



# Dental Hygiene

## Program Application Packet

for

## OIT Dental Hygiene Programs

in

Klamath Falls  
Salem  
La Grande

Dental Hygiene Department  
SE 212  
Oregon Institute of Technology  
3201 Campus Drive  
Klamath Falls, Oregon  
97601-8801

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**Application Deadline**  
**April 15, 2012**

## Dental Hygiene Degrees at OIT

Oregon Institute of Technology offers two pathways in three locations toward a degree in dental hygiene. All programs require one year of pre-requisite courses. These pre-requisite courses are the same for each program. Enrollment into the sophomore year of each program is limited and based upon the selection process outlined in this application packet. In each program you will be involved in different outreach projects and clinical rotations to provide education, screenings, and preventive oral care to the community.



### **Bachelor of Science Degree**

A bachelor of science degree is offered on the OIT campus in Klamath Falls. Students admitted to the program begin in the fall of the sophomore year and graduate at the end of winter term in the senior year. The Dental Hygiene Program at Klamath Falls has a strong history of service learning. You will learn many of your dental hygiene skills in the campus-based clinic seeing actual patients and using some of the latest technology in dentistry. You will also have the opportunity to participate in an optional two-week international experience providing dental care outside the U.S.



### **Bachelor of Science Degree**

A bachelor of science degree will be offered on the Chemeketa Community College campus in Salem beginning fall 2011. Students admitted to the program begin in the fall of the sophomore year and graduate at the end of winter term in the senior year. You will learn many of your dental hygiene skills in the dental hygiene clinic within the brand new Health Sciences Building.



### **Associate of Applied Science Degree**

Through a unique partnership with Eastern Oregon University and ODS Companies, OIT offers an 18-month associate degree program in La Grande, Oregon. An opportunity to complete OIT's Dental Hygiene Bachelor Degree completion online program is offered upon graduation from the associate degree program.

For further information about these programs, please go to:  
<http://www.oit.edu/programs/klamath-falls/dental-hygiene/overview>

## Applying to the OIT Dental Hygiene Programs

You may apply to any or all of the dental hygiene programs with one application. Pre-requisite (pre-dental hygiene) courses are the same for all programs. Application to the dental hygiene program is a two-step process. *Be sure to follow the instructions below.*

### Minimum Eligibility

To be considered for selection into any of the professional programs in dental hygiene, you must apply for admission. To be eligible for admission you must meet the following qualifications:

1. You must successfully complete all pre-dental hygiene courses or demonstrate that **all courses will be completed by the end of summer term.** *Please note that you must have completed or be enrolled in the course, **Introduction to Dental Hygiene**, at the time of your application to the dental hygiene program.* This course may be taken on the OIT campus or online. If you are taking your pre-requisite courses at another school you should take the online course. It is offered every term. Information about registration can be found at <http://www.oit.edu/distance-education/courses/dhe-100-introduction-to-dental-hygiene>.
2. You must have a **minimum cumulative GPA of 2.50.**

### Admission Process

#### **Step One – Apply for admission to OIT**

You must first apply for admission to OIT in order to be considered for admission into the dental hygiene program. You may apply online at <http://www.oit.edu/prospective-students/admissions>. Please note that **full admission** status is required for entry into the program.

*Submit a \$50 non-refundable application fee.* Checks and money orders should be made payable to OIT. To pay the fee by credit card, contact the OIT Cashier's Office at (541) 885-1204.

#### ***College Transcripts***

All applicants must forward **official transcripts**, from the Registrar of each college or university attended, **directly to the Office of Admissions.**

*Your program application will not be considered if you do not have an OIT admissions application on file in the OIT Admissions Office.* It is recommended that you apply for admission to OIT no later than February 1, 2012. This deadline allows you to be eligible for scholarships.

Please note that admission to OIT does **not** mean that you are admitted to the dental hygiene program.

**Mail your OIT Application to:**  
Office of Admissions  
Oregon Institute of Technology  
3201 Campus Drive  
Klamath Falls, Oregon 97601-8801

## **Step Two – Apply for admission to the Dental Hygiene Program**

Submit a complete application directly to the Dental Hygiene Department in Klamath Falls. Be sure that you read and follow the directions carefully and that you submit all required components by the application deadline.

### **Application Deadline**

The application deadline for entry into the professional program that begins September 2012 is **April 15, 2012**. Please allow ample time for your application to reach the department via postal mail. *Late or faxed applications will not be accepted.*

### **Dental Hygiene Application**

The following items **must** be included in your *Dental Hygiene Application* package and **must be received by the Dental Hygiene Department by April 15th**:

1. *Applicant Information Page* (p. 6)
2. *Course Information Page* (p. 7)
3. *Personal Essay Questions* (p. 8)
4. *Applicant Understanding Form* (p. 14)

5. *Application Evaluation Fee*

A \$75 non-refundable fee in the form of a check made payable to “OIT Dental Hygiene Department” must accompany the application.

