As of Fall 2018, this program is no longer accepting new students.

Academic Prerequisites

Dental Laboratory Technology

TWO-YEAR CERTIFICATE

Dental Laboratory Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE

DENTAL LABORATORY TECHNOLOGY AAS DEGREE

Minimum 91 credits. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. Students must complete a total of sixteen credits of General Education. Some courses specified within the program may be used as General Education. Math/computation competency is met through the courses in the program of study indicated with a § symbol. Students should consult with program advisors for course planning. As of Fall 2018, this program is no longer accepting new students.

COURSE OF STUDY

The coursework listed below is required. The following is an example of a term-by-term breakdown.

First Term

DT 101 Dental Technology Lab I § 6
DT 120 Dental Anatomy § 2
DT 141 Denture Techniques I 2
DT 151 Science of Dental Materials I 2

Second Term

DT 102 Dental Technology Lab II § 6
DT 142 Denture Techniques II 2
DT 152 Science of Dental Materials II 3
HE 125 First Aid & Industrial Safety 3

General Education 4

Third Term

DT 103 Dental Technology Lab III § 6
DT 271 Partials, Immediate, and Overdentures § 2

Any COMM course on General Education List 4

DT Degree Electives 4

Fourth Term

DT 204 Dental Technology Lab IV § 6
DT 253 Science of Dental Materials III § 2
DT 270 Inlay Casting, Crown and Bridge § 3
DT 275 Dental Laboratory Management § 2

Fifth Term

DT 205 Dental Technology Lab V § 6
DT 254 Science of Dental Materials IV § 2
DT 272 Dental Ceramics § 3
DT 276 Dental Laboratory Management Lab § 1

General Education 4

Sixth Term

DT 206A Dental Technology Lab VI (Fabrication Ortho Appliances) § 3
DENTAL LABORATORY TECHNOLOGY

First Term

DT 101 Dental Technology Lab I § 6
DT 120 Dental Anatomy § 2
DT 141 Denture Techniques I 2
DT 151 Science of Dental Materials I 2

Second Term

DT 102 Dental Technology Lab II § 6
DT 142 Denture Techniques II § 2
DT 152 Science of Dental Materials II 3
HE 125 First Aid & Industrial Safety 3

Third Term

DT 103 Dental Technology Lab III § 6
DT 271 Partialis, Immediate, and Overdentures § 2
Any COMM course on General Education list § 4

Fourth Term

DT 204 Dental Technology Lab IV 6
DT 253 Science of Dental Materials III 2
DT 270 Inlay Casting, Crown and Bridge 3
DT 275 Dental Laboratory Management § 2

Fifth Term

DT 205 Dental Technology Lab V 6
DT 254 Science of Dental Materials IV 2
DT 272 Dental Ceramics 3
DT 276 Dental Laboratory Management Lab § 1

Sixth Term

DT 206A Dental Technology Lab VI (Fabrication Ortho Appliances) 3
DT 206B Dental Technology Lab VII (CAD/CAM and Implant Restorations) 3
DT 284 Dental Specialties 2
DT 286 DT Registered Graduate Preparation § 2
DT 287 Introduction to CAD/CAM Technology and Dental Implant System § 2

Total Credits 75

§ Course contains Related Instruction and cannot be substituted with another course; Related Instruction details can be viewed here.

DT 101. Dental Technology Lab I. 6 Credits.
Introduces the use and operation of dental laboratory equipment, the application of safety principles, and the fabrication process of complete removable dentures. Prerequisite/concurrent: DT 120, DT 141, and DT 151. Audit available.

DT 102. Dental Technology Lab II. 6 Credits.
Introduces full denture construction, processing technique, articulation, reline, repair, and rebase. Covers tooth anatomy as it relates to biomechanics. Prerequisites: DT 101. Prerequisite/concurrent: DT 142 and DT 152. Audit available.

DT 103. Dental Technology Lab III. 6 Credits.
Covers fabrication of partial dentures, partial denture frameworks, immediate dentures and overdentures. Prerequisites: DT 102. Prerequisite/concurrent: DT 271. Audit available.

DT 120. Dental Anatomy. 2 Credits.
Studies basic forms, structures and functions of teeth and their surrounding tissues. Audit available.

