

# YOUTH ACADEMY

Summer 2020 Classes



Kindergarten through High School · June 8 to Aug. 7, 2020

 **College of DuPage**

Continuing Education



**Career Academy classes are on the College of DuPage campus in Glen Ellyn.**

Check your registration letter for your specific room assignment. Be sure to include an updated email and phone contact for all class updates.

**Main Campus Building Locations:**  
 Homeland Security Education Center (HEC)  
 McAninch Arts Center (MAC)  
 Seaton Computing Center (SCC)  
 Student Resource Center (SRC)  
 Technical Education Center (TEC)

Find campus maps at [cod.edu/maps](http://cod.edu/maps).

# High School Enrichment

## Career Academy

Grades 9 to 12

Discover the possibilities for your college major or career path with Career Academy this summer!

Delve into career-focused enrichment courses and gain an in-depth, behind-the-scenes look at inspiring fields and programs sure to spark your interest. Teens will engage in structured activities that will enable them to make informed choices for a major or potential career track without paying college tuition. Gain a head start on identifying an academic college program that will get you to where you want to go!

**Please bring a sack lunch to all-day courses.**

Students enrolled in all-day classes will have a supervised lunch break. Parents must contact and register for supervision at (630) 942-2208.



COURSE TITLE	DATE	CODE	PRICE	TIME	LOCATION
IT Administration	Monday to Wednesday, June 15 to 17	YEHSC-0003-112	\$199	9 a.m. to noon	BIC 1E04
Teen Improv	Monday to Thursday, June 15 to 18	YEHSC-0003-109	\$159	9 to 11:50 a.m.	MAC 188
Cybersecurity	Monday to Wednesday, June 15 to 17	YEHSC-0003-115	\$199	1 to 4 p.m.	BIC 1E04
Social Media Marketing	Monday to Thursday, June 22 to 25	YEHSC-0003-111	\$159	8 a.m. to noon	SRC 1134
Business & Entrepreneurship Boot Camp	Monday to Thursday, June 22 to 25	YEHSC-0003-117	\$159	12:30 to 4:30 p.m.	BIC 1G04
Pastry Chef 101	Monday to Thursday, June 29 to July 2	YEHSC-0003-116	\$349	8 a.m. to noon	CHC 1022
Game Asset Creation	Monday to Thursday, June 29 to July 2	YEHSC-0003-118	\$199	9 a.m. to noon	SCC 101
Weld On, Women!	Monday to Friday, July 6 to 10	YEHSC-0003-210	\$199	8 a.m. to 3:30 p.m.	TEC 1028
Electronics Basics	Monday to Thursday, July 13 to 16	YEHSC-0003-200	\$159	1 to 5 p.m.	TEC 2024
Raspberry Pi	Monday to Thursday, July 13 to 16	YEHSC-0003-113	\$139	9 a.m. to noon	TEC 2023
Crime Scene Investigation	Monday to Friday, July 27 to 31	YEHSC-0003-110	\$399	8 a.m. to 1 p.m.	HEC 1008
3/D CAD Solid Modeling	Monday to Friday, Aug. 3 to 7	YEHSC-0003-108	\$199	12:30 to 4 p.m.	TEC 2010



## Career Academy Course Descriptions

### 3/D CAD Solid Modeling

Students will learn SolidWorks software and techniques to produce three dimensional solids. Emphasis on creating and rendering 3 D solid models, modifying, editing commands and dimensioning. This is a good exploratory course for any student interested in a career in design and/or engineering. Instructor: Donna Mukrut

### Business and Entrepreneurship Boot Camp

Join this enriching summer program designed to give rising high school students an intensive introduction to both business and entrepreneurship in the real world—and highlights how both can be fun and exciting. Participants learn the basics of major business disciplines including accounting, marketing, finance and management, as well as the core concepts of business including leadership, professional image, etiquette, team building, and strategy. Students will also learn what it takes to embody an entrepreneurial mindset that will benefit them both now and into the future. Lastly, a mini Shark Tank-style pitch competition will take place on the final day of the session! Instructor: Peter James

### Crime Scene Investigation (CSI)

Take a walk in the bootie-covered shoes of the real-world professionals who make a career out of solving crimes. Investigate the impact of modern technology, cutting-edge techniques of forensic science and explore the role of the forensic scientist in real-life cases. Participate in crime scene simulation and work with a team to solve a challenging case. Meet leading forensic scientists and discuss the career paths of this fascinating field. Detective Donald Comstock

### Cybersecurity

Understand the implications of the choices we make in our everyday lives when using technology. Engage in discussions regarding online safety, privacy, risks, vulnerabilities, cryptography and networking. Instructor: Brock Stout

### Electronics Basics

Considering a career in electronics and not sure where to start? Get started by learning the basics of electronics while building a radio kit. Properties of resistors, capacitors, and integrated circuits are discussed as each component is soldered into a circuit board. Digital and analog circuits will also be examined using Protoboard techniques.

### Game Asset Creation

Students have the opportunity to create assets to prepare for game engines and go through porting the asset in engine to ensure functionality. Participants will create 3D models on Maya, texture them in Substance Painter, optimize them, then port them into Unreal so that they are ready to be placed into a level.

### IT Administration

Understand what it takes to be an IT Administrator. Explore the growing industry of computer technology and get hands-on experience with PC hardware, network setup, virtualization, servers and security. Instructor: Brock Stout

### Pastry Chef 101

Start your pastry food journey at COD! Geared toward high school students and taught by industry professionals, our summer camp allows passionate young culinarians a preview of careers in the pastry arts. The four-day camp, held in COD's state of the art Culinary and Hospitality Center, offers hands-on experience in the basics of baking techniques. Each day we will focus on a different recipe and skills. The last day is a showcase of student creations. Come challenge yourself in a fun and relaxed learning environment!

### Social Media Marketing

An overview of social media marketing tools, platforms and strategies used to boost awareness, expand customer base and promote a business. Participants will learn brand image and how to form a marketing message using social media simulations to boost image awareness. Students will learn the differences between features and benefits and identify ways to use emotions and problem solving in marketing messages. Instructor: Mary Carlson

### Raspberry Pi

Get hands-on experience with the Raspberry Pi, an inexpensive computing platform. Practice introductory programming skills using the Python programming language. Gain a working knowledge of computer architecture through assembly language programming of the ARM and NEOX processors. You may use one of COD's Raspberry Pi computers in class, or bring your own from home if you want help setting it up.

### Teen Improv

Ever imagine yourself on stage? Maybe you just need to practice being comfortable speaking in front of a group. Take the plunge in a supportive, fun-filled environment! Explore the fundamentals of acting through improvisation, including character development, creative thinking, confidence building, active listening, and team building. Build foundational skills through interactive games and exercises. Instructor: Amelia Barrett

### Weld On, Women!

Participants learn the basics of welding from trained faculty members. Students are exposed to COD college programs that highlight training, and help map out career goals. Guest lectures and industry field trips lend insight on the latest industrial metal working equipment used to develop student skills associated with the welding trades. Welding, metal fabrication and safety are taught with a mix of lecture and hands-on competencies to foster a deeper appreciation of the trade. Instructor: Dave Ellis