**Important:** Please send **only** the information listed in items 1-5. Any additional information, such as personal references, photos, resumes, certificates, etc., **WILL NOT** be considered and will be discarded.

### **Mail your Dental Hygiene application to:**

Dental Hygiene Department  
Oregon Institute of Technology  
3201 Campus Drive  
Klamath Falls, OR 97601-8801

### **Dental Hygiene Application Status**

Once your application is received, you will be informed of your status via email.

## Admissions Criteria

The following criteria are considered and awarded points when determining admission to the professional program:

- Cumulative GPA
- Math/Science GPA
- Personal Essay score
- Interview score\*
- OIT, Chemeketa, or Eastern Oregon University student

### Transcript Review

Additional criteria that may be considered include:

- Completion of courses beyond the pre-requisites
- Previous alternate status
- The number of pre-requisite courses completed at time of application
- Course repeats
- Course history

For each program, candidates are placed in rank order and selected according to their rank. A few positions *may be* selected through lottery.

### Final acceptance of all students is contingent upon the following:

1. Successful completion of any pre-requisite courses in progress at the time of application by the end of summer term.
2. Completed background check and drug test. Instructions for obtaining this will be provided to you in the student welcome packet.

**Please note:** OIT reserves the right to modify the criteria and process for admission to the Dental Hygiene Program on an annual basis.

**\*Interviews** are held in mid-May. Please watch the dental hygiene web page for interview dates so that you may plan accordingly. You will be contacted by email regarding your exact interview date, time and location after the application deadline.



## Course Information

List your pre-requisite course information below as it appears on your transcript. **Transfer students** *must* include all information. Courses *must* be equivalent in content and credits to be accepted. Refer to the enclosed list of course descriptions to help determine transferability, or see the transfer guide at <http://www.oit.edu/programs/klamath-falls/dental-hygiene/overview>. Please note that 1 semester credit is equal to 1.5 quarter credit hours. **OIT students** *must* indicate Grade and Term/Year *only* for those courses completed at OIT. **All applicants** should indicate In Progress (IP) in the grade column for courses currently enrolled in. For courses not yet completed or in progress, indicate the Term/Year you plan to enroll.

### Pre-requisite Courses

OIT Courses			Transfer Courses						
COURSE	TITLE	CR	COURSE	TITLE	COLLEGE or UNIVERSITY WHERE TAKEN	SEM/ QTR HRS	CR	GRADE	TERM/ YEAR OR IP
BIO 231	Human Anatomy and Physiology I	4							
BIO 232	Human Anatomy and Physiology II	4							
BIO 233	Human Anatomy and Physiology III	4							
BIO 105	Microbiology	4							
BIO 205	Nutrition	3							
BIO 200	Medical Terminology	2							
CHE 101/104	Elementary Chemistry w/Lab	4							
CHE 102/105	Elementary Chemistry w/Lab	4							
CHE 103/106	Elementary Chemistry w/Lab	4							
MATH 111	College Algebra	4							
SOC 204	Introduction to Sociology	3							
SPE 111	Fundamentals of Speech	3							
WRI 121	English Composition	3							
WRI 122	English Composition	3							
*DH 100	Introduction to Dental Hygiene	2							
* DHE 100 (Intro to Dental Hygiene) substitutes for DH 100; it is available online from the OIT Distance Ed Department.									

## Personal Essay

Please respond to the five questions below and *limit your answers to 100 words per question*.

1. What do you believe is the most important service a dental hygienist provides?
2. Tell us about a situation in which you had to adjust to changes over which you had no control. How did you handle it?
3. What, in your opinion, are the key ingredients in maintaining successful relationships?
4. If you had to re-do one situation in your life, what would it be and why?
5. If you are not accepted into the program, what are your plans?



## ESSENTIAL FUNCTIONS

In order to be admitted to or continue in the Dental Hygiene Program, a student must possess skills and abilities essential to perform as a dental hygienist. Students are required to perform dental hygiene services for patients in the clinical setting. The department has the responsibility of ensuring the safety of the patients, including completion of treatment within an acceptable amount of time. With these considerations, a dental hygiene student/candidate must be able to meet the following essential functions:

### **Physical Skills**

Sit or stand; bend and reach while performing clinical procedures. Function in a structured environment for several hours. Demonstrate hand/eye coordination, manual dexterity and tactile sensitivity necessary to manipulate a variety of instruments, materials and equipment. Perform cardiopulmonary resuscitation and assist in emergency situations.

