

# CURRICULUM STANDARD

*Effective Term*  
*Fall 1997*  
*[1997\*03]*

Curriculum Program Title	<b>Dental Laboratory Technology</b>	Code	<b>A45280</b>
Concentration	<b>(not applicable)</b>		

## *Curriculum Description*

The Dental Laboratory Technology curriculum prepares individuals in the art and science of fabricating dental restorations. The dental technician fabricates dentures, partials, metal or porcelain crowns, and bridges. Technicians use specialized hand instruments and equipment and also work with various dental materials.

Course work includes in-depth studies of fabrication techniques for both fixed and removable dental prostheses. The dental laboratory technology student will be exposed to classroom, laboratory, and clinical rotation training.

Graduates may qualify to take the Recognized Graduate Examination administered by the National Board for Certification and may be employed by commercial laboratories, dental office laboratories, dental manufacturers, or as the owner of a dental laboratory.

## *Curriculum Requirements\**

*[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]*

- 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 experience, including cooperative education, practicums, and internships, 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>

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\*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*

[ref. 23 NCAC 02E.0204 (3)]

- 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 experience, including cooperative education, practicums, and internships, 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.

### Dental Laboratory Technology A45280

	AAS	Diploma	Certificate																																	
<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 required subject/course core of the AAS degree.</i></p> <p><b>Required Courses:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%;">DLT 111</td><td style="width: 65%;">Dental Anatomy/Physiology</td><td style="width: 20%;">5 SHC</td></tr> <tr><td>DLT 114</td><td>Dental Materials</td><td>3 SHC</td></tr> <tr><td>DLT 116</td><td>Complete Dentures</td><td>4 SHC</td></tr> <tr><td>DLT 118</td><td>Cast Partial Dentures</td><td>6 SHC</td></tr> <tr><td>DLT 123</td><td>Crown and Bridge</td><td>6 SHC</td></tr> <tr><td>DLT 126</td><td>Advanced Crown and Bridge</td><td>4 SHC</td></tr> <tr><td>DLT 211</td><td>Advanced Complete Dentures</td><td>6 SHC</td></tr> <tr><td>DLT 215</td><td>Advanced Partial Dentures</td><td>3 SHC</td></tr> <tr><td>DLT 217</td><td>Ceramic Techniques</td><td>5 SHC</td></tr> <tr><td>DLT 222</td><td>Advanced Ceramic Techniques</td><td>5 SHC</td></tr> <tr><td>DLT 224</td><td>Dental Lab Practice</td><td>2 SHC</td></tr> </table> <p><b>Required Subject Areas:</b> None</p>	DLT 111	Dental Anatomy/Physiology	5 SHC	DLT 114	Dental Materials	3 SHC	DLT 116	Complete Dentures	4 SHC	DLT 118	Cast Partial Dentures	6 SHC	DLT 123	Crown and Bridge	6 SHC	DLT 126	Advanced Crown and Bridge	4 SHC	DLT 211	Advanced Complete Dentures	6 SHC	DLT 215	Advanced Partial Dentures	3 SHC	DLT 217	Ceramic Techniques	5 SHC	DLT 222	Advanced Ceramic Techniques	5 SHC	DLT 224	Dental Lab Practice	2 SHC	<b>49 SHC</b>	<b>12 SHC</b>	
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<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, CIS, COE, CSC, HSC, DLT, and PHS</p> <p><i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i></p>																																				