

Course	Grade	Cost Est.	College Credit	Credit/Semester	Certifications	Focus of Program
Auto Body Repair & Refinishing	11/12	\$100.00	8	4/Fall 4/Spring	I-CAR certified program May achieve points for I-CAR platinum status S/P2 (Safety & Pollution Prevention Certification)	ASE/I-Car Certified Instructor. Metal straightening/sheet metal work., welding techniques, body panel repair and an alignment, cost/time estimating, plastic/fiberglass repairs, refinishing techniques, detailing and striping, shop management, State-of-the-art equipment including: Spraybake paint curing system, computerized paint lab, spray booth and welding stations.
Automotive Technology	11/12	\$100.00	3/yr 1 6/yr2*	3/Spring - 1st yr 6/Spring - 2nd yr	ASE and NATEF certified program supported by AYES Qualify for certification exams for ASE (Automotive Service Excellence) ratings based on 2 year coursework completion ASE Refrigerant Recovery and Recycling Certification S/P2 (Safety & Pollution Prevention) Certification	ASE Certified Instructors. Skill building in the following areas: engine tune up/lubrication, brakes, electrical, fuel, cooking, exhaust systems, wheels, steering and alignment. 2 year students perform diagnostics and build engines.
Computer Information Systems & Game Design	11/12	\$100.00	10*	4/Fall 6/Spring	AutoDesk 3ds Max Design (Upon completion of coursework, students are eligible to take the Microsoft C++ and/or the AutoDesk University Certified Associate Exams)	Design games, websites and apps. Coding, storyboarding and 3D character development. Programs include Java, HTML, 3D Studio Max, Visual Studio (Visual Basic and C #) GameMaker & Adobe Photoshop
Computer Science Principles	11/12	\$100.00	N/A	N/A	N/A	Programming (Python), computational thinking, Scratch animation, Android app development, visualization of data, cybersecurity & simulation
Construction Trades	11/12	\$100.00	2	2/Spring	OSHA 10 Certification	Job-site safety, proper use of hand/power tools, construction math. Carpentry skills including, framing walls and ceilings, floor installation, roofing, window/door installation. 2nd year students: drywall installation/finishing, trim work, plan/blueprint reading and site layout.
Cosmetology	11/12	\$450.00 + \$100.00/yr 1 \$300.00 + \$100.00/yr 2	up to 46*	Varies	State Certified Cosmetology Program Prepares students for Illinois State Cosmetology License Exam S/P2 (Safety & Pollution Prevention) Certification	Follows Illinois Department of Financial and Professional Regulation (IDFPR) state Cosmetology curriculum (1500 hours req.) Skills include: cuts, colors, perms, nail care, aesthetics & make-up. Suggested prerequisite classes include: chemistry, anatomy & geometry. Up to 46 hours of college credit are available upon successful completion of course requirements. ** Students need Social Security Number for Illinois State Examination.**
Criminal Justice	11/12	\$100.00	6	3/Fall 3/Spring	American Heart Association HeartSaver CPR/AED and First Aid Certification CERT (Community Emergency Response Team) Training/Certification	Traffic law and enforcement, criminal and juvenile law, crime prevention, courts and correctional system, homeland security, criminal investigation and police report writing. Simulations, demonstrations and guest presenters will enhance curriculum. Hands-on activities include traffic stops, field interviews, handcuffing, searching, fingerprinting and basic crime scene processing and mock trials.
Early Childhood Education & Care	11/12	\$100.00	3*	3/Spring	Illinois Gateway Credentials for Early Childhood - Level 1 Credential American Heart Association: HeartSaver CPR/AED and First Aid Certification	Child growth and development, basic philosophies of early childhood education, learning to maintain a safe, healthy an educational environment for children. Students will develop curriculum and age-appropriate activities and learning experiences and then implement them in on-site lab preschool for ages 3 - 5 year old children. Upon high school graduation and enrollment in a community college, the credentialed student qualifies for a Gateway Scholarship to pursue an Associate's Degree. 90 percent of tuition covered by scholarship up to and including a master's degree in ECE.
Electronics Technology	11/12	\$100.00	8	3/Fall 5/Spring	N/A	Language of electronics including symbols, data sheets, safety measures and diagrams. Electronic fabrication including the art of soldering. System testing procedures. Building, testing and troubleshooting electronic circuits using various equipment. Fundamentals of transformers, capacitors, inductors and DC circuits. 2nd semester digital electronics focus to include VEX and Parallax systems to program microchips and basic stamp microcontroller, Motor controls, programmable logic controllers and robotics with sensors/motors to design your own mini-automated system.
Emergency Medical Technician	12	\$100.00	11*	1/Fall 10/Spring	Healthcare Provider Level CPR Certification First Responder Defibrillator (FR-D) state license Emergency Medical Technician (EMT) license	Follows the standards of training in Emergency Medical Technician (EMT) National Standards. Once student reaches age 18, upon completion, students are eligible to take the state or national EMT licensing exam for the EMT-B certificate. **Students must have a Social Security Number upon registering for this class to sit for the National Exam.**
Fire Science	11/12	\$100.00	9	6/Fall 3/Spring	National Incident Management System (NIMS) 700 certification Courage to Be Safe certification Leadership, Accountability, Culture & Knowledge (LACK) certification	Follows the standards of training in NFPA 1001 (National Fire Protection Association) Standards for Firefighters. Topics covered include safety and fire behavior, rescue/extrication techniques, communications, equipment use and maintenance, CPR and EMR (Emergency Medical Responder).