### **Sensory Skills**

Read charts, records, small print, typed and handwritten notes. See with measurable depth perception and in low-light conditions. Distinguish color variations and discern shades of black and white. Hear and understand verbal directions. Discern sounds related to patient assessment and treatment. Distinguish smells of various drugs, solutions and materials used in health care settings. Feel subtle differences in surface textures. Recognize changes in patient status.

### **Cognitive Skills**

Comprehend, analyze and synthesize complex science and clinical findings. Apply prior learning to new situations. Concentrate on task at hand amidst a variety of environmental distractions. Interpret patient findings, recognize anomalies and make decisions which affect patient care. Use personal computers to complete assignments.

### **Communication Skills**

Speak and write clearly. Provide patients with clear instructions appropriate for their level of understanding. Write clear and legible chart notes. Organize thoughts and ideas into written essays and research papers.

### **Interpersonal Skills**

Interact with individuals, small groups, and large audiences. Establish sufficient rapport and maintain appropriate boundaries in order to effectively relate to patients, colleagues, faculty and staff. Demonstrate concern and empathy for a diverse variety of patients. Address problems or questions to the appropriate person at the appropriate time.

### **Professional Skills**

Present a professional appearance and maintain personal health. Maintain composure during stressful situations. Work both independently and as a team member. Organize tasks, set priorities and manage projects. Maintain accuracy and confidentiality of patient records. Comply with established policies, procedures, infection control standards, OIT student conduct code, ADHA code of ethics and the class code of conduct. Provide care to all patients regardless of age, race, ethnic origin, physical or mental status or other condition.

## PROVISION AND RECEIPT OF DENTAL HYGIENE SERVICES

During the course of the dental hygiene curriculum, you may be required to serve as a patient for a fellow student (or faculty member). The primary purpose for the delivery of diagnostic, non-therapeutic, or therapeutic services to students by student colleagues (or faculty) is to provide initial clinical encounters that support the clinician's early skill development.

Procedures dental hygiene students may be required to receive include, but are not limited to, examination of the head, neck, and oral cavity; comprehensive periodontal examination; occlusal evaluation; radiographic examination; and caries risk assessment. Therapeutic services may include periodontal debridement; sealants; fluoride therapy; amalgam polishing; and overhang removal. Non-therapeutic services include vital tooth bleaching, administration of local anesthetic, and nitrous oxide sedation.

In order for services to be provided to you in a safe manner, it is necessary that you complete a current health history. Health history information is to be used for treatment delivery only. Access to student treatment records for purposes other than health care delivery is unauthorized.

A description of services as well as the risks and benefits are included in this packet. There may be further risk, given the clinician is a student learning to provide the service.

Please read the description of each service and the benefits and risks associated with each. If you agree to consent to these services (mandatory treatment requirements), sign the informed consent and return it with your dental hygiene application.

## DESCRIPTION, BENEFITS, AND RISKS OF DIAGNOSTIC, THERAPEUTIC, AND NON-THERAPEUTIC SERVICES

**DENTAL RADIOGRAPHS** are negatives of dental structures, similar to photograph negatives, produced by x-rays. Used as a diagnostic tool, they allow the dental professional to detect disease and/or abnormalities such as cavities, cysts, abscesses, or un-erupted teeth which otherwise would not be discovered. Radiographs are taken by placing a small film in the mouth, directing the x-ray tube toward the film and teeth, and making the exposure. Radiographs may also be taken with film placed outside the mouth.

### **Possible Risks:**

- X-rays create changes in cells. The cells most sensitive to x-rays are red blood cells, white blood cells, and immature reproductive cells.
- Cell repair occurs following exposure to radiation and the majority of damage is repaired.
- Damage to tissue functions is considered negligible at low doses, i.e., dental exposures.
- Everything possible is done to keep the amount of radiation as low as reasonably achievable (ALARA). Safety procedures include (1) use of high speed film, (2) correct film processing, (3) collimators, (4) long open-ended lead-lined "cones," (5) aluminum filtration, (6) accurate exposure timers, (7) modern x-ray units, (8) film holding devices, (9) thyroid collars, and (10) lead torso aprons.

**FLUORIDE** provides the most effective method for dental caries prevention and control. Fluoride can be delivered to the tooth both systemically (by entry into the blood supply of the developing tooth) and topically (by direct contact of exposed tooth surfaces).

**SYSTEMIC FLUORIDE** is ingested typically via the community water supply or by dietary supplements. These methods have been shown to decrease caries by 50 to 60%.

**TOPICAL FLUORIDE** is applied directly to the surfaces of the teeth by means of fluoride rinses, toothpastes, gels, or professionally applied fluoride. Many research studies show that application of topical fluoride may reduce caries by 30%.

