



UTAH SYSTEM OF
HIGHER EDUCATION

MEMORANDUM

October 21, 2022

Program Alignment

The Utah Board of Higher Education (UBHE) Strategic Plan includes a tactic to facilitate coordination among technical education programs to align program structure and course content to support transfer. This initiative is represented in a strategy to facilitate completion through the development of stackable credentials to support student transfer among institutions.

Information

Technical education programs have general broad alignment across technical education institutions, particularly those regulated through licensure or programmatic accreditations, which make up about half of the programs offered. Currently, program and course names, lengths, and objectives in the same occupational areas including regulated programs differ between institutions.

Degree granting institutions develop articulation agreements with each technical college, for each program area separately. Agreements define coursework that is transferable between the two institutions. Given that technical education programs may change on an annual basis in response to industry feedback provided through established occupational advisory committees, the work required to develop and maintain these agreements is significant.

By aligning programs across technical education institutions, articulation agreements developed by degree granting institutions will apply broadly to all technical college students who have completed the aligned programs and courses. For example, Salt Lake Community College (SLCC) has internal articulations between technical college and academic programs. When technical education programs and courses are aligned across the system, these agreements will not only apply to SLCC students, but to any technical education student who has completed that program or course in the state.

Through this effort, degree-granting institutions will be better positioned to develop broad articulation agreements that benefit all technical college students who progress educationally, regardless of the institution they choose to attend.

Benefits

Students who receive credit for coursework already completed save time and tuition dollars. Reducing the duplication of completed courses helps students to progress more quickly to graduation. Reducing time to

completion reduces the odds of education being interrupted by life circumstances and increases graduation rates. This is particularly important to nontraditional students and underrepresented populations.

Expectations

- The Utah System of Higher Education (USHE) Commissioner's Office coordinates and provides guidance and assistance on the alignment initiative.
- Institutions must implement aligned programs within two years unless reasonable exceptions are granted by the Board of Higher Education Technical Education Committee.
- The alignment initiative will follow program and course guidelines, including:
 - required participation of USHE institutions that offer technical education programs
 - alignment of program title, length in clock-hours and credit hours, description, and objectives
 - alignment of course numbers, titles, length in clock-hours and credit hours, descriptions, and objectives
 - a core of required courses representing foundational knowledge and skills comprised of at least 70% of the total program length
 - potential broad selection of elective courses representing regional employment needs comprised of no more than 30% of the total program length
- Programs offered by single institutions are submitted to the Office of the Commissioner to be included in the program inventory.
- Electives can be added to the program at any time during the year and should be reported to the committee and Office of the Commissioner annually. Program committees consider whether to include electives in program requirements.

Faculty Program Committees

- Faculty Program Committees are made up of one faculty representative for each program offered by an institution. The roster is updated annually.
- Faculty Program Committees will be convened, and new members oriented at the beginning of each fiscal year.
- Program committees will be made up of only one full-time faculty subject matter expert per program, per technical education institution in which the program is offered.
- Faculty are encouraged to send a faculty substitute if they are unable to attend a meeting.
- In cases where a full-time faculty member is not available, a program director may represent the program.
- Effort should be made to accommodate the schedules of as many attendees as possible.
- Committees should meet as often as needed to achieve the timeline goals identified below and at least once per year after alignment is achieved.
- While video conferencing is possible and acceptable, workgroup members are encouraged to maximize engagement and understanding of program and course content.

- Faculty should get supervisor approval and follow institutional procedures to get substitute faculty, if necessary to provide instructional coverage during their absence.
- Institutions will cover the cost to host, travel to, and/or participate in committee meetings.
- A simple majority of participating institutions will constitute agreement.
- Data will be used to inform decisions and changes to programs and courses.
- Institutions are required to implement agreed-upon courses and programs.

Process

- The Office of the Commissioner compiles and submits program committee proposals and modifications of proposals to instructional officers for review and recommendations.
- Instructional designers from participating institutions review program and course descriptions and objectives. Recommended changes are reviewed by faculty.
- The UBHE Technical Education Committee verifies proposals meet the intent of the initiative.
- Institutions may request the USHE Curriculum Committee and UBHE Technical Education Committee grant a waiver of alignment requirements with justification. The committee may approve variations of alignment.
- Proposals are submitted to the UBHE as an information item on the consent calendar.
- Program approval and modification requirements will be defined in USHE policy.