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Healthcare Foundations	11/12	\$100.00	N/A	N/A	Authorized Training site with Certified Instructor for American Heart Association American Heart Association: HeartSaver CPR/AED American Heart Association: First Aid certification	Course is designed to meet the National Health Science Standards for healthcare foundations. Topics include: Overview of the modern Healthcare Delivery System and its broad spectrum of career pathways. Research, lab activities and group projects in medical terminology, basic anatomy, physiology, common disease/disorders, wellness and nutrition, growth and development, medical math and legal, ethical, cultural and social issues. Professional skills such as teamwork and communication will be covered.
Heating, Ventilation, Air Conditioning & Refrigeration (HVACR)	11/12	\$100.00	4	4/Spring	EPA certification through the ESCO Institute OSHA 10 certification	1st semester safety, mechanical and electrical fundamentals. Theory and electrical skills including single circuits, parallel circuits and motor controls. Sequence of operation of gas-fired, forced-air heating system. Installation, service, testing and replacement of forced-air heating system. 2nd semester air-conditioning fundamentals, soldering, brain, proper refrigerant handling.
Medical Terminology & Healthcare Careers	11/12	\$100.00	5*	5/Spring	N/A	Topics include: biomedical terminology as it relates to each body system and to healthcare careers and medical specialties. Guest speakers, multimedia assignments, interactive SMART board activities, authentic lab activities, word games and case studies. Explore Select medical math topics and learn job-seeking skills.
Multimedia & Television Production	11/12	\$100.00	9	3/Fall 6/Spring	N/A	Radio and TV broadcasting, script writing, computer editing, digital video, digital audio, multi-track recording, set design, studio lighting, remote lighting, video graphics and animation.
Nursing Assistant Training Program * Additional fees for testing and certification*	11/12	\$100.00*	6*	6/Spring	State approved Nursing Assistant Training program Nursing Assistant Certification Exam Eligibility American Heart Association: HeartSaver CPR/AED certification	Curriculum approved by the Illinois Department of Public Health. Topics covered include: body systems, the nature of disease, common health problems and medical terminology. Safely lifting, moving and transporting patients. Measuring and recording vital signs, reporting observations, personal care, technical skills and responding to a variety of patient conditions. **Students MUST have a Social Security Number upon registering for the class for Illinois State Licensing and Dual Credit with COD.**
Precision Engineering & Design Technology	11/12	\$100.00	Pending	Pending	N/A	Students will use 2D modeling software, such as Revit, AutoCAD (computer aid design), Inventor and Adobe to complete projects related to architecture, construction, manufacturing, civil engineering, medical technology and more. 3D parametric solid-part modeling software will also be used to create prototypes with TCD's state-of-the-art 3D printers. Learn how to control Computer Numerically Controlled (CNC) machine tools and how to program and operate CNC machining and turning centers.
Professional Cooking, Baking & Service (Pro-CBS)	11/12	\$100.00	up to 13*	13/Spring	National Restaurant Association ProStart Program American Culinary Federation Educational Foundation (ACFEF) Accredited program American Culinary Federation Certified Fundamentals Cook ProStart Sanitation Certification of Achievement ServSafe Sanitation Certification: Food Protection Manager ServSafe Allergens Certificate of Completion Wisconsin Milk Marketing Board Cheesecyclopedia: Certificate of Completion S/P2 (Safety & Pollution Prevention) certificate	Cooking, baking, knife skills and service training. All students will complete a 3-week rotation exploring cooking, baking and service careers. The rest of the year is a student's choice; continuing in a dual credit/certification pathway of Cooking or Baking, or operating the "TCD to Go" quick-serve restaurant. 2nd year students spend 6 weeks in C-B-S Boot Camp working in teams to develop a restaurant concept, which they will then implement.
Project Lead the Way (PLTW) "Pathway to Engineering"	11/12	\$100.00	3	3/Spring (EDD)	N/A	Science, technology, engineering and math. 1st-year students will complete foundational courses, Introduction to Engineering Design (IED) and Principles of Engineering (POE). 2nd-year students can then opt to continue in the PLTW sequence with the following courses: Civil Engineering and Architecture (CEA), Computer Science Principles (CSP), Digital Electronics (DE) and Engineering Design and Development (EDD).
Welding Technology	11/12	\$100.00	3	3/Spring	OSHA 10 certification	Develop skill in creating fundamental welding joints (butt, T, lap and corner). Work with processes including: SMAW (shielded metal arc welding), GMAW (gas metal arc welding), GTAW (gas tungsten arc welding) and oxyacetylene. Welding, cutting and brazing. Estimating, accurate measurement techniques, shop expansion, time management, industrial math and communication skills. 2nd-year students will learn to interpret fabrication blueprints, including welding symbols, metal shapes and specifications.

* Denotes prerequisite testing