

# CURRICULUM STANDARD

Effective Term  
Fall 2020  
[2020\*03]

Curriculum Program Title	<b>Orthopaedic Technology</b>	Program Code	<b>A45790</b>
Concentration	<b>(not applicable)</b>	CIP Code	<b>51.0923</b>

## 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.

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

\*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.

## **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**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>																																							
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>																																							
<p><b>A. CORE</b>  <i>A diploma offered under this AAS degree requires a minimum of 12 SHC extracted from the core courses of the AAS degree designated with *</i></p> <p><b>Required Courses:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">OTC 110</td><td style="width: 70%;">Intro to Orthopaedic Technology</td><td style="width: 20%;">3 SHC</td></tr> <tr><td>OTC 112</td><td>General Patient Care</td><td>3 SHC</td></tr> <tr><td>OTC 115</td><td>Ortho Anatomy and Physiology</td><td>3 SHC</td></tr> <tr><td>OTC 120</td><td>Basic Radiologic Concepts</td><td>3 SHC</td></tr> <tr><td>OTC 210</td><td>Ortho Equipment</td><td>3 SHC</td></tr> <tr><td>OTC 215</td><td>Casting and Splinting I</td><td>3 SHC</td></tr> <tr><td>OTC 212</td><td>Physical Assessment</td><td>3 SHC</td></tr> <tr><td>OTC 220</td><td>Custom Bracing</td><td>3 SHC</td></tr> <tr><td>OTC 225</td><td>Casting and Splinting II</td><td>3 SHC</td></tr> <tr><td>OTC 280</td><td>Professional Practice</td><td>3 SHC</td></tr> </table> <p><b>Clinical Education:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;">OTC 150</td><td style="width: 70%;">Clinical Practice I</td><td style="width: 20%;">5 SHC</td></tr> <tr><td>OTC 250</td><td>Clinical Practice II</td><td>5 SHC</td></tr> <tr><td>OTC 260</td><td>Clinical Practice III</td><td>8 SHC</td></tr> </table>	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 215	Casting and Splinting I	3 SHC	OTC 212	Physical Assessment	3 SHC	OTC 220	Custom Bracing	3 SHC	OTC 225	Casting and Splinting II	3 SHC	OTC 280	Professional Practice	3 SHC	OTC 150	Clinical Practice I	5 SHC	OTC 250	Clinical Practice II	5 SHC	OTC 260	Clinical Practice III	8 SHC	<b>48 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
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 215	Casting and Splinting I	3 SHC																																								
OTC 212	Physical Assessment	3 SHC																																								
OTC 220	Custom Bracing	3 SHC																																								
OTC 225	Casting and Splinting II	3 SHC																																								
OTC 280	Professional Practice	3 SHC																																								
OTC 150	Clinical Practice I	5 SHC																																								
OTC 250	Clinical Practice II	5 SHC																																								
OTC 260	Clinical Practice III	8 SHC																																								
<b>B. CONCENTRATION</b> <i>(Not applicable)</i>																																										
<p><b>C. OTHER MAJOR HOURS</b>  <i>To be selected from the following prefixes:</i></p> <p>BIO, BUS, CHM, HIT, HSC, MED, OST, PHM, PSY, and WBL</p> <p><i>Up to two semester hour credits may be selected from ACA.</i></p> <p><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></p>																																										