

CURRICULUM STANDARD

Effective Term
Fall 2023
[2023*03]

Curriculum Program Title	Orthopaedic Technology	Program Code	A45790
Concentration	(not applicable)	CIP Code	51.0923

Curriculum Description

The Orthopaedic Technology program prepares individuals for employment in clinical and surgical settings assisting the orthopaedic team. Students completing the curriculum will be eligible to sit for the Orthopedic Technology certification examination. This program also provides necessary background for the supplemental certification.

Students will become proficient in plaster and synthetic casting techniques and applications, removing casts properly applying traction, detect deficiencies in the procedure and supplies, make indicated adjustments for casts, and assist the orthopaedic surgeon in the OR.

Employment opportunities are available in a variety of clinical settings including orthopaedic clinics, hospitals, independent surgical centers, and ambulatory care settings.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with **1D SBCCC 400.10**]

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Approved by the State Board of Community Colleges on February 21, 2020; SBCC Revised 04/21/2023.

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** *(if applicable)*. A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Orthopaedic Technology A45790

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	35 SHC	NR	
Required Courses: OTC 110 Intro to Orthopaedic Technology 3 SHC OTC 112 General Patient Care 3 SHC OTC 115 Ortho Anatomy and Physiology 3 SHC OTC 120 Basic Radiologic Concepts 3 SHC OTC 210 Ortho Equipment 3 SHC OTC 212 Physical Assessment 3 SHC OTC 215 Casting and Splinting I 3 SHC OTC 220 Custom Bracing 3 SHC OTC 225 Casting and Splinting II 3 SHC OTC 280 Professional Practice 3 SHC Clinical Education: OTC 150 Clinical Practice I 5 SHC			
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> BIO, BUS, CHM, HIT, HSC, MED, OST, OTC, PHM, PSY, PTA, and WBL <i>Up to two semester hour credits may be selected from ACA.</i> <i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, IRI, ITA, JPN, LAT, POR, RUS and SPA.</i>			