Timeline

FY22: For all programs with a regulatory body, state or national licensure, or with a third-party accreditation agency, the UBHE directed the alignment of program titles, lengths in clock-hours and credit-hours, descriptions, and objectives; and align required course numbers, titles, lengths in clock-hours and credit-hours, descriptions, and objectives. Programs are encouraged to identify and implement electives where necessary, as part of the program. Program titles, lengths in clock-hours and credit-hours, descriptions, and objectives for all other programs should also be aligned.

FY23: For all programs which have a regulatory body, state or national licensure, or generally have a third-party accreditation agency, committees are expected to complete implementation of FY22 alignment activities, including identification and implementation of electives, where necessary. For all other programs, alignment of required course numbers, titles, lengths in clock-hours and credit-hours, descriptions, and objectives should be achieved with the identification and implementation of elective courses where necessary.

FY24: Complete the implementation of FY23 alignment activities.

Progress Report

Committee members are asked to review this document, the progress report, and single institution and aligned program proposals prior to the meeting. An overview of the initiative progress will be presented to the committee and single institution and aligned program proposals will be presented for discussion.

Commissioner's Recommendation

The Commissioner recommends the committee forward single institution and aligned programs to the Committee of the Whole as an information item.

Attachments:

Master Alignment Project Status

Single Institution Programs Combined Documentation

Aligned Programs Combined Documentation

Alias				Submitted to OCHE			Acceptance					Implementation											
	Regulated	Single	Other	Program Details*	Aligned Courses Details	Non-Aligned Courses Details	ISD Review	IOC Review	USHE Curriculum Committee Review	Technical Education Committee Acceptance	Full Board Acceptance	Bridgerland	Davis	Dixie	Mountainland	Ogden-Weber	Salt Lake Community College	Snow College	Southwest	Tooele	Uintah Basin	USU Eastern	
Animal Science		Y-Bridgerland		X	X	X	X	NA	NA	4.15.2022	9.16.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Controls Engineering Technology		Y-Bridgerland		X	X	X	X	NA	NA	4.15.2022	9.16.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Data Analytics		Y-Bridgerland		X	X	X	X	NA	NA	4.15.2022	9.16.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fashion Merchandising		Y-Bridgerland		X	X	X	X	NA	NA	4.15.2022	9.16.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Interior Design		Y-Bridgerland		X	X	X	X	NA	NA	4.15.2022	9.16.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meat Services		Y-Bridgerland		X	X	X	X	NA	NA	4.15.2022	9.16.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paramedic		Y-Bridgerland		X	X	X	X	NA	NA														
Therapeutic Massage		Y-Bridgerland		X	X	X	X	NA	NA														
Esthetician		Y-Davis		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA											
Home Health Aide		Y-Davis		X	X	X	X	NA	NA	4.15.2022	9.16.2022	NA											
Injection Molding		Y-Davis		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA											
Manufacturing Technology		Y-Davis		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA											
Biotechnology		Y-Dixie		X	X	X	X	NA	NA	4.15.2022	9.16.2022	NA	NA										
Construction Craft Skilled Laborer (AGC)		Y-Mountainland		X	X	X	X	NA	NA	4.15.2022	9.16.2022	NA	NA										
Custom Design & Fabrication		Y-Mountainland		X	X	X	X	NA	NA														
Digital Marketing		Y-Mountainland		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Form Builder - Rough Carpentry (AGC)		Y-Mountainland		X	X	X	X	NA	NA	4.15.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Form Builder - Rough Carpentry (Highway) (AGC)		Y-Mountainland		X	X	X	X	NA	NA	4.15.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heavy Equipment Operator (AGC)		Y-Mountainland		X	X	X	X	NA	NA	4.15.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Limited X-Ray Technician		Y-Mountainland		X	X	X	X	NA	NA	8.19.2022	9.16.2022												
Radiography Technology		Y-Mountainland		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sterile Processing Technician		Y-Mountainland		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Truck Driver, Heavy (AGC)		Y-Mountainland		X	X	X	X	NA	NA														
