



## Commercial Refrigeration DIPLOMA

**MAJOR CODE: CR12    REQUIRED CREDIT HOURS: 55    CIP Code: 47.0201**

**Location(s):** DeKalb

**Program Description:** As a Commercial Refrigeration Technician the student will be prepared for a career in the commercial refrigeration industry. This industry is differentiated from the air conditioning industry by both the temperatures maintained, 45 degrees F and lower, and equipment serviced. The commercial refrigeration field encompasses such prevalent equipment as refrigerators, freezers, soft drink machines, water coolers, ice machines, cryo-freezers as found in hospitals and research laboratories, and a range of others. The student will be prepared to install, service, and sell refrigeration equipment.

| <u>Course Number</u> | <u>Course</u>  | <u>Credit Hours</u> | <u>Pre/Co-Requisite(s)</u>        |
|----------------------|--|---------------------|-----------------------------------|
| AIRC 1005            | Refrigeration Fundamentals                           | 4                   |                                   |
| AIRC 1010            | Refrigeration Principled and Practice                | 4                   | Co-req:<br>AIRC1005               |
| AIRC 1020            | Refrigeration System Components                      | 4                   | Co-req:<br>AIRC1010               |
| MATH 1012            | Foundations of Mathematics                           | 3                   | Refer to<br>Catalog               |
| AIRC 1030            | HVACR Electrical Fundamentals                        | 4                   | AIRC1020,<br>Co-req<br>MATH1012   |
| AIRC 1040            | HVACR Electrical Motors                              | 4                   | Co-req<br>AIRC1030                |
| AIRC 1050            | HVACR ELCT Components and Control                    | 4                   | Co-req<br>AIRC1040                |
| ENGL 1010            | Fundamentals of English I                            | 3                   | Refer to<br>Catalog               |
| AIRC2004             | Thermodynamics of Refrigeration                      | 2                   | Co-req<br>AIRC1050                |
| AIRC2070             | Commercial Refrigeration Design                      | 4                   | Co-req<br>AIRC1090 or<br>AIRC2004 |
| COMP 1000            | Introduction to Computer Literacy                    | 3                   | Refer to<br>Catalog               |
| AIRC2080             | Commercial Refrigeration Applications                | 4                   | AIRC2070                          |
| AIRC2090             | Troubleshoot and Service Commercial Refrigeration    | 4                   | Co-req<br>AIRC2080                |
| ELCR1010             | Direct Current Circuits                              | 6                   | Program<br>Instructor<br>Approval |
| EMPL 1000            | Interpersonal Relations and Professional Development | 2                   | Refer to<br>Catalog               |
| <b>Total</b>         |  | <b>55</b>           |                                   |

**Notes**

- Course descriptions, and required pre/co-requisites are available in the college catalog, which can be found online at <https://www.gptc.edu/current-students/course-catalog/>.
- Changes to program requirements can be made and will be properly communicated to students.

### **Gainful Employment Information**

- Gainful employment information for this program can be found at:  
<https://www.gptc.edu/Commercial%20Refrigeration/CommercialRefrigerationGE.html>

### **Additional Information**

- As set forth in its student catalog, Georgia Piedmont Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status(except in those special circumstances permitted or mandated by law). Contact Lisa Peters, the ADA Coordinator at 404-297-0522, ext. 1154, ADA504Coordinator@gptc.edu or at the main DeKalb campus, 495 N.Indian Creek Drive, Clarkston, GA 30021, Room A-170; or Dr. Debra Gordon, the Title IX Coordinator, at 404-297-9522, ext. 1176, TitleIXCoordinator@gptc.edu or at the main DeKalb campus, 495 N. Indian Creek Drive, Clarkson, GA 30021 Room A103 for assistance.
- For more information about our graduation rates and other important program information, please visit our website at: <http://www.gptc.edu/wp-content/uploads/2018/02/Placement-rate-by-program.pdf>
- Georgia Piedmont Technical College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Associate of Applied Science degrees, diplomas and technical certificates of credit. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Georgia Piedmont Technical College. The Commission should be contacted only if there is evidence that appears to support Georgia Piedmont Technical College's significant non-compliance with Commission requirements or standards. Inquiries related to normal and ongoing College operations such as admission requirements, financial aid, programs, etc., should be addressed directly to Georgia Piedmont Technical College and not to the Commission on Colleges.