

# LICENSED DENTAL PRACTITIONER PROGRAM AT THE VERMONT TECHNICAL COLLEGE

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VERMONT TECH

# LICENSED DENTAL PRACTITIONER BACHELOR OF SCIENCE

## **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**

**President Smith believes that this program fits well with the mission of the College to prepare students for immediate success and productivity in the workforce.**

# 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

# 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		
	17		14
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
	15		16
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		
	17		14

# ADT VS. VTC

Metropolitan State University	Vermont Technical College
<p>Associate Degree in Dental Hygiene required from a CODA accredited institution</p>	<p>Associate Degree in Dental Hygiene required from a CODA accredited institution</p>
<p>Bachelor of Science degree in any subject required</p>	<p>Bachelor of Science degree given priority If no Bachelor of Science degree students may need some pre-requisite courses prior to admission (Chemistry, Computer Science, Bioethics, Statistics/Finite Math)</p>
<p>Advanced Dental Therapy Curriculum – 16 months full time Master’s degree</p>	<p>Licensed Dental Practitioner Curriculum – 12 months full time Bachelor’s degree</p>
<p>2000 hours for general supervision</p>	<p>400 hours for general supervision</p>

# DIDACTIC, LAB AND/OR CLINICAL EXPERIENCES

Program Totals of LDP/ADT Only – not inclusive of Dental Hygiene education	Lecture	Lab	Clinic	Total
VTC	375 (does not include 135 hours for general education electives)	315	495	1185
MSU	319	212	787	1319

# CURRICULUM (DRAFT)

## 49 - 52 CREDITS

Semester One (Summer)		Semester Two (Fall)		Semester Three (Spring)	
Course	Credits	Course	Credits	Course	Credits
DHY 3XXX: Dental Practitioner Operative I & Radiography	6	DHY 3XXX: Dental Practitioner Operative II	6	DHY 4XXX: Dental Practitioner Operative III	5
DHY 3XXX: Health Assessment and Oral Diagnostic Reasoning	3	DHY 3XXX Dental Practitioner Lab	3	DHY 4XXX: Medical & Dental Emergencies for the Dental Practitioner	2
				DHY 4XXX: Medical Emergencies Lab	1
DHY 3XXX: Dental Materials I	3	DHY 3XXX: Applied Nutrition & Cariology	3	DHY 4213: Dental Practitioner Practice Management	3
Arts & Humanities/Social Science Elective	3	DHY 3010: Evidence Based Decision Making for the Dental Practitioner	3	DHY 4XXX: Pharmacology for the Dental Practitioner	2
Arts & Humanities/Social Science Elective	3	Arts & Humanities/Social Science Elective 3000 level	3	DHY 4010: Advanced Community Oral Health	3

# 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. 20 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 9 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)**

**All are under general supervision except for the administration of local anesthetics and monitoring nitrous oxide.**

# POSSIBLE RDH PROCEDURES (6)

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

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

**Emergency palliative treatment of dental pain**

**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 analgesics and anti-inflammatories**

# LDP PROCEDURES (9)

**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 preparation (drilling)**

**Pulpotomies on primary teeth**

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

**Repairing defective prosthetic devices**

**Recementing permanent crowns**

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

# ACCREDITATION

**Commission on Dental Accreditation has released Dental Therapy Standards; however, they do not plan to implement until:**

- **programs have been in operation for a sufficient period of time to establish benchmarks and adequately measure performance and**
- **There is evidence of need and support from the public and professional communities to sustain educational programs in the discipline**

**The Vermont Technical College program plans to fully comply with the accreditation standards when they are implemented.**

**The VTC Dental Hygiene program has maintained the accreditation status of approval without reporting requirements since it transitioned from UVM to VTC in 2004.**