**Possible Risks:**

- Adverse effects including staining, etching, or dulling of porcelain or composite resin.
- Acute fluoride toxicity. The signs of acute fluoride toxicity are nausea, vomiting, hypersalivation, abdominal pain, and diarrhea.
- Chronic fluoride toxicity can cause dental fluorosis, skeletal fluorosis, kidney damage.

**SEALANTS** are a clear acrylic material placed in the deep grooves of the biting surfaces of permanent teeth where no cavities are present. It acts as a physical barrier to prevent bacteria from collecting in the grooves and creating the acid environment essential to the formation of cavities.

**Possible Risks:**

- Excess sealant material in the deep grooves of the biting surface may cause teeth to come together prematurely. If this occurs, it will usually resolve itself through normal wear. However, if it does not resolve, it may lead to temporomandibular joint pain.
- If sensitivity develops, it may require another appointment to have the sealant reshaped.
- Some patients may be sensitive/allergic to the acrylic material.
- Sealants must be checked for retention at least every six months.

**AMALGAM POLISHING** places a high shine or luster on the surface of a restoration. The procedure uses pumice that is available in a variety of particle sizes. Polishing can also be achieved with abrasive impregnated cups and points. The abrasiveness is used in descending order to achieve the shiny, smooth surface. Amalgam polishing increases resistance to corrosion and tarnish. This provides opportunity for the restoration to remain effective for a longer period of time.

**Possible Risks:**

- Excessive heat from pressure and speed exerted by rotary instruments can be harmful to amalgam. Heat production can be minimized by using moderate speed, intermittent moderate pressure, and wet abrasive agents.

**MARGINATION** involves the removal of excess restorative material in order to more nearly match the natural contours of the tooth. The excess material is removed and the area smoothed and polished. The area will be easier to maintain so fewer bacteria should accumulate in that area. This should result in less inflammation in the area and should help prevent more serious gum problems. Because many factors influence the development and progression of gum disease, there can be no absolute guarantee of future gum health.

**Possible Risks:**

- Sensitivity to hot, cold, sweets, and acidic foods. This is usually temporary.
- Tissue trauma leading to temporary bleeding and inflammation.

**ROUTINE DEBRIDEMENT** provides the opportunity to promote a healthy oral environment. Hard and soft deposits surrounding tooth surfaces are removed allowing the gingiva to adhere to the tooth.

**Possible Risks:**

- Sensitivity to hot, cold, sweets, and acidic foods. This is usually temporary.
- Tissue trauma leading to temporary bleeding and inflammation.
- If treatment is not administered you may develop bleeding when brushing and flossing, gum inflammation and sensitivity, bad breath, periodontal disease.
- Halitosis.

**THERAPEUTIC DEBRIDEMENT** involves the removal of hard deposits, soft deposits, and infectious fluids surrounding the root surfaces of the teeth. Local anesthesia may be used to prevent any discomfort during the process.

**Possible Risks:**

- Sensitivity to hot, cold, sweets, and acid foods. This is usually temporary and gradually improves over a period of days or weeks.
- An abscess may form in any area of infection. This is very rare.
- If treatment is not administered it may lead to advanced periodontal disease and tooth loss.

**LOCAL ANESTHESIA** numbs or causes temporary loss of sensation in the affected area. Local anesthetic is administered by injection. The administration of local anesthesia will reduce or eliminate possible discomfort or bleeding during treatment.

**Possible Risks:**

- Allergic reaction.
- Hematoma (bruising)--slight needle puncture of a blood vessel during an injection.
- Persistent anesthesia--a feeling of numbness for many hours or days following anesthetic injection.
- Trismus--muscle soreness and limited, difficult opening of the mouth.
- A needle could break off in the tissue.
- Drug interactions: Example--recent cocaine usage with some types of anesthesia can raise blood pressure dramatically, can be damaging to the heart, and can be fatal.

**NITROUS OXIDE AND OXYGEN SEDATION** is a conscious inhalation sedation method that is used in about 45% of the dental offices and clinics in the United States today. For most people nitrous oxide sedation produces a relaxed and comforting feeling.

**Possible Risks:**

If you have any of the following conditions you should not receive nitrous oxide.

- Recent myocardial infarction.
- Emphysema.
- Chronic bronchitis.
- Middle ear problem.
- Pregnancy.
- Nasal obstruction resulting from an upper respiratory infection or cold.
- Recovering from a chemical dependency.

**RUBBER DAM PLACEMENT** prevents the swallowing or inhaling of dental materials used for prevention and restoration and provides a dry field.

**Possible Risks:**

- Allergic reaction.
- Discomfort.
- Tissue trauma.

## **Program Policies**

### **Immunizations**

If accepted into the program, you will need to receive the following tests or vaccinations or provide proof of immunity (titer test result) when you begin school in the fall.