DT 141. Denture Techniques I. 2 Credits.
History and philosophy of complete removable dentures with an introduction to the construction process. Artificial tooth selection and setting procedures emphasized. Audit available.

DT 142. Denture Techniques II. 2 Credits.
Continues the study of denture construction, including immediate dentures and over-dentures. Includes the use of articulators, finishing procedures, reline, rebase and repair techniques. Prerequisites: DT 141, DT 101, and DT 151. Prerequisite/concurrent: DT 102 and DT 152. Audit available.

DT 151. Science of Dental Materials I. 2 Credits.
Overview of materials used in dentistry such as gypsum products, waxes and impression materials. Audit available.

DT 152. Science of Dental Materials II. 3 Credits.
Introduces chemistry and physics, especially as they relate to dental materials. Measurement techniques and unit conversions are stressed. Audit available.

DT 204. Dental Technology Lab IV. 6 Credits.
Provides an opportunity to develop skills in the processes and procedures associated with dental crown and bridge construction. Includes dental inlays processes and procedures. Audit available.

DT 205. Dental Technology Lab V. 6 Credits.
Covers the uses of porcelain and acrylic in crown and bridge construction with emphasis on color and form reproduction. Audit available.

DT 206A. Dental Technology Lab VI (Fabrication Ortho Appliances). 3 Credits.
Covers fabrication of removable and fixed orthodontic appliances. Prerequisites: DT 204 and DT 205. Prerequisite/concurrent: DT 284. Audit available.

DT 206B. Dental Technology Lab VII (CAD/CAM and Implant Restorations). 3 Credits.
Continues to examine dental materials as related to cast metal alloys and crown and bridge construction. Prerequisite: DT 152 or instructor permission. Audit available.

DT 253. Science of Dental Materials III. 2 Credits.
Continues study of oral health and disease with special emphasis on the etiology, pathology, diagnosis and treatment of periodontal disease. Audit available.
DT 254. Science of Dental Materials IV. 2 Credits.
Covers advanced study of dental materials including ceramics (porcelain) and high fusing metal alloys. Prerequisite: DT 253 or instructor permission. Audit available.

DT 270. Inlay Casting, Crown and Bridge. 3 Credits.
Introduces crown and bridge construction processes and techniques including preparation and waxing of dies, investing, casting, and finishing. Covers principles applied to dental inlays. Corequisite: DT 205. Audit available.

DT 271. Partial, Immediate, and Overdentures. 2 Credits.
Covers the study of philosophy, materials, design, and fabrication processes of removable overdentures and partial and immediate dentures. Prerequisites: DT 102, DT 142. Prerequisite/concurrent: DT 103. Audit available.

DT 272. Dental Ceramics. 3 Credits.
Covers dental ceramics (porcelain), including the philosophy, structure, properties, uses, and laboratory procedures associated with this material. Prerequisite: DT 270 or instructor approval. Corequisites: DT 204. Audit available.

DT 275. Dental Laboratory Management. 2 Credits.
Introduces management skills and responsibilities as well as the problems associated with dental laboratory ownership. Prerequisites: Must be accepted and registered in the Dental Laboratory Technology Program or instructor permission. Audit available.

DT 276. Dental Laboratory Management Lab. 1 Credit.
Computer-based exercises in techniques required for small business management. Audit available.

DT 284. Dental Specialties. 2 Credits.
Introduces dental specialties and advanced techniques that involve participation and skill development of the dental lab technician. Audit available.

DT 286. DT Registered Graduate Preparation. 2 Credits.
Covers workplace preparation including professional ethics, organizations, opportunities, certification requirements and preparation for Registered Graduate (RG) testing through the National Board for Certification in Dental Laboratory Technology (NBC). Prerequisites: DT 270 and DT 272. Prerequisite/concurrent: DT 287.

DT 287. Introduction to CAD/CAM Technology and Dental Implant System. 2 Credits.
Introduces CAD/CAM technology and Dental Implant Systems, and provides an overview of the oral care delivery system. Includes new emerging technology, products and procedures. Prerequisites: DT 270 and DT 272. Prerequisite/concurrent: DT 206A and DT 206B. Audit available.