



New Program Report

Date Submitted:

10/28/2022

Institution

St. Charles Community College

Site Information

Implementation Date:

10/28/2022 12:00:00 AM

Added Site(s):

Selected Site(s):

SCC Technical Center, 209 West Pearce Boulevard, Wentzville, MO, 63385

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

CIP Information

CIP Code:

480508

CIP Description:

A program that prepares 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.

CIP Program Title:

Welding Technology/Welder

Institution Program Title:

Welding

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate in Applied Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation



New Program Report

Special Admissions Procedure or Student Qualifications required:

This long-standing degree has historically been an option under our AAS in General Technology. We would like to have this degree stand on its own going forward.

Specific Population Characteristics to be served:

This long-standing degree has historically been an option under our AAS in General Technology. We would like to have this degree stand on its own going forward.

Faculty Characteristics

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

This long-standing degree has historically been an option under our AAS in General Technology. We would like to have this degree stand on its own going forward. All current faculty will continue their teaching.

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

This long-standing degree has historically been an option under our AAS in General Technology. We would like to have this degree stand on its own going forward. All current faculty will continue their teaching.

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

This long-standing degree has historically been an option under our AAS in General Technology. We would like to have this degree stand on its own going forward. All current faculty will continue their teaching.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 115	Part Time: 160	
Year 2	Full Time: 115	Part Time: 160	
Year 3	Full Time: 115	Part Time: 160	Number of Graduates: 50
Year 4	Full Time: 135	Part Time: 200	
Year 1	Full Time: 115	Part Time: 160	
Year 2	Full Time: 115	Part Time: 160	
Year 3	Full Time: 115	Part Time: 160	Number of Graduates: 50
Year 4	Full Time: 135	Part Time: 200	
Year 5	Full Time: 135	Part Time: 200	Number of Graduates: 50

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

Our program will continue to be accredited through HLC.

Program Structure



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Total Credits:

60

Residency Requirements:

15 credits

General Education Total Credits:

16

Major Requirements Total Credits:

44

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
wld 101	3	Introduction to Welding

Free Elective Credits:

0

Internship or other Capstone Experience:

An Internship is required

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

First and Last Name: Devin
Miles

Email: dmiles@stchas.edu

Phone: 636-922-8246

Welding AAS

SUBJECT	COURSE	TITLE	CREDITS
General Education Requirements (16 credits)			
Mathematics	MAT 105	Applied Mathematics or higher	3
	ENG 101 or	English Composition I	3
	ENG 102 or	English Composition II	
ENG 115	Technical Writing		
Communication	COM 101 or	Introduction to Communication	3
	COM 104 or	Small Group Communication	
	COM 106 or	Public Speaking	
	COM 110	Interpersonal Communication	
Social Sciences	HIS 101 or	U.S. History to 1877 or	3
	HIS 102 or	U.S. History Since 1877 or	
	HIS 103 or	African American History to 1877	
	HIS 104 or	African American History Since 1877	
	POL 101	American Government	
	CHM 101 or	Introduction to Chemistry	
Natural Science	BIO 105 or	Essentials of Biology	3
	BIO 108 or	Trends in Science	
	BIO 110 or	Human Biology	
	PHY 105 or	Environmental Geology	
	PHY 111 or	Introduction to Physical Science	
	PHY 125 or	Introduction to Physical Geology	
College 101 Requirement	PHY 130	Astronomy	
College 101 Requirement	COL 101	College Success Seminar	1
Core Course Requirements (44 credits)			
	WLD 101	Introduction to Welding	3
	WLD 111	Thermal Cutting	2
	WLD 121	Shielded Metal Arc Welding I	4
	WLD 221	Shielded Metal Arc Welding II	4
	WLD 125	Welding Inspection & Testing	2
	WLD 131	Gas Metal Arc Welding I	3
	WLD 231	Gas Metal Arc Welding II	4
	WLD 141	Flux Cored Arc Welding I	3
	WLD 241	Flux Cored Arc Welding II	4
	WLD 151	Gas Tungsten Arc Welding I	4
	WLD 251	Gas Tungsten Arc Welding II	4
	MFG 132	Precision Tool & Measurement	3
	MFG 130	Basic Blueprint Reading	3
	MFG 290	Internship Capstone	1
Total Required Hours: 60 credits			