#### **Tuberculosis**

A baseline tuberculosis skin test(s) is required. Students taking the tuberculosis skin test for the first time will need to have two tests completed. Students who have tested positive for tuberculosis in the past must schedule a consultation with the dental hygiene department OSHA coordinator. Following the baseline test(s), subsequent tests will only be required if a student becomes symptomatic for the disease.

#### **Varicella (Chickenpox)**

Students must obtain a varicella titer demonstrating immunity.

#### **Hepatitis B**

Students must also begin the Hepatitis B vaccine series followed by a titer to test for Hepatitis B antibodies. The Hepatitis B series should be completed before beginning to treat patients in the spring term.

#### **Mumps, measles, rubella (MMR)**

You should be immune to measles, mumps and rubella.

#### **Recommended immunizations:**

- 1) influenza
- 2) meningitis

Please refer to the entire Bloodborne Pathogens policy that is posted on the dental hygiene web page.

### **Criminal Background Check**

Upon acceptance to the program you will be provided with information so that you may complete a criminal background check. This must be completed prior to beginning classes in the fall term. Students with reported offenses on their background check will be asked to contact the Oregon Board of Dentistry to determine if dental hygiene licensure is possible.

### **Drug Testing**

Students will be required to submit to a nine-panel drug screen urinalysis prior to entry into the fall term. This is for the safety of all patients and clinic partners during provision of clinical services.

### **Program Orientation**

All students are required to attend the dental hygiene program orientation that is held during the week and/or weekend prior to the first day of class fall term.

## APPLICANT UNDERSTANDING

### Consent to Mandatory Treatment Requirements

I have read the description for each diagnostic, therapeutic, and non-therapeutic service. I understand the purpose of my receiving such care is primarily to provide clinical encounters necessary for skill development of the clinician and secondarily to provide an educational benefit to the student-patient.

I further understand the inherent risks and benefits of each procedure.

I also understand it will be necessary for me to provide a current health history to the student and faculty directly involved in the provision of these services. The decision to provide services will be based upon my health history information and will be kept confidential.

- I understand all of the above and agree to the mandatory treatment requirements.

### Essential Functions

In order to be admitted to or continue in the Dental Hygiene Program, a student must possess skills and abilities essential to perform as a dental hygienist. These essential functions are outlined in the program application packet.

- I have read and understand the statement of Essential Functions. By signing this form, I am stating that I believe I have the ability to perform the skills and have the abilities essential to perform as a dental hygienist.

### Pre-requisite Course Completion

- I have read and understand that if accepted into the Dental Hygiene Program, my final admission is contingent upon completing any remaining pre-requisite courses by the end of summer term with a grade of "C" or better.

### Background Check and Drug Urinalysis

- I understand that if accepted into the Dental Hygiene Program, I will be required to submit to a background check and drug urinalysis test.

### Dental Hygiene Program Orientation

- I understand that if accepted into the Dental Hygiene Program, I will be required to attend the program orientation which takes place during the week and/or weekend prior to the first day of class in fall term. I will be notified of the exact program orientation dates during summer term.

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Name (print or type)

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Signature

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Date

## BACHELOR OF SCIENCE IN DENTAL HYGIENE CURRICULUM

### BACHELOR DEGREE

#### Freshman Year/Pre-dental Hygiene

#### Term Hours

			F	W	S
BIO	231	Human Anatomy & Physiology.....	4		
CHE	101	Elementary Chemistry.....	3		
CHE	104	Elementary Chemistry Lab.....	1		
MATH	111	College Algebra .....	4		
DH	100	Introduction to Dental Hygiene .....	2		
BIO	200	Medical Terminology.....	2		
BIO	232	Human Anatomy & Physiology.....		4	
CHE	102	Elementary Chemistry.....		3	
CHE	105	Elementary Chemistry Lab I.....		1	
BIO	105	Microbiology.....		4	
WRI	121	English Composition.....		3	
SOC	204	Sociology.....		3	
BIO	233	Human Anatomy & Physiology.....			4
CHE	103	Elementary Chemistry.....			3
CHE	106	Elementary Chemistry Lab.....			1
SPE	111	Speech.....			3
WRI	122	English Composition.....			3
BIO	205	Nutrition.....			3
			16	18	17