Medical Scribe		Y-Ogden-Weber		X	X	X	X	NA	NA	4.15.2022	9.16.2022												
Non-Destructive Testing		Y-Ogden-Weber		X	X	X	X	NA	NA														
Clinical Lab Assistant		Y-SLCC		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Medical Office Administration		Y-SLCC		X	X	X	X	NA	NA	8.19.2022	9.16.2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nail Technician Instructor		Y-Tooele		X	X	X	X	NA	NA	4.15.2022	9.16.2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Advanced Energy Transportation		Y-Uintah Basin		X	X	X	X	NA	NA														
Cabinetry (Secondary)		Y-Uintah Basin		X	X	X	X	NA	NA	4.15.2022	9.16.2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Introduction to Pumping		Y-Uintah Basin		X	X	X	X	NA	NA														
Tower Technician		Y-Uintah Basin		X	X	X	X	NA	NA														
Well Control Supervisor		Y-Uintah Basin		X	X	X	X	NA	NA	4.15.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Well Control Workover Operator		Y-Uintah Basin		X	X	X	X	NA	NA	4.15.2022		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barbering	Y			X	X	X	8.5.2022	9.9.2022	NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Commercial Driver's License Class A (Aligned Program)	Y			X	X	NA	9.9.2022	9.30.2022	5.23.2022				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Commercial Trucking and Transportation (USU-E Proposed Exception)	Y			X	X	X	NA	NA	5.23.2022			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cosmetology	Y			X	X	X	8.5.2022	9.9.2022	NA					NA					NA				
Electrician	Y			X	X	X	5.20.2022	4.5.2022	NA	8.19.2022	9.16.2022									NA			
Emergency Medical Technician	Y			X	X	X	5.20.2022	4.5.2022	4.28.2022	8.19.2022	9.16.2022										NA		
Emergency Medical Technician-Advanced	Y			X	X	X	5.20.2022	4.5.2022	4.28.2022	8.19.2022	9.16.2022	NA									NA		
Firefighter (Aligned Program)	Y			X	X	X	5.20.2022	4.5.2022	4.28.2022												NA		
Fire and Rescue Services (BTech Proposed Exception)	Y			X	X	X	5.20.2023	4.5.2023	4.28.2023												NA		
Hair Design	Y			X	X	X	8.5.2022	9.9.2022	NA			NA									NA		
Law Enforcement	Y																						
Master Esthetician	Y			X	X	X	8.19.2022	9.9.2022													NA		
Nail Technician	Y			X	X		8.19.2022					NA									NA		
Nurse Assistant	Y			X	X	X	5.20.2022	4.5.2022	4.28.2022	8.19.2022	9.16.2022												
Pharmacy Technician (Aligned Program)	Y			X	X		8.5.2022														NA		
Pharmacy Technician (MTech Proposed Exception)	Y			X	X	NA	8.5.2023																
Plumbing	Y			X	X	X	5.20.2022	4.5.2022	NA	8.19.2022	9.16.2022												
Real Estate	Y			X	X	X	5.20.2022	4.5.2022	NA	8.19.2022	9.16.2022												
Auto Collision			Y	NLD	NLO																		
Automated Manufacturing			Y	X	X		8.5.2022																
Automotive Technician			Y	NL	NL																		
Business Administrative Services			Y	X	X		10.14.2022																
Composite Materials			Y	NL																			
Construction Fundamentals			Y	X	X	NA	8.19.2022	6.9.2022	8.11.2022														
Construction Technology			Y	X	X		8.19.2022	6.9.2022	8.11.2022														
Culinary Arts			Y	X																			
Dental Assisting			Y	X	X	X	8.19.2022	9.30.2022															
Diesel Technician			Y	X	X	NA	9.9.2022																
Digital Media Design			Y	X	X		8.19.2022																
Drafting			Y	X																			
Electronics Technology			Y	X	X																		
Heavy Equipment Operator (Aligned Program)			Y	X	X	NA	8.19.2022	9.30.2022	5.23.2022														
Heavy Equipment and Earth Moving Operator (USU-E Proposed Exception)			Y	X	X	X	8.19.2022	4.5.2022	5.23.2022														
HVAC			Y	X	X		10.14.2022																
Information Technology			Y	X	X		8.5.2022	4.5.2022	4.28.2022														
Information Technology and Cybersecurity			Y	X	X		8.5.2022	4.5.2022	4.28.2022														
Machining Technology			Y	NL																			
Medical Assisting			Y	X	X		10.14.2022																
Medical Coding and Billing			Y	X																			
Mobile Development			Y																				
Phlebotomy			Y	X	X	X	9.9.2022	4.5.2022	4.28.2022														
Software Development			Y	X	X		8.5.2022																
Surgical Technology (Aligned Program)			Y	X	X		8.19.2022	4.5.2022	8.11.2022														
Surgical Technician (UBTech Proposed Exception)			Y	X	X		8.19.2022	NA	8.11.2022														
Web and Graphic Design			Y	X																			
Welding Technology			Y	X	X		8.5.2022																

