



## New Program Report

**Date Submitted:**

02/28/2023

**Institution**

St. Charles Community College

**Site Information**

**Implementation Date:**

8/13/2023 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

St. Charles Community College, 4601 Mid Rivers Mall Drive, St. Peters, MO, 63376

**CIP Information**

**CIP Code:**

150612

**CIP Description:**

A program that prepares individuals to apply basic engineering principles and technical skills in support of industrial engineers and managers. Includes instruction in optimization theory, human factors, organizational behavior, industrial processes, industrial planning procedures, computer applications, and report and presentation preparation.

**CIP Program Title:**

Industrial Technology/Technician

**Institution Program Title:**

Interdisciplinary Technology

**Degree Level/Type**

**Degree Level:**

Associate Degree

**Degree Type:**

Associate of Applied Arts

**Options Added:**

Collaborative Program:

N

**Mode of Delivery**

Current Mode of Delivery

Classroom

**Student Preparation**

Special Admissions Procedure or Student Qualifications required:

Regular SCC Admissions Requirements



DEPARTMENT OF  
HIGHER EDUCATION &  
WORKFORCE DEVELOPMENT

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Specific Population Characteristics to be served:

n/a

### Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Faculty must have industry related knowledge in the specialty areas that make up the interdisciplinary degree (i.e. HVAC, data analysis, Welding, etc).

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

Approximately 25% of program will be taught by full-time faculty. This is due to the nature of the program that is designed to provide a wide breath of career technical knowledge areas.

Expectations for professional activities, special student contact, teaching/learning innovation:

All Faculty must complete SCC professional development activities and stay abreast of changes in the field of study and stay up to date on any national certifications.

### Student Enrollment Projections Year One-Five

<b>Year 1</b>	<b>Full Time: 15</b>	<b>Part Time: 0</b>	
<b>Year 2</b>	<b>Full Time: 30</b>	<b>Part Time: 0</b>	
<b>Year 3</b>	<b>Full Time: 30</b>	<b>Part Time: 0</b>	<b>Number of Graduates: 15</b>
<b>Year 4</b>	<b>Full Time: 30</b>	<b>Part Time: 0</b>	
<b>Year 5</b>	<b>Full Time: 30</b>	<b>Part Time: 0</b>	<b>Number of Graduates: 15</b>

### Percentage Statement:

80.00

### Program Accreditation

Institutional Plans for Accreditation:

This program has already been approved by HLC accreditation.

### Program Structure

#### Total Credits:

71

#### Residency Requirements:

15

#### General Education Total Credits:

16

#### Major Requirements Total Credits:

55

#### Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
see attached	0	see attached

#### Free Elective Credits:

0



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**Internship or other Capstone Experience:**

N/A

**Assurances**

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

**Contact Information**

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# Interdisciplinary Technology AAS

Subject	Course	Title	Credits
<b>General Education Requirements* (16 credits)</b>			
Mathematics	MAT 105 or higher	Applied Mathematics	3
	ENG 101 or	English Composition I	
Communication	ENG 102 or	English Composition II	3
	ENG 115 or	Technical Writing	
	COM 101 or	Introduction to Communication	3
Social Science	HIS 101 or	U.S. History to 1877 or	
	HIS 102 or	U.S. History Since 1877 or	
	HIS 103 or	African American History to 1877	3
	HIS 104 or	African American History Since 1877	
	POL 101	American Government	
	POL 102	State and Local Government	3
	PHY 111 or COL 101	Intro to Physical Science College Success Seminar	1

**Program Major Concentration (45-54 credits)**

Students choose 2 to 3 certificates based on interest and future career goals.

Certificate	Credits
Facilities Maintenance	18
Electrical Electronics	18
Robotics Automation	18
CyberSecurity*	29
Data Analytics	16
HVAC-R	16
Hydraulics Pneumatics	15
CAD - General	16
Mechanical Design and Drafting	16
Advanced Welding	15
Entry-Level Welding	31
Basic Welding	14

\* Due to the credit level of the Cyber Security CS, students can not take this in conjunction with basic welding or Hydraulics Pneumatics as it wouldn't provide enough credit hours for graduation

**Total Required Hours: 61-71 credits**