### PROFESSIONAL COURSES

#### Sophomore Year

#### Term Hours

			F	W	S
DH	221	Dental Hygiene Clinical Practice & Seminar I.....	4		
DH	226	Head & Neck Anatomy .....	2		
DH	240	Prevention I.....	3		
DH	275	Ethics .....	1		
SPE	321	Small Group and Team Communication.....	3		
CHE	210	Clinical Pharmacology.....	3		
DH	222	Dental Hygiene Clinical Practice & Seminar II.....		4	
DH	237	Oral Histology & Embryology.....		2	
DH	244	General & Oral Pathology.....		3	
DH	241	Prevention II.....		3	
DH	252	Oral Radiology I.....		3	
DH	366	Dental Anatomy.....		2	
DH	223	Dental Hygiene Clinical Practice & Seminar III.....			3
DH	254	Introduction to Periodontology.....			1
DH	267	Emergency Procedures.....			3
DH	242	Prevention III.....			3
DH	253	Oral Radiology II.....			2
DH	380	Community Dental Health I.....			2
PSY	312	Psychology Elective.....			3
			16	17	17

**PROFESSIONAL COURSES**

**Junior Year**

**Term Hours**

			<b>F</b>	<b>W</b>	<b>S</b>
DH	321	Dental Hygiene Clinical Practice & Seminar IV.....	4		
DH	354	Periodontology.....	3		
DH	340	Prevention IV.....	3		
DH	381	Community Dental Health II.....	2		
PSY		Psychology Elective.....	3		
AHED	450	Instructional Methods.....	3		
DH	322	Dental Hygiene Clinical Practice & Seminar V.....		3	
DH	341	Prevention V.....		3	
DH	382	Community Dental Health III.....		2	
DH	351	Pain Management I.....		2	
HUM		Humanities Elective.....		3	
WRI	227	Technical Report Writing.....		3	
DH	323	Dental Hygiene Clinical Practice & Seminar VI.....			5
DH	344	Advanced General and Oral Pathology.....			3
DH	383	Community Dental Health VI.....			1
DH	352	Pain Management II.....			3
DH	363	Dental Materials I.....			3
DH	370	International Externship (optional).....			1
			18	16	15/16

**PROFESSIONAL COURSES**

**Senior Year**

**Term Hours**

			<b>SU</b>	<b>F</b>	<b>W</b>
DH	421	Dental Hygiene Clinical Practice & Seminar VII.....	4		
DH	461	Restorative Dentistry I.....	2		
DH	475	Dental Hygiene Research Methods I.....	2		
MATH	243	Introductory Statistics.....	4		
BUS	331	Personal Finance.....	3		
DH	371	International Externship (optional).....	1		
DH	422	Dental Hygiene Clinical Practice & Seminar VII.....		5	
DH	476	Dental Hygiene Research Methods II.....		2	
DH	462	Restorative Dentistry II (optional).....		2	
DH	430	Board Review (optional).....		2	
BUS	317	Healthcare Management.....		3	
HUM		Humanities Elective.....		3	
COM		Communication Elective.....		3	
DH	372	International Externship (optional).....		1	
DH	423	Dental Hygiene Clinical Practice & Seminar IX.....			5
DH	477	Dental Hygiene Research Methods III.....			2
DH	454	Practice Management.....			3
DH	463	Restorative Dentistry III (optional).....			2
HUM		Humanities Elective.....			3
PSY		Psychology Elective.....			3
			15/16	16/21	16/18



**ASSOCIATE OF APPLIED SCIENCE IN DENTAL HYGIENE  
CURRICULUM (La Grande campus)**

**ASSOCIATE DEGREE**

**Freshman Year/Pre-dental Hygiene**

**Term Hours**

			<b>F</b>	<b>W</b>	<b>S</b>
BIO	231	Human Anatomy & Physiology.....	4		
CHE	101	Elementary Chemistry.....	3		
CHE	104	Elementary Chemistry Lab.....	1		
MATH	111	College Algebra OR Math 105 College Mathematics.....	4		
DHE	100	Introduction to Dental Hygiene I.....	2		
WRI	121	English Composition.....	3		
BIO	232	Human Anatomy & Physiology.....		4	
CHE	102	Elementary Chemistry.....		3	
CHE	105	Elementary Chemistry Lab I.....		1	
BIO	105	Microbiology.....		4	
SPE	111	Speech.....		3	
WRI	122	English Composition.....		3	
BIO	233	Human Anatomy & Physiology.....			4
CHE	103	Elementary Chemistry.....			3
CHE	106	Elementary Chemistry Lab.....			1
BIO	205	Nutrition.....			3
WRI	227	Technical Report Writing or WRI 123 or WR 320.....			3
SOC	204	Introduction to Sociology.....			3
			17	18	17

