FORM FOR REQUEST FOR CHANGE IN UNDERGRADUATE PROGRAM

Program: Dental Laboratory Technology Program

Formal Option: NA (if applicable) or Specialty Field: NA (if applicable)

Department: Natural Sciences and Health Technologies College: Lexington Community College

Degree title: Associate in Applied Science Bulletin pp.: 226

CIP Code: 51.0603 UK ID No. _____ UK MAJOR CODE: 5204

Accrediting Agency (if applicable): Commission on Dental Accreditation, American Dental Association

MAR 24 2004

I. PROPOSED CHANGE(S) IN PROGRAM REQUIREMENTS

1 Particular University Studies Requirements or Recommendations for this program

	Current	Proposed
English Writing:		
Communication:		
Mathematics:		
Area I (Natural Science)		
Area II (Social Science)		
Area III (Humanities)		
Area IV (Cross-disciplinary component)		
Area V (Non-western cultural component)		

2. College Depth and Breadth of Study Requirements (if applicable) (including particular courses required or recommended for this program) NOTE: To the extent that proposed changes in 2. through 6. involve additional courses offered in another program, please submit correspondence with the program(s) pertaining to the availability of such courses to your students.

Current Proposed

3. Premajor or Preprofessional Course Requirements (if applicable)

Current Proposed

Total Hours: N/A

4. Credit Hours Required

   Current: 65 Proposed: 61

   a. Total Required for Graduation: 61

   b. Required by level:

   100 41 200 20

   300 400-500

   Premajor or Preprofessional (if applicable) N/A

   d. Field of Concentration (if applicable) N/A

   e. Division of Hours Between Major Subject and Related Field (if applicable) N/A

   f. Hours Needed for a Particular Option or Specialization (if applicable) N/A

   g. Technical or Professional Support Electives (if applicable) N/A

   h. Minimum Hours of Free or Supportive Electives [Required] N/A

5. Major or Professional Course Requirements

   Current: Proposed

6. Minor Requirements (if applicable)

   Current: Proposed

Total Hours: 61

7. Rationale for Change(s): (If rationale involves accreditation requirements, please include specific references to those requirements.)

Overall: During the comprehensive self-study that was conducted by the dental lab faculty for the Program's external accreditation, certain topics were identified as being discussed in more than one course and there were changes in the accreditation standards that no longer require certain topics. In addition, two LCC dental lab faculty are curriculum consultants for the American Dental Association and these faculty have had the opportunity to visit other dental lab programs and review their curricula. Some of the changes requested in these documents reflect national trends observed at other institutions.

DN 142: Infection control was moved to DN 112 Dental Materials II where it is a better fit. Some lecture material in DN 141 Dental Occlusion I was repeated in DN 142. Occlusal appliance therapy is no longer required by the ADA to be taught in dental lab programs.

DN 111 and DN 112: Dental Materials I & II were edited to cover material more appropriate for freshman/sophomore level students and to include infection control which is extremely important to the dental laboratory.

DN 101: Lecture material for DN 102 Dental Morphology II was moved to DN 101 Dental Morphology. As lectures in DN 101 previously consisted of the morphological characteristics of each tooth, that will now be taught in the laboratory where a selected tooth will be waxed each week. Laboratory exercises will not change.

This curriculum change will not affect accreditation requirements.

8. List below the typical semester by semester program for a major.

Current

First Year
First Semester:

ENG 101	Writing I	3
DN 101	Dental Morphology I	2
DN 111	Dental Materials I	2
DN 121	Complete Dentures I	2
DN 131	Removable Partial Dentures I	2
DN 141	Occlusion I	2
DN 151	Fixed Prosthodontics I	2
		15

Second Semester:

ENG 102	Writing II	3
DN 102	Dental Morphology II	2
DN 112	Dental Materials II	2
DN 122	Complete Dentures II	2
DN 132	Removable Partial Dentures II	2
DN 142	Occlusion II	2
DN 152	Fixed Prosthodontics II	2
		15

Summer Session:

	Social Interaction	3
	Heritage/Humanities/Foreign Language	3
		6

Second Year
First Semester:

	Mathematics	3
	Oral Communication	3
DN 261	Applied Laboratory Techniques	8
DN 281	Orthodontic Laboratory Techniques	2
		16

Second Semester:

	Science	3
DN 262	Advanced Specialty Laboratory Techniques	8
DN 291	Dental Laboratory Management, History & Ethics	2
		13

TOTAL 65

Proposed

First Year
First Semester:

ENG 101	Writing I	3
	Social Interaction	3
DN 101	Dental Morphology	2
DN 111	Dental Materials I	2
DN 121	Complete Dentures I	2
DN 131	Removable Partial Dentures I	2
DN 151	Fixed Prosthodontics I	2
		16

Second Semester:

ENG 102	Writing II	3
	Heritage/Humanities/Foreign Language	3
DN 112	Dental Materials II	2
DN 122	Complete Dentures II	2
DN 132	Removable Partial Dentures II	2
DN 142	Occlusion	2
DN 152	Fixed Prosthodontics II	2
		16

Second Year
First Semester:

	Oral Communication	3
	Mathematics	3
DN 261	Applied Laboratory Techniques	8
DN 281	Orthodontic Laboratory Techniques	2
		16

Second Semester:

	Science	3
DN 262	Advanced Specialty Laboratory Techniques	8
DN 291	Dental Laboratory Management, History & Ethics	2
		13

TOTAL 61

Will this program be printed in the Bulletin? Yes___X___ No

Signatures of Approval:

Department Chair: Gregory A. Zoll Date: 1-26-04

President
~~Dean~~ of the College: Date: 3-11-04

Date of Notice to the Faculty: _____

Undergraduate Council: _____ Date:

Graduate Council: _____ Date:

Academic Council for the Med. Ctr: _____ Date: _____

Senate Council: _____ Date of Notice to Univ. Senate: _____
(Chair)

ACTION OTHER THAN APPROVAL: _____

Adopted: September, 1989

FORM FOR REQUEST FOR CHANGE IN UNDERGRADUATE PROGRAM
Additional Information on CCS Forms

1. Effective Date:

   Fall 2004

2. Program Competencies:

   Present

   This program prepares individuals to fabricate dental prosthetic appliances that replace or repair natural teeth to help patients eat, chew, talk, and smile as well or better than they did before. Dental technicians work collaboratively with dentists by following a written work authorization that details the type of prosthesis needed. Dental technicians do not have direct contact with the patient but instead use stone models made from impressions of the patient's teeth and surrounding soft tissues.

   The curriculum includes courses in general education and in dental laboratory technology as required by the Commission on Dental Accreditation. Students enrolled in the Dental Laboratory Technology Program must maintain a cumulative GPA of at least 2.0 (on 4.0 scale) for all of the Dental Laboratory Technology courses and a C or better in the Advanced Specialty Lab Techniques course in order to continue with the program. No more than 8 hours of D may be calculated in the required cumulative GPA of 2.0. Upon completion, graduates are eligible to take the National Board for Certification Recognized Graduate Examination.

   The dental laboratory technician has many employment options including commercial dental laboratories, dental offices that have their own laboratories, dental sales and manufacturing firms. Graduates may also choose to own a laboratory, state laws permitting, or seek a teaching position at a dental technology education program.

   Upon completion of the Dental Laboratory Technology Program, the graduate will be able to:

   Communicate effectively
   Students should be able to
   - Write clearly
   - Speak clearly
   - Read with comprehension
   - Listen with comprehension
   - Use symbolic language
   - Work cooperatively with others
   - Use technology to process information

   Think critically
   Students should be able to
   - Demonstrate problem solving skills
   - Analyze creative expressions, resources, and/or data
   - Integrate knowledge
   - Use logical thinking to draw conclusions

   Learn independently
   Students should be able to
   - Find, evaluate, and use resources effectively
   - Apply learning
   - Think creatively
   - Value new ideas and differing perspectives

Examine relationships in diverse and complex environments
Students should be able to
- Define the relationship of self to historical and cultural context
- Define the relationship of self to the biological/physical environment
- Define the relationship of self to the global community
- Use mathematics to analyze physical relationships.

Apply the principles of occlusion, anatomy, and the physiology of mandibular movements to the fabrication of various fixed and removable prostheses
Students should be able to
- Design and fabricate complete dentures
- Design and fabricate removable partial dentures
- Design and fabricate full metal restorations
- Design and fabricate ceramic restorations
- Design and fabricate orthodontic appliances
- Manipulate and describe the properties of dental materials

Manage laboratory facilities
Students should be able to
- Communicate and collaborate with members of the dental health team
- Practice chemical and infection control safety precautions
- Demonstrate proper use and care of dental laboratory equipment
- Recognize the need to update professional skills and knowledge
- Practice dental technology within the legal and ethical boundaries of the profession and local statutes

Proposed:

No change.

3. Curriculum Outline:
   Present

DENTAL LABORATORY TECHNOLOGY

DN 101	Dental Morphology I	2
DN 102	Dental Morphology II	2
DN 111	Dental Materials I	2
DN 112	Dental Materials II	2
DN 121	Complete Dentures I	2
DN 122	Complete Dentures II	2
DN 131	Removable Partial Dentures I	2
DN 132	Removable Partial Dentures II	2
DN 141	Occlusion I	2
DN 142	Occlusion II	2
DN 151	Fixed Prosthodontics I	2
DN 152	Fixed Prosthodontics II	2
DN 261	Applied Laboratory Techniques	8
DN 262	Advanced Specialty Laboratory Techniques	8
DN 281	Orthodontic Laboratory Techniques	2
DN 291	Dental Laboratory Management, History & Ethics	2

*ENG 101	Writing I	3
*ENG 102	Writing II	3
	*Science Course	3
	*Heritage/Humanities Course/Foreign Language	3
	*Mathematics Course	3
	*Oral Communication Course	3
	*Social Interaction Course	3
	Total Credits	65

*General Education Course

Proposed:

DENTAL LABORATORY TECHNOLOGY

DN 101	Dental Morphology	2
DN 111	Dental Materials I	2
DN 112	Dental Materials II	2
DN 121	Complete Dentures I	2
DN 122	Complete Dentures II	2
DN 131	Removable Partial Dentures I	2
DN 132	Removable Partial Dentures II	2
DN 142	Occlusion	2
DN 151	Fixed Prosthodontics I	2
DN 152	Fixed Prosthodontics II	2
DN 261	Applied Laboratory Techniques	8
DN 262	Advanced Specialty Laboratory Techniques	8
DN 281	Orthodontic Laboratory Techniques	2
DN 291	Dental Laboratory Management, History & Ethics	2
*ENG 101	Writing I	3
*ENG 102	Writing II	3
	*Science Course	3
	*Heritage/Humanities Course/Foreign Language	3
	*Mathematics Course	3
	*Oral Communication Course	3
	*Social Interaction Course	3
	Total Credits	61

*General Education Course

4. Summary of How the Proposed Changes Will Result in Changes in the Level or Source of Funding:

There will be no change in funding.