

REVISED LACC DENTAL TECHNOLOGY PROGRAM CURRICULUM

PREREQUISITE

DENTAL TECH 100 INTRO TO THE DENTAL LABORATORY, 2 U

DENTAL TECH 102 DENTAL ANATOMY AND TERMINOLOGY, 3U

FIRST SEMESTER (SPRING)

DENTAL TECH 101 ELEMENTS OF DENTAL TECHNOLOGY, 2U

DENTAL TECH 103 REMOVABLE PROSTHODONTICS I, 5U

DENTAL TECH 109 FIXED PROSTHODONTICS I, 5U

INTERSESSION (SUMMER)

DENTAL TECH 106 DENTAL MATERIALS, 3.5U

SECOND SEMESTER (FALL)

DENTAL TECH 105 REMOVABLE PROSTHODONTICS II, 5U

DENTAL TECH 108 GNATHOLOGICAL CONCEPT, 3U

DENTAL TECH 111 FIXED PROSTHODONTICS II, 6U

INTERSESSION (WINTER)

DENTAL TECH 204 ORTHODONTICS, 3U

THIRD SEMESTER (SPRING)

DENTAL TECH 112 REMOVABLE PROSTHODONTICS III, 6U

DENTAL TECH 203 CERAMIC RESTORATIONS, 2U

DENTAL TECH 206 FIXED PROSTHODONTICS III, 6U

INTERSESSION (SUMMER)

DENTAL TECH 207 REMOVABLE PROSTHODONTICS IV, 6U

FOURTH SEMESTER (FALL)

DENTAL TECH 208 FIXED PROSTHODONTICS IV, 6U

DENTAL TECH 202 LABORATORY MANAGEMENT, 4U

DENTAL TECH 401 DENTAL IMPLANTS, 4U

TOTAL.....71.5UNITS

*Note: Math 112 Pre-Algebra or higher must be taken before completion of the Dental Technology Program.

COURSE DESCRIPTION

DENTAL TECH 100 INTRO TO THE DENTAL LABORATORY

Students learn an introduction to the modern dental laboratory. Working with gypsum products, as well as model and die production are stressed.

DENTAL TECH 101 ELEMENTS OF DENTAL TECHNOLOGY

Orientation to the field of dental laboratory technology, including ethics, jurisprudence, history, and categories of training and employment.

DENTAL TECH 102 DENTAL ANATOMY AND TERMINOLOGY

The students learn about dental terminology, oral cavity including morphology and function of the primary and secondary human dentition, occlusion concepts and anatomical landmarks. Additionally, the students learn the significance of: skull osteology, myology and tooth supporting structures, histology.

DENTAL TECH 103 REMOVABLE PROSTHODONTICS I

Students learn the art and science of creating natural looking complete dentures by using PTC techniques and methodology. The course includes: dental anatomy, concepts of a natural smile, selecting and setting denture teeth in balanced occlusion, duplication of natural tissue, and processing, finishing and polishing complete dentures according with established clinical standards and an introduction to digital dentistry.

DENTAL TECH 105 REMOVABLE PROSTHODONTICS II

Students learn the design, materials ' science and construction of maxillary complete dentures opposing a mandibular overdenture, relines and repair complete dentures, Immediate Maxillary Denture and Wrought wire Mandibular Stay Plate.

DENTAL TECH 106 DENTAL MATERIALS

Students learn by lecture, demonstration and experiment the physical properties of dental materials including, composition and uses of dental materials.

DENTAL TECH 108 GNATHOLOGICAL CONCEPT

Students learn about gnathological concepts of morphology and functional occlusion. Understanding and reconstructing ideal and functional contacts. Organic waxing of the maxillary and mandibular teeth occlusal surfaces is accomplished on fully adjustable articulators.

DENTAL TECH 109 FIXED PROSTHODONTICS I

The student learns morphological and functional waxing of anterior and posterior single units by analogue and digital applications.

DENTAL TECH 111 FIXED PROSTHODONTICS II

111 Students learn to wax single and multiple units by using PTC techniques and methodology based on student learning outcomes. Learning and understanding concepts such as: tooth contour alignment, functional and morphological occlusion. Students learn fundamental concepts in metal and ceramic substructure designs applied to single units. Students learn techniques in spruing, investing and casting including soldering applications.

DENTAL TECH 112 REMOVABLE PROSTHODONTICS III

112 The student will learn removable partial denture construction, both analog and digital, from start to finish. The course will consist of two sections, framework production and replacement teeth addition to the framework. The first section will consist of the: use of the dental surveyor; design of the partial denture framework; waxing; casting Cobalt-Chromium alloy; finishing and polishing the framework. The second section will consist of replacement tooth set-up; wax-up; processing; equilibration; finish and polish.

DENTAL TECH 202 LABORATORY MANAGEMENT

The students learn to observe and work with a skilled dental technician in a dental office, clinic or dental laboratory. The student applies the knowledge and skills learned in the classroom in a dental office, clinic or dental laboratory. The students learn about production, operation, and management of dental laboratory business including; Human Resource Management. Various types of business financing. Identify various marketing strategies. Business ownership and current professional topics.

DENTAL TECH 203 CERAMIC RESTORATIONS

The student learns about dental ceramic restorations, including: materials properties and manipulation, tooth morphologic design, feldspathic materials sintering, contouring staining, glazing, polishing, as well as science of color and esthetic design.

DENTAL TECH 206 FIXED PROSTHODONTICS III

This is an advanced course in the Fixed Prosthodontics specialty. The students will learn about the science of materials, gnathological concepts, prosthetic framework design techniques, and technologies applied in the restorative prosthodontics procedures in alignment with clinical acceptable standards.

DENTAL TECH 207 REMOVABLE PROSTHODONTICS IV

This is an advanced course in Removable Prosthodontics Specialty in the Dental Technology Program. This course incorporates advanced removable dentures design, materials' science, and manufacturing techniques. .

DENTAL TECH 208 FIXED PROSTHODONTICS IV

This is an advanced course in the Fixed Prosthodontics specialty, level four. This course incorporates advanced Ceramic Restorations analysis, design and manufacturing techniques, including science of materials and their applications. Students will learn the methodology of feldspathic porcelain powders application techniques as it applies to single and multiple units, by incorporating the proper morphologic, functional and optical values. Digital technology is an integral part of the course instructions and applications.

DENTAL TECH 401 DENTAL IMPLANTS

The students will learn about dental implants including: history, surgical overview, types of implants and implant restorations, case planning, Prosthodontic procedures, laboratory procedures, restorative materials, case finalization.