

SCIENTIFIC WORKPLACE PREPARATION, COLLEGE CREDIT CERTIFICATE

7. Demonstrate appropriate interpersonal skills, decision-making strategies, and awareness of self-worth, ethics and values.
 - *Supports Core Ability: Model Ethical and Civic Responsibility*

Program Code: SWCC

Meta-Major: STEM

Location(s): Cocoa, Melbourne, Palm Bay, Titusville, Online

Delivery Method(s): Hybrid, Online

Previous Degree Required: HS Diploma

Eligible for Financial Aid: Yes

Additional Limited Access Application Process Required: No

Program Testing Requirements: CPT - Common Placement Test (PERT, ACCUPLACER, SAT, ACT)

Classification of Instructional Programs (CIP) Code: 41.0301

Florida Department of Education CIP Code: 0641030102

This certificate is part of the [Chemical Technology A.S.](#) degree program.

This program prepares students for entry-level employment in a science or health-related industry. This program meets prerequisite requirements for several health science [Associate in Science \(A.S.\)](#) degrees. Credits earned in this certificate will also apply to the [Associate in Science degree in Chemical Technology](#). [Visit the program page for more details and how to apply.](#)

Certificate Requirements

Code	Title	Credit Hours
BSCC 1010	General Biology 1	4
BSCC 2093	Human Anatomy and Physiology 1	4
BSCC 2094	Human Anatomy and Physiology 2	4
CHM 1045	General Chemistry 1	3
CHML 1045	General Chemistry 1 Laboratory	1
ENC 1101	Composition 1	3
MAC 1105	College Algebra	3
MCBC 2010	Microbiology for Health Sciences	4
Total Credit Hours		26

Learning Outcomes: Scientific Workplace Preparation, College Credit Certificate

1. Produce valid written scientific records
 - *Supports Core Ability: Communicate Effectively*
2. Manipulate data to construct and interpret appropriate graphs.
 - *Supports Core Ability: Process Information*
3. Working in a group, explore a scientific topic of interest.
 - *Supports Core Ability: Work Cooperatively*
4. Demonstrate basic foundational knowledge of scientific and chemical concepts.
 - *Supports Core Ability: Think Critically & Solve Problems*
5. Select and utilize appropriate glassware, chemicals, and laboratory equipment to complete a common laboratory task.
 - *Supports Core Ability: Think Critically & Solve Problems*
6. Solve Chemical Kinetics or Equilibrium Problems.
 - *Supports Core Ability: Think Critically & Solve Problems*