* Details include Name, Length, Description, Objectives

- Due June 30, 2022
- Due June 30, 2023
- Due June 30, 2024

- X Completed and Submitted
- N Name only
- NL Name and Length only
- NLD Name, Length, Description only
- NLO Name, Length, Objectives only



Utah System of Higher Education
Paramedic
FY2023 / 33 Credits (1170 Clock-Hours)

Paramedic			
Institutions: Bridgerland			
<i>Certificate of Program Completion (Catalog Year: 2023, 33 Credits/1170 Clock-Hours Required, CIP: 51.0904)</i>			
Core 18 Credits/1170 Clock-Hours)		Credits	Clock-Hours
EMSP 1111	Paramedic Fundamentals	5	150
EMSP 1111	Paramedic Fundamentals Lab	4	120
EMSP 1121	Fundamental Field Externship	2	90
EMSP 1130	Fundamental Clinical Externship	2	90
EMSP 1501	Advanced Emergency Care	6	180
EMSP 1511	Advanced Skills Lab	3	90
EMSP 1521	Advanced Field Externship	2	90
EMSP 1531	Advanced Clinical Externship	2	90
EMSP 2120	Capstone NREMT Exam Prep	3	90
EMSP 2130	Capstone Field Externship	4	180
TOTALS		33	1170



Utah System of Higher Education

Paramedic

FY2023 / 33 Credits (1170 Clock-Hours)

PROGRAM DESCRIPTION

The Paramedic program provides students with the training necessary to become licensed as Paramedics through the state of Utah and the National Registry of Emergency Medical Technicians. The program partners with local fire departments and hospitals to help students develop strong critical thinking and medical skills. Hands-on instruction, laboratory simulation, and experiential clinical practice give students the confidence to handle a variety of prehospital care environments and emergency care situations.

Objectives:

- Demonstrate patient assessment of the medical and trauma patient.
- Identify and apply cognitive, psychomotor, and affective skills in a simulated out-of-hospital environment.
- Understand basic pharmacology and provide IV medications/administration.
- Perform advanced airway management and ventilation.
- Treat injuries and illnesses safely in pediatric, adult, and geriatric patients.
- Treat injuries and illnesses safely using the entire spectrum of paramedic protocols under the supervision of an approved preceptor.
- Work cooperatively with professionals in the field

COURSE DESCRIPTIONS

Paramedic Fundamentals

5 Credits/150 Clock-Hours

The Paramedic Fundamentals course integrates topics such as EMS communications, the safety/well-being of the paramedic, medical/legal responsibilities, ethical issues, and research in EMS. Students learn pharmacology, pathophysiology, history taking, ventilatory management, suctioning, IV therapy, sterile techniques, medications/administration, medical terminology, cardiac emergency treatment, and patient assessment. The course reinforces concepts and clinical skills students previously learned at the EMT level. It introduces advanced concepts in EMS Systems, illness and injury prevention, medical-legal issues, anatomy, physiology, pathophysiology, and childbirth.

Objectives:

- Discriminate between normal and abnormal anatomy and physiology, and distinguish these characteristics as they relate to pathophysiology.
- Interpret complex medical, legal, and ethical issues in EMS.
- Outline factors that impact the health and wellness of the paramedic and correlate these with behaviors that promote a culture of safety.
- Explain variations in the assessment and management of the Adult and Pediatric airway.
- Explain fundamental principles of public health, health promotion, and illness and injury prevention.
- Identify cardiac patient electrophysiology, basic monitoring techniques and ECG rhythms recognition
- Assess and treat patients who may be experiencing a cardiovascular disorder.

Paramedic Fundamentals Lab

4 Credits/120 Clock-Hours

The Paramedic Fundamentals Lab course provides practical learning of skills and National Registry competencies including comprehensive patient assessment of adult and pediatric patients, history taking, medical assessment, advanced cardiac life support, advanced airway management, CPAP, ventilator use, IV insertion, medication administration, and IO insertion. Students demonstrate competency in the National Standard Curriculum. The course reinforces concepts and clinical skills students previously learned at the EMT level. It introduces advanced concepts in cardiology, airway management, respiratory



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distress, and resuscitation. Students learn to identify patient assessment and management within the paramedic's scope of care.