**PROFESSIONAL COURSES**

**Sophomore Year**

**Term Hours**

			<b>F</b>	<b>W</b>	<b>S</b>
DHE	211	Principles of Dental Hygiene I.....	4		
DHE	221	Dental Hygiene Clinical Practice I.....	2		
DHE	205	Oral & Dental Anatomy.....	3		
DHE	252	Oral Radiology I.....	3		
SPE	321	Small Group & Team Communication.....	3		
CHE	210	Clinical Pharmacology.....	3		
DHE	212	Principles of Dental Hygiene II.....		3	
DHE	222	Dental Hygiene Clinical Practice II.....		4	
DHE	227	General Pathology.....		3	
DHE	253	Oral Radiology II.....		2	
DHE	282	Medical/Dental Emergencies.....		3	
DHE	275	Dental Ethics.....		2	
DHE	213	Principles of Dental Hygiene III.....			3
DHE	223	Dental Hygiene Clinical Practice III.....			3
DHE	233	Periodontology.....			3
DHE	261	Dental Health Education.....			3
DHE	273	Oral Pathology.....			4
			18	17	16

**PROFESSIONAL COURSES**

**Junior Year**

**Term Hours**

			<b>SU</b>	<b>F</b>	<b>W</b>
DHE	311	Principles of Dental Hygiene IV.....	3		
DHE	321	Dental Hygiene Clinical Practice IV.....	4		
DHE	333	Periodontal Therapy.....	3		
DHE	351	Dental Analgesia.....	3		
DHE	380	Oral Health Planning & Care I.....	3		
DHE	312	Principles of Dental Hygiene V.....		3	
DHE	322	Dental Hygiene Clinical Practice IV .....		4	
DHE	320	Dental Materials & Chairside Assisting.....		3	
DHE	381	Oral Health Planning & Care II.....		4	
PSY	----	Psychology Elective.....		3	
DHE	313	Principles of Dental Hygiene VI.....			4
DHE	323	Dental Hygiene Clinical Practice VI.....			5
PSY	----	Psychology Elective.....			3
HUM	----	Humanities Elective.....			3
			16	17	15

**BACHELOR OF SCIENCE IN DENTAL HYGIENE  
BS Degree Completion Outreach Program**

Following completion of the AAS degree from an accredited dental hygiene program, students may continue with their studies in the OIT Bachelor degree completion program. The degree may be completed online through OIT’s web-based distance-learning program.

## COURSE DESCRIPTIONS 2011-2012 CATALOG

### FRESHMAN (PRE-DENTAL HYGIENE) YEAR

#### **BIO 105 Microbiology (4 credits)**

Classification, morphology, reproduction, transmission, and control of micro-organisms causing disease in man. Laboratory practice in culturing methods, microscopic observation, and physical and chemical control.

#### **BIO 200 Medical Terminology (2 credits)**

Basic structure of medical works including prefixes, suffixes, roots, and combining forms. Correct spelling, punctuation and meaning of terms are stressed.

#### **BIO 205 Nutrition (3 credits)**

A study of the relationships of food and nutrition to health. An overview of the basic nutrition principles including the nutrients and how they function in the body, nutrient requirements, diet planning and energy balance. Current topics and controversies are examined. Pre- or co-requisite: CHE 103 or BIO 213 or instructor consent

#### **BIO 231 Human Anatomy and Physiology I (4 credits)**

Introduction to the systematic study of human anatomy and physiology. Introduction to cytology and histology followed by the integumentary, skeletal, muscular, and endocrine systems and the physiology of excitable tissues. The laboratory sessions emphasize human anatomy using human models and cadavers.

#### **BIO 232 Human Anatomy and Physiology II (4 credits)**

A continuation of the systematic study of human anatomy and physiology. The nervous, endocrine, cardiovascular, immune, and respiratory systems are studied. The laboratory sessions emphasize human anatomy using models and human cadavers. Dissections and physiological experiments are conducted.

Pre-requisite: BIO 231 with grade "C" or better

#### **BIO 233 Human Anatomy and Physiology III (4 credits)**

Conclusion of the sequence in human anatomy and physiology. Digestive, renal, and reproductive systems are examined. Metabolism, human genetics and development are also studied. Laboratory sessions emphasize physiological experiments and human anatomy using models and human cadavers.

Pre-requisite: BIO 232 with grade "C" or better

#### **CHE 101 Elementary Chemistry (3 credits)**

A brief presentation of introductory chemical concepts including atomic structure, the chemical equations, the behavior of gases, the chemistry of solution, and acid-base chemistry. For students with good knowledge of algebra.

Pre- or co-requisite: MATH 100

Co-requisite: CHE 104 (lab)

#### **CHE 102 Elementary Chemistry (3 credits)**

A brief presentation of some major chemistry areas with emphasis on organic chemistry in the second term and biochemistry in the third term. For students with good working knowledge of introductory algebra.

Pre-requisite: CHE 101 or instructor consent

Co-requisite: CHE 105 (lab)

#### **CHE 103 Elementary Chemistry (3 credits)**

A brief presentation of some major chemistry areas with emphasis on organic chemistry in the second term and biochemistry in the third term. For students with good working knowledge of introductory algebra.

