the-art Parkhill Applied Technology Center, students learn AutoCAD software, basic machining processes and machine tool equipment, and computer numeric control (CNC) and CNC programming. Other courses will include instruction in welding, hydraulics/pneumatics, mechanical assembly, and computer-aided machine design.

## **PRECISION AGRICULTURE**

The ECCA Precision Agriculture program is for students interested in the application of UAV (drone) technology. Students will complete coursework to prepare for the FAA Commercial Drone Pilot exam, while learning about the implementation of GPS, GIS and other technologies within the precision agriculture industry.

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# Early College and Career Academy (ECCA)

## How to Apply: 2024-2025

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1. Ask your high school counselor for the ECCA application materials. If more information is needed, please call the EFE #330/ECCA office at 217-355-1382.
2. Fill out the Parkland College online application: (<https://www.parkland.edu/main/apply-now>)
  - a. Click the link for 'Early College Services' at the top right quadrant and complete steps to submit the Admissions Application.
  - b. If you have already completed or are currently enrolled in a Parkland College course, you will not have to fill out the Parkland application. In this case, skip to step 3.
3. Fill out the ECCA application. **Please note:** You will need to obtain a parent/guardian signature, which can be an electronic signature.
4. Return the completed ECCA application to your counselor. Counselors will mail or e-mail completed applications and supporting documentation to the EFE #330/ECCA office.

Education for Employment System #330  
Parkland College, Room A113  
2400 West Bradley Avenue  
Champaign, IL 61821

5. EFE #330/ECCA will contact your counselor to inform you of your enrollment status. If needed, we will work with you and your counselor to obtain more information.
6. We will meet with all admitted students in May to provide necessary information, including summer orientation dates.

\*For some students, there will be additional steps once you have applied to the program. For instance, students might need to complete placement assessments. We will keep you and your counselor informed of these requirements once we receive your application.

Please call the EFE #330/ECCA office at 217-355-1382 or e-mail Nick Elder at [nelder@efe.k12.il.us](mailto:nelder@efe.k12.il.us) if you have questions about any of this information.