Objectives:

- Demonstrate competency in performing head-to-toe patient assessment.
- Perform advanced airway management.
- Manage advanced cardiac care and recognize acute life-threatening situations.
- Identify and apply cognitive, psychomotor, and affective skills in a simulated out-of-hospital environment.
- Demonstrate and record performance in the NREMT lab portfolio.
- Integrate the pathophysiology, assessment, and management of the medical patient.
- Analyze advanced patient assessment findings and formulate management of these emergencies within the paramedic scope of practice.

Fundamental Field Externship

2 Credits/90 Clock-Hours

In the Fundamental Field Experience course, students complete field rotations in a field experience system with a local service provider and an assigned preceptor. Students progress from the most basic assessment and treatment methods to the level of entry-level paramedics. This field experience is intended to prepare students for advanced psychomotor skills they will learn in EMSP 1520: Advanced Field Experience (block 2).

Objectives:

- Perform at an advanced EMT level in patient assessment and corresponding patient management.
- Demonstrate competence in interpersonal management when working cooperatively with professionals in the field.
- Receive and integrate feedback on field performance.
- Devise a patient care plan based on assessment findings.
- Distinguish the need for basic versus advanced airway interventions.
- Order appropriate pharmacologic interventions based on patient presentation and assessment findings.
- Successfully complete a minimum of 15 patient contacts during field rotations.

Fundamental Clinical Externship

2 Credits/90 Clock-Hours

The Fundamental Clinical Experience course provides real-time hands-on training and treatment of patients under the supervision of an assigned preceptor. Students are involved with actual patient care, such as venous access, medication administration, respiratory treatment, and comprehensive patient assessment.

Objectives:

- Perform at an advanced EMT level in patient assessment and corresponding patient management.
- Work cooperatively with professionals in the clinical setting.
- Receive and integrate feedback on-clinical performance.
- Differentiate assessment findings of patients with those found in normal human physiology.
- Compare assessment details in acute versus chronic pathophysiology.
- Administer 12 lead EKGs to patients in the acute setting.
- Integrate the pathophysiology, assessment, and critical decision-making skills indicated for patients in special populations.



Utah System of Higher Education

Paramedic

FY2023 / 33 Credits (1170 Clock-Hours)

Advanced Emergency Care

6 Credits/180 Clock-Hours

The Advanced Emergency Care course includes concepts on special populations in paramedicine such as advanced pediatric management, OB/GYN emergencies, neonatal resuscitation, geriatrics, and Trauma events. It also introduces cold weather rescue, environmental emergencies, rope rescue, swift water rescue, crime scene management, neurology, endocrinology, gastroenterology, pulmonary emergencies, cricothyrotomy, chest venting, external jugular cannulation, toxicology, hematology, shock management, nasogastric tube insertion, Foley catheter insertion, scene leadership, and incident management for the paramedic.

Objectives:

- Diagnose injuries and illnesses accurately in pediatric, adult, and geriatric patients under the supervision of an approved preceptor.
- Treat injuries and illnesses safely using the entire spectrum of paramedic protocols under the supervision of an approved preceptor.
- Compare the management of normal deliveries versus high-risk pregnancy and related gynecological emergencies.
- Evaluate the pathophysiology, management, and resuscitation of infants, including neonates and newborns.
- Demonstrate a patient assessment of an obstetric patient and organize findings for assessment-based management of a normal and abnormal.
- Diagram the Incident Command Structure (ICS) and explain concepts of interdisciplinary roles in various EMS incidents.
- Integrate awareness and management of Hazardous Materials incidents, bioterrorism, WMD, and mass casualty incidents.
- Outline care which may include out-of-classroom education in high angle rescue, swift water rescue, paramedic course, aeromedicine, and ongoing field assessment

Advanced Skills Lab

2 Credits/90 Clock-Hours

The Advanced Skills Lab course provides practical learning of skills and National Registry competencies. These include cricothyrotomy, thoracotomy, childbirth (both normal and abnormal deliveries), trauma assessment, hemorrhage and shock management, bandaging, and splinting. Students show competency in the National Standard Curriculum.

Objectives:

- Demonstrate competency on National Standards in the entire spectrum of paramedic practice.
- Demonstrate and record performance in the NREMT lab portfolio.
- Illustrate how multisystem trauma and Mechanism of Injury (MOI) relate to patient assessment and scene management.
- Differentiate the pathophysiology, assessment, and management of lung injuries, myocardial injuries, vascular injuries, and other chest-related injuries.
- Integrate the pathophysiology, assessment, and critical decision-making skills indicated for patients in special populations.
- Demonstrate patient management in simulated out-of-hospital scenarios of the medical and trauma patient

Advanced Field Externship

2 Credits/90 Clock-Hours

In the Advanced Field Experience course, Paramedic students complete field experience with an assigned preceptor. Students participate in the head-to-toe assessment and advanced treatment skills in



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FY2023 / 33 Credits (1170 Clock-Hours)

actual out-of-hospital field emergencies. This advanced field experience is intended to prepare students as entry-level Paramedics for EMSP 2110: Capstone Field Internship (block 3).

