# 2021-2022 10th – 12th Grade Recruitment Application

<table>
<thead>
<tr>
<th>Date:</th>
<th>I plan to attend during the ○ AM or ○ PM</th>
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<tbody>
<tr>
<td>Home School:</td>
<td>Counselor:</td>
</tr>
<tr>
<td>Student’s Name:</td>
<td>I.D. Number:</td>
</tr>
<tr>
<td>Date of birth:</td>
<td>Gender:</td>
</tr>
<tr>
<td>Current address:</td>
<td>City:</td>
</tr>
<tr>
<td>Grade Level:</td>
<td>Email address: (please print)</td>
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<tr>
<td>Student’s Signature:</td>
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</tbody>
</table>

Please indicate if you are a second-year student at Randolph CTC: ○ YES or ○ NO

Alternate Persons contact Information

<table>
<thead>
<tr>
<th>Name:</th>
<th>Address:</th>
<th>Phone:</th>
</tr>
</thead>
<tbody>
<tr>
<td>City:</td>
<td>State:</td>
<td>ZIP Code:</td>
</tr>
<tr>
<td>Relationship:</td>
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## Program Offerings

For accommodation purposes Applying as a:
- ○ General Education Student
- ○ Section 504 Student
- ○ Student with a Disability
- ○ Construction Carpentry
- ○ Construction Electricity
- ○ Welding
- ○ Painting and Drywall Finishing
- ○ Plumbing and Pipefitting
- ○ Masonry
- ○ Entrepreneurship and Project Management
- ○ Heating, Ventilation, Air Conditioning, Refrigeration

1<sup>st</sup> Choice:

2<sup>nd</sup> Choice:

3<sup>rd</sup> Choice:

**NOTE:** Enrollment process is complete when student reports to Randolph…spaces WILL NOT be held!

*Students in grades 10 – 12 must provide a transcript.*

**DISCLAIMER:** Ninth grade students will not enroll in career tech classes until their junior year.

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In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Acts of 1973, the Age Discrimination Act of 1975, and the Americans with Disability Act of 1990, it is the policy of the Board of Education of the school district of the City of Detroit that no person shall, on the basis of race, color, religion, national origin, or ancestry, sex, age, disability, height, weight, or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment. Contact the Office of Civil Rights, 3031 West Grand Blvd, Detroit, MI 48202 (313) 873-3111
Course Description

Construction Carpentry (one-year program)
The Carpentry course prepares students with skills and knowledge for a career in residential and/or commercial carpentry. Projects include rough framing of structures, foundations and roofs, application of siding, installation of fixtures, and drywall. The students in this program will build a 1200 square foot ranch home from the ground-breaking to the finished product when materials are available. Hands-on learning will be used for entry-level jobs in the construction industry or necessary lifetime skills.

Construction Electricity (one-year program)
The Construction Electricity course is designed to provide students with instruction and training in areas that prepare them to enter the electrical trades. Areas of instruction include electrical theory, circuit design and operation, the national electrical code, blueprint reading, construction blueprint interpretation, and test equipment usage. Students plan and organize wiring tasks and gain practical experience by wiring mock-ups and trainers. Students become familiar with tools, materials, and methods used in residential wiring. Students troubleshoot circuits for faulty operation and make repairs. Specific studies include AC and DC theory, series and parallel circuits, motor and generator theory, motor controls, lighting and appliance wiring, low voltage wiring, and testing and repair.

Heating, Ventilation, Air Conditioning, Refrigeration (HVACR) (two-year program)
The Heating, Ventilation, Air Conditioning, Refrigeration (HVACR) prepares students to test and service air conditioning units, perform electrical, mechanical, and maintenance tasks. Students learn about the installation, maintenance, and operation of residential air conditioning and refrigeration systems. Principles of air conditioning and refrigeration are explained, including gas expansion and compression, heat transfer, evaporation, condensation, thermostatic control, motors, and electrical circuitry. Students also learn the basic heat system which includes operating controls, carbon monoxide analysis, service maintenance, and installation.

Entrepreneurship and Construction Project Management (one-year program)
The Entrepreneurship/Construction Project Management courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management.

Construction Masonry (one-year program)
The Masonry course prepares students to be highly skilled craftsmen who use specialized equipment and tools to mix mortar, bond materials together for form patterns, and lay out and construct foundations, masonry walls, patios, and other types of stonework. Upon completion, graduates may work as a mason helper, enter an apprenticeship, or operate their own business.

Construction Plumbing & Pipefitting (one-year program)
The Plumbing and Pipefitting course will prepare students to assemble, measure and construct piping and plumbing systems. Students will learn to install, repair, and replace piping systems. Students will fabricate piping materials for water, gas, drain, waste, and vent systems by installing hot water tanks, appliances, and fixtures. They will also learn how to lay-out plans for plumbing systems, maintain plumbing equipment, rough in piping systems, and install hydronic heating systems.

Painting and Drywall Finishing (one-year program)
The Painting and Decorating/Drywall Finishing course will prepare individuals with the fundamentals of exterior and interior painting, interior decorating and design, wood finishing and refinishing, drywall finishing, texturing, spray painting, and faux finishing.

Welding for Construction Trades (one-year program)
The Welding, Brazing and Soldering course will prepare individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing, and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.

Additional Training

OSHA-10 Safety Certification
The Occupational Safety and Health Administration-30 (OSHA) course provides extensive knowledge in environmental, health and safety. This program is sponsored by OSHA and gives students a true understanding about all safety aspects associated with construction, manufacturing, transportation, and the mining industries. It is a highly sought-after certification by employers with no cost to our students.

SIMLOG Heavy Equipment Simulation Training
Each student will have the opportunity to develop real skills for high demand jobs by using computerized heavy equipment simulators. Students will learn to operate a Wheel Loader, Mobile Crane, and Hydraulic Excavator. Students will select one simulator and those who are successful in completing the rigorous coursework will receive a certificate in operating heavy equipment.