

Dual Enrollment Option B

Industrial Systems



High School Graduation Option B offers qualified students an alternate path to high school graduation. Students choose to simultaneously earn a high school diploma and a college Associate Degree, or a Technical Diploma, or two (2) Technical Certificates of Credit in a specific career pathway. The dual enrollment funding program cap of 30 credit hours applies.

Complete all required high school courses:

- 2 English: American Literature & Another
- 2 Math: Algebra 1 or Coordinate Algebra & Another
- 2 Science: Biology & Another
- 2 Social Studies: *beginning with freshman class
- 2022-23, students will be required to take Personal Finance, Economics & American Government
- 1 Health/PE
- All required Milestone/EOC Exams



Complete any of the following Technical

- College Credentials:**
- Any one Associate Degree
 - Any one Diploma Program
 - Two TCCs from approved list

High School Graduation Option B: Health Care - TWO Technical Certificates of Credit

Required Technical Certificates: *IF11 Industrial Fluid Power Technician **AND**

IE41 Industrial Electrician **OR** IT61 Introduction to Motor Controls

Location(s): Houston County College & Career Academy | Macon | Warner Robins

Total Semesters Needed: 2-4 depending on courseload

Total Credit Hours: 21

Industrial Fluid Power Technician (IF11)

Prepares students to inspect, maintain, service, and repair industrial mechanical systems, fluid power systems, and pumps and piping systems. Topics include safety procedures, mechanics, fluid power, and pumps and piping system maintenance.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
IDSY 1170	None	Industrial Mechanics	1	Fall & Spring (M)	4
IDSY 1190	None	Fluid Power Systems	1	Fall	4
IDSY 1195	None	Pumps and Piping Systems	1	Fall & *Spring (M)	3
Total Hours:					11

If you need additional information, contact us:

Email: highschool@centralgatech.edu | **Phone:** (478) 218-3752

Industrial Electrician (IE41)

Prepares students for employment using basic electrical maintenance skills. Instruction is provided in the occupational areas of industrial safety, direct and alternating current principles, and industrial wiring.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
IDFC 1011 IDSY 1101	None	Direct Current I DC Circuit Analysis	2	Fall	3
IDSY 1130	IDSY 1101 or 1105	Industrial Wiring	2	Fall & Spring (M)	4
Select one of the following three courses:					
ELTR 1020	None	Electrical Systems Basics I	2	Fall	3
IDFC 1012	None	Alternating Current I	2		3
IDSY 1105	None	AC Circuit Analysis	2	Fall (M)	3
Total Hours:					10

Introduction to Motor Controls (IT61)

The Introduction to Motor Controls technical certificate provides hands-on experience for students. This embedded certificate allows for a seamless pathway for students interested in the Industrial Systems Technology profession.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
IDFC 1007	None	Industrial Safety Procedures	2		2
IDSY 1110	None	Industrial Motor Controls I	2		4
IDSY 1195	None	Industrial Motor Controls II	2		4
Total Hours:					10

*Subject to change

*Suggested to be taken before or with course.