Objectives:

- Demonstrate the ability to safely assess and manage the treatment of an emergency pediatric, adult, or geriatric patient.
- Complete a minimum of 20 patient contacts during field rotations.
- Demonstrate a comprehensive patient assessment, including a detailed physical exam and patient history.
- Devise a patient care plan for trauma patients based on assessment findings.
- Distinguish the need for basic versus advanced interventions in medical or trauma patients.
- Recommend specific basic and advanced life support interventions in the medical or trauma patient.
- Order appropriate pharmacologic interventions based on patient presentation and assessment findings.

Advanced Clinical Externship

2 Credits/90 Clock-Hours

The Advanced Clinical Experience course provides real-time hands-on training and treatment of patients under the supervision of an assigned preceptor. Students are involved with actual patient care such as venous access, medication administration, respiratory treatment, comprehensive patient assessment, childbirth, trauma assessment, pediatric assessment, and 12 lead ECG.

Objectives:

- Perform an exam of the OB patient.
- Perform a comprehensive trauma exam.
- Perform advance cardiac life support treatment.
- Perform advanced trauma life support.
- Perform pediatric and neonate advanced life support.
- Differentiate assessment findings of critical and stable pediatric patients.
- Distinguish between normal physiology children and pathophysiology in children with special healthcare needs.
- Integrate basic and advanced interventions in respiratory emergencies.

Capstone NREMT Exam Prep

3 Credits/90 Clock-Hours

The Capstone NREMT Exam Prep course provides students with hands-on practice of the entire spectrum of paramedic care.

Objectives:

- Perform all duties as an entry-level paramedic using cognitive, affective, and psychomotor domains.
- Perform patient assessment in trauma situations.
- Demonstrate cardiac management skills.
- Manage patient condition competently in out-of-hospital scenarios.
- Demonstrate competency in airway, respiration, and ventilation, cardiology, resuscitation, trauma, medical, obstetrics and gynecology, and EMS operations for both adult and pediatric patients.
- Complete the required National Registry capstone portfolio

Capstone Field Externship

4 Credits/180 Clock-Hours



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In the Capstone Field Internship course, students participate in actual emergency out-of-hospital field situations, demonstrating team leadership, managing out-of-hospital situations, and successfully performing as competent entry-level paramedics in the field. Ongoing evaluation of the students' performance and competency in all areas of paramedicine will be the focus as the team lead calls under preceptor supervision.

Objectives:

- Demonstrate exemplary professional behavior, including but not limited to integrity, empathy, self-motivation, appearance/personal hygiene, self-confidence, communication, time management, teamwork/diplomacy, respect, patient advocacy, and careful delivery of service.
- Perform basic and advanced interventions as a part of a treatment plan intended to mitigate emergencies, provide symptom relief, and improve the overall health of the patient.
- Evaluate the effectiveness of interventions and modify the treatment plan accordingly.
- Prepare and document assessment findings and interventions to be used for research purposes.
- Complete a minimum of 25 ALS patient contacts during the Capstone Field rotations.



Utah System of Higher Education
Therapeutic Massage
FY2023 / 26 Credits (825 Clock-Hours)

Therapeutic Massage			
Institutions: Bridgerland			
<i>Certificate of Program Completion (Catalog Year: 2023, 26 Credits/825 Clock-Hours Required, CIP: 51.3501)</i>			
Core (24 Credits/825 Clock-Hours)		Credits	Clock-Hours
TMAS 1010	Anatomy, Physiology, Kinesiology	6	180
TMAS 1110	Pathology	2	60
TMAS 1210	Therapeutic Massage Techniques I	4	120
TMAS 1220	Therapeutic Massage Techniques II	4	120
TMAS 1230	Therapeutic Massage Techniques III	3	90
TMAS 1240	Therapeutic Massage Techniques IV	1	30
TMAS 1310	Professional Standards. Ethic and Business Practices	2	60
TMAS 1530	MBLEX/National Exam Prep	1	30
TMAS 2999	Clinical Applications Externship	3	135
Totals		26	825