Pre-requisite: CHE 102 or instructor consent

Co-requisite: CHE 106 (lab)

**CHE 104 Elementary Chemistry Lab** (1 credit)

Lab accompanying class content in CHE 101.

Co-requisite: CHE 101

**CHE 105 Elementary Chemistry Lab** (1 credit)

Lab accompanying class content in CHE 102.

Co-requisite: CHE 102

**CHE 106 Elementary Chemistry Lab** (1 credit)

Lab accompanying class content in CHE 103.

Co-requisite: CHE 103

**MATH 111 College Algebra** (4 credits)

Study of functions including graphs, operations and inverses. Includes polynomial, rational, exponential, logarithmic functions and their applications, and systems of equations.

Pre-requisite: MATH 100 with grade "C" or better, or equivalent

**SPE 111 Fundamentals of Speech** (3 credits)

Projects in public speaking with emphasis on content, organization, and speaker adjustments to various situations; dynamics of the speaker-listener interaction; and appropriate language usage. Exercises in listening, criticism, logic, support, and ethics.

**WRI 121 English Composition** (3 credits)

Focuses on narrative/descriptive and expository writing. Students write essays, edit their own and others' work, develop competence in drafting, composing, organizing, and revising a variety of types of essays.

Pre-requisite: Writing ability as demonstrated by SAT/ACT score and or writing sample

**WRI 122 English Composition** (3 credits)

Designed to develop skills in ethical argument, research, and critical thinking. Multi-page papers, including an argumentative research paper, required. Students draft, compose, organize, and revise with focus on audience, effective style, and overall rhetorical effect.

Pre-requisite: WRI 121 with grade "C" or better

**WRI 123 English Composition** (3 credits)

The formal research paper. Designed primarily for students in college transfer programs, but may be taken as an elective by students in any curriculum.

Pre-requisite: WRI 122 / Pre- or co-requisite: SPE 111

**WRI 227 Technical Report Writing** (3 credits)

Practice in techniques of gathering, organizing and presenting technical information. Technical reports derived from realistic situations found in the student's major will be written.

Pre-requisite: WRI 122 / Pre- or co-requisite: SPE 111

**SOC 204 Introduction to Sociology** (3 credits)

Survey of human relationships and interaction of organized groups and institutions in modern society. Emphasis on attitudes, values, beliefs, customs, and change within our complex social structure.

**Introduction to Dental Hygiene – DH 100 or DHE 100** (2 credits)

Orientation to the theory and practice of all aspects of the dental hygiene profession. The history of dental hygiene, professional organization and career opportunities are discussed. Students will become familiar with dental terminology, infection control, charting, and clinical assessment techniques.

## **SOPHOMORE/JUNIOR/SENIOR YEARS (General Education Courses)**

### **BUS 331 Personal Finance** (3 credits)

Introduction to the basic principles of personal financial planning and budgeting. Includes banking services, consumer credit, asset purchases, insurance, and the fundamentals of investments and retirement planning.

### **CHE 210 or CHE 360 Clinical Pharmacology** (3 credits)

The drug action of selected pharmaceuticals. Emphasis is placed on drug interactions, routes of administration, and effects on body systems.

Pre-requisites: BIO 231, BIO 232

### **Communication Elective** (3 credits)

Three credits, choose from: WRI 214, 327, 328, 350 or 410

### **Humanities Elective** (6 credits)

Six credits selected by the student or specified by a major department from the following: ART-Art; ENG-Literature; HUM-Humanities; MUS-Music; PHIL-Philosophy; Languages (second year); COM 205\*, COM 320\*. Other transfer courses defined as “humanities” by the Registrar’s Office may be used in this category. No more than three credits of activity or performance-based courses may be used in this category.

\* COM 205 and COM 320 may **not** be used to satisfy both Communication and Humanities credits.

### **MATH 243 Introductory Statistics** (4 credits)

Descriptive statistics, numerical and graphical presentation of data, estimation and margin of error, hypothesis testing, correlation; interpretation of statistical results. Cannot be taken for graduation credit by students who have taken MATH 361.

Pre-requisite: MATH 100 or instructor’s consent

### **SPE 321 Small Group and Team Communication** (3 credits)

Introduction and experience in decision-making through group processes with objectives of developing competent discussion leaders and participants. Participation in and evaluation of a variety of group communication exercises.

Pre-requisite: SPE 111

## **Contact Information**

For academic advising or more information, please contact:

### **Bachelor of Science in Dental Hygiene at Klamath Falls**

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### **Bachelor of Science in Dental Hygiene at Chemeketa Community College**

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### **Associate of Applied Science in Dental Hygiene at La Grande**

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