

# LICENSED DENTAL PRACTITIONER PROGRAM AT THE VERMONT TECHNICAL COLLEGE

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**VERMONT TECH**

# **LDP BS**

## **Program is distinctive:**

**Experienced dental hygienists, licensed and practicing in the profession**

**Students have already mastered a wide range of competencies**

**Educated to have sound public health perspective, as well as perform specific oral procedures**

**Dual licensure: Licensed as both a dental practitioner and a dental hygienist**

# COMPETENCIES & DOMAINS

## Program Competency Development (2006-2009):

- ADHA Competencies for the Advanced Dental Hygiene Practitioner ([http://www.adha.org/resources-docs/72612\\_ADHP\\_Competencies.pdf](http://www.adha.org/resources-docs/72612_ADHP_Competencies.pdf))
- ADEA Competencies for the New General Dentist ([http://www.adea.org/about\\_adea/governance/Pages/Competencies-for-the-New-General-Dentist.aspx](http://www.adea.org/about_adea/governance/Pages/Competencies-for-the-New-General-Dentist.aspx))
- CODA Standards for the Dental Education Programs ([http://www.ada.org/sections/educationAndCareers/pdfs/proposed\\_dental\\_therapy.pdf](http://www.ada.org/sections/educationAndCareers/pdfs/proposed_dental_therapy.pdf))

# ADMISSION REQUIREMENTS

- Competitive admissions
- Registered Dental Hygienist
- Clinical practice as a dental hygienist preferred
- GPA in associate degree program considered
- Essay indicating desire to become an LDP with focus on a commitment to increasing access to care
- Program will start with a small number of students and expand as necessary

# **CURRICULUM**

**Degree: Bachelor of Science**

**48 credits**

- Interdisciplinary Courses (required for BS degree at Vermont Tech)
- Dental Practitioner Courses
- Some pre-requisite courses required if not previously completed (Chemistry, Math, Computer Science, Bioethics)

**Length: 12 months**

**Full-time commitment expected**

# **DIDACTIC, LAB AND/OR CLINICAL EXPERIENCES**

<b>Program Totals</b>	<b>Credits</b>	<b>Lecture</b>	<b>Lab</b>	<b>Clinic/ Practicum</b>	<b>Total</b>
<b>Twelve Months</b>	<b>48</b>	<b>510</b>	<b>60</b>	<b>495</b>	<b>1065</b>

# CURRICULUM (DRAFT)

## 48 CREDITS

Semester One (Summer)		Semester Two (Fall)		Semester Three (Spring)	
Course	Credits	Course	Credits	Course	Credits
DHY 3XXX: Dental Practitioner Operative I	4	DHY 3XXX: Dental Practitioner Operative II	5	DHY 4XXX: Dental Practitioner Operative III	5
DHY 3XXX: Health Assessment and Oral Diagnostic Reasoning	3	DHY 3XXX: Pharmacology for Dental Therapists	2	DHY 4XXX: Medical & Dental Emergencies for the Dental Practitioner	2
DHY 3XXX: Dental Materials 1	3	DHY 3XXX: Applied Nutrition & Cariology	3	DHY 4213: Dental Practitioner Practice Management	3
DHY 4010: Advanced Community Oral Health	3	DHY 3XXX Dental Materials II	3	DHY 4115: EBDM in Dental Hygiene for the Dental Practitioner	3
Arts & Humanities/Social Science Elective	3	Arts & Humanities/Social Science Elective	3	AH/SS Elective 3000 level	3

VTC only grants diplomas in May requiring summer start

# VTC ASSOCIATE DEGREE CURRICULUM

FIRST YEAR			
FALL		SPRING	
DHY 1011: Pre-Clinical Dental Hygiene	4	DHY 1012: Clinical DH 1	4
DHY 1021: Oral Tissues 1	3	DHY 1022: Oral Tissues II/Medical Emergencies	3
BIO 2011: A & P I	4	BIO 2012: A & P II	4
BIO 1030: Nutrition	3	PSY 1010: Intro to Psych	3
ENG 1061: English Composition	3		
	<b>17</b>		<b>14</b>

31 credits

SECOND YEAR			
FALL		SPRING	
DHY 2016: Radiology	3	DHY 2722: Clinical DH III	5
DHY 2721: Clinical DH II	5	DHY 2020: Pharmacology/General Path	3
BIO 2121: Microbiology	4	DHY 2211: Dental Materials	3
DHY 2030: Periodontics	3	ENG 2080: Tech Com	3
		MAT 1040: Math for Allied Health	2
	<b>15</b>		<b>16</b>

32 credits

THIRD YEAR			
FALL		SPRING	
DHY 3821: Clinical DH IV (LA incl)	6	DHY 3822: Clinical DH V	6
DHY 3215: Community Oral Health I	2	DHY 3216: Community Oral Health II	1
HUM 2020: Bioethics	3	DHY 3040: Oral Pathology	3
MAT Elective: 1221 or 2021	3	CHEM 1020: Intro to Chemistry	4
CIS 1XXX: Elective	3		
	<b>17</b>		<b>14</b>



# CLINICAL EXPERIENCES

## *Vermont Technical College*

- Dental Hygiene Clinic in Williston

***Would seek additional clinical rotations at dental clinics and local dental offices, such as the Community Health Center of Burlington, Vermont Dental Care & local oral surgery offices***



# PROCEDURES

*There are 34 procedures listed in S. 35 under the proposed scope of practice for an LDP. Of these, 20 are current dental hygiene procedures, 6 are reversible procedures that could be added to current dental hygiene curriculum, and 8 are procedures that would be limited to the LDP scope of practice.*

# **CURRENT RDH PROCEDURES (20)**

**Oral health instruction and disease prevention education, including nutritional counseling and dietary analysis (VT)**

**Periodontal charting, including periodontal screening exam (VT)**

**Exposing radiographs (VT)**

**Dental prophylaxis (VT)**

**Applying topical preventive or prophylactic agents, including fluoride varnishes, antimicrobial agents, and pit and fissure sealants (VT)**

**Pulp vitality testing (VT)**

**Applying desensitizing medication or resin (VT)**

**Fabricating athletic mouthguards (VT)**

**Placement of temporary restorations (VT)**

**Fabricating soft occlusal guards (VT)**

**Interim therapeutic restorations (VT)**

**Changing periodontal dressings (VT)**

**Administering local anesthetic (VT)**

**Administering nitrous oxide (legal in many states. In VT, DH allowed to monitor but not administer)**

**Oral evaluation and assessment of dental disease (VT)**

**Formulating an individualized treatment plan (VT)**

**Placement of temporary crowns (VT)**

**Suture removal (VT)**

**Brush biopsies (VT)**

**Mechanical polishing (VT)**

# **POSSIBLE RDH PROCEDURES (6)**

**Reversible procedures not in dental hygiene scope of practice at this time, but could be added to DH curriculum**

**Tissue conditioning and soft reline (R)**

**Emergency palliative treatment of dental pain – I'm not sure this one should either**

**Placement and removal of space maintainers**

**Restoring (filling) primary and permanent teeth, not including permanent tooth crowns, bridges, or denture fabrication**

**Preparation and placement of preformed crowns**

**Prescribing, dispensing, and administering analgesics, anti-inflammatories, and antibiotics**

# **LDP PROCEDURES (8)**

**Irreversible procedures not  
in scope of practice for  
dental hygienist**

**Tooth reimplantation**

**Extractions of primary teeth**

**Non-surgical extractions of  
periodontally diseased  
permanent teeth**

**Cavity prep (drilling)**

**Pulpotomies on primary teeth**

**Indirect and direct pulp  
capping on primary and  
permanent teeth**

**Repairing defective prosthetic  
devices**

**Recementing permanent  
crowns**

# **PROGRAM COSTS FOR STUDENTS**

## **Current tuition/fees for Vermont Technical College courses:**

- \$601 per credit (Fall 2013) plus fees

Books, lab fees, and equipment are not included in the fee above

- CRDTS examination \$2,500
- Application and site fee

**Total cost of program:  
Approximately \$31,348**

# **ACCREDITATION**

**Commission on Dental Accreditation has proposed Dental Therapy Standards that have been distributed to the appropriate communities of interest for review and comment with a December 1, 2013 due date.**

**The full Commission meets in February so we anticipate a decision after that meeting.**

**The Vermont Technical College program plans to fully comply with the accreditation standards. The VTC Dental Hygiene program has maintained the accreditation status of approval without reporting requirements since it transitioned from UVM to VTC in 2004.**

# **FUTURE STEPS**

**Once the legislation is passed:**

**we will work with the VTC Dental Hygiene Advisory Committee to finalize curriculum.**

**a formal program proposal will be developed to be presented to the Vermont Technical College administration and the Vermont State Colleges Board of Trustees for approval.**

**Preliminary approval has already been provided and the administration is extremely supportive of the new program.**