Utah System of Higher Education

Therapeutic Massage

FY2023 / 26 Credits (825 Clock-Hours)

PROGRAM DESCRIPTION

Therapeutic Massage is a comprehensive accredited program that prepares students to be eligible to take the Massage and Bodywork Licensing Examination (MBLEx) and become Licensed Massage Therapists in the State of Utah. Based on the principles of Swedish massage and advanced techniques, this program introduces students to basic and advanced manipulative skills, the theory and practices of professional massage therapy, safety precautions, and the professional work habits and behaviors necessary for a successful career in massage therapy. Students participate in a supervised clinical phase to refine hands-on skills, advance their knowledge and techniques, and build confidence in working with clients. As trained and certified massage therapists, graduates are able to manipulate the soft tissues of the body — muscle, connective tissue, tendons, ligaments, and skin — as an effective treatment for reducing stress, pain, and muscle tension caused by a wide range of medical conditions and situations.

The minimum requirement for Licensed Massage Therapist certification in the State of Utah is 600 hours. The additional 225 hours in this program provide training in advanced skills. Upon completion of the 825-hour program, students demonstrate their competency in the following:

Objectives:

- Analyze and apply the anatomy and physiology of the human body in massage therapy.
- Assess clients' soft tissue condition, joint quality and function, muscle strength, and range of motion.
- Analyze clients' medical history, stress, pain, and/or injury in determining the most effective massage techniques.
- Massage and knead of muscles, connective tissue, tendons, ligaments, and skin to provide treatment for medical conditions, injuries, or wellness maintenance.
- Apply advanced massage skills to safely and efficiently adapt massage therapy sessions to individual client needs.
- Use high ethical standards, codes of conduct, customer service, and clear communication when working with clients.

COURSE DESCRIPTIONS

Anatomy, Physiology & Kinesiology

6 credits/180 Clock-Hours

In the Anatomy, Physiology & Kinesiology course, students examine the muscles (their origins, insertions, actions, and the organs to which they reflex), bones, nerves, and functions of the body's systems through anatomical drawings, experiential exercises, and labs. Students also analyze the structure, function, and pathophysiology of other body systems (integumentary, nervous, endocrine, circulatory, respiratory, gastrointestinal, cardiovascular, lymphatic, urinary, excretory, and reproductive) as they relate to massage therapy. Students expand their knowledge of the actions of muscles and muscle groups through palpation and drawings, muscle fiber directions, joint structure and movements (flexion, extension), types of muscle contractions (e.g. eccentric, concentric, isometric), and proprioception.

Objectives:

- Identify the locations and functions of the bones and bony landmarks of the skeletal system.
- Identify and demonstrate the actions of the muscles in the musculoskeletal system.
- Identify the locations and functions of all major organs of the body.
- Identify the origins and insertions of the muscles and their attachments.
- Identify muscle fiber directions and types of muscle contractions.



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Therapeutic Massage

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- Identify and describe the four functions of muscle tissue.
- Analyze the three joint structure types.
- Locate and define the major classifications of joints.
- Display knowledge of the functionality of the physiological systems in the body.
- Demonstrate and perform the major movements of the body.

Pathology

2 Credits/60 Clock-Hours

In the Pathology course, students study the diseases and disorders of the human body. Students learn the etiology, signs, and symptoms of various diseases and how the diseases affect each system of the body. Students study the differences between acute and chronic conditions and the modes of contagious disease transmission. Students also gain an understanding of the medical terminology, indications, and contraindications (cautions) of diseases as they relate to massage therapy.

Objectives:

- Identify several musculoskeletal disorders.
- Identify several nervous, lymphatic, immune, respiratory, endocrine, urinary, digestive, reproductive, and cardiovascular system conditions.
- Describe the purpose of inflammation and the three major stages of inflammation.
- Explain why damaged skin contraindicates massage therapy.
- Distinguish 10 common signs that indicate the possibility of cancer.
- Identify at least 3 internal factors in the development of cancer.

Therapeutic Massage Techniques I

4 Credits/120 Clock-Hours

In the Therapeutic Massage Techniques I course, students learn the foundations of Swedish massage and how to apply basic Swedish techniques safely and effectively. Students gain an understanding of the history and benefits of massage therapy and the various contraindications encountered in the field. Students also learn basic draping techniques, hygiene, sanitation, and professional conduct required when working with clients. Touch and pressure sensitivity and proper table and body mechanics are emphasized as tools for longevity in massage therapy careers. Students are also introduced to the following topics: spa therapy treatments; aromatherapy; hydrotherapy; hot stone massage; seated chair massage theory and techniques; and the history, principles, and application of reflexology techniques.

Students also learn personal hygiene and the proper protocols for creating a comfortable, sanitary, and safe environment for the practice of massage therapy. Students explore infection control procedures to prevent the spread of serious diseases. An American Heart Association CPR Certified Instructor provides basic first aid training and cardiopulmonary resuscitation certification.

Objectives:

- Identify and explain the benefits of massage therapy.
- Perform the five Swedish massage strokes with proper body mechanics.
- Label, define, classify, and apply types of contraindications for massage therapy.
- Perform 60-minute and 90-minute Swedish massage sessions, and a 15-minute seated chair massage.
- Identify key essential oils and describe how they can be used in a massage therapy practice.
- Identify the benefits and contraindications of hot stone massage/hydrotherapy and perform these techniques in Swedish massage.
- Identify indications and contraindications and demonstrate knowledge of the theories and benefits of reflexology.



Utah System of Higher Education

Therapeutic Massage

FY2023 / 26 Credits (825 Clock-Hours)

- Perform a general reflexology session while identifying major reflex points of the foot.
- Identify the basic rules and procedures of sanitation and how they are used to control transmission of pathogens.
- Demonstrate proper hand hygiene and determine when gloves are needed for massage therapy.
- Identify the methods for disinfecting contaminated linens, surfaces, and reusable objects.
- List the contraindications of massage and endangerment sites relative to standard precautions.
- Obtain CPR/AED Certification.

Therapeutic Massage Techniques II

4 Credits/120 Clock-Hours

The Therapeutic Massage Techniques II course expands on the materials and skills learned in Therapeutic Massage Techniques I. Students explore the history, anatomy, and treatment techniques of craniosacral therapy, including the craniosacral system, specific bones, bone motion, and common dysfunctions in the system. They also explore how to safely adapt and perform massage therapy to special populations, including pre/postnatal women and geriatric, palliative care, and cancer/hospice clients. Students learn side-lying and semi-reclined positioning and specialized draping techniques. They also demonstrate and practice joint mobilization and stretching techniques for the neck, arms, shoulders, back, and legs. During massage lab time, students demonstrate, practice, and refine skills learned in previous courses.

Students also obtain a basic understanding of proper nutrition with an overview of nutrients, proteins, carbohydrates, fats, vitamins, minerals, and enzymes. Students learn and apply the six dimensions of the wellness model: physical, occupational, intellectual, emotional, social, and spiritual. Students will also learn how to prevent therapist burnout and achieve career longevity.

Objectives:

- Describe and list the benefits of craniosacral therapy and perform a 60-minuted craniosacral therapy session.
- Define and describe the benefits, contraindications, and special considerations for pre/postnatal massage.
- Demonstrate proper table body mechanics and client positions for pre/postnatal massage.
- Apply appropriate techniques of draping and bolstering to clients in a side-lying position.
- Identify benefits, contraindications, and special considerations for specialized populations.
- Identify the difference between active and passive movements.
- Demonstrate mobilizing and stretching techniques in different areas of the body.
- Identify proper nutrients and a balanced diet.
- Define wellness and the wellness model.
- Define career longevity and identify self-care techniques and ways to prevent therapist burnout.

Therapeutic Massage Techniques III

3 Credits/90 Clock-Hours

In the Therapeutic Massage Techniques III course, students learn how to safely access the deeper structures of the body through trigger point therapy, sports massage, neuro-muscular therapy, and deep tissue massage. Basic postural analysis, methods of integration, and assessment procedures are demonstrated. Course instruction includes athletic pre-post event protocols, case studies, event coordination, and on-site preparation and set-up. Students also refine their palpatory skills with supervised clinical training.

Objectives:



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Therapeutic Massage

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- Identify trigger points and their referral patterns in major muscle groups.
- Demonstrate the various types of sports massage techniques with cramp relief techniques.
- Demonstrate compression, deep transverse friction, and ischemic compression techniques.
- Identify the five principles of neuromuscular therapy.
- Identify and label postural dysfunctions; perform a postural analysis, and formulate a treatment plan.
- Demonstrate palpation techniques through various layers of connective tissue.
- Perform a deep tissue massage on the upper and lower body.
- List contraindications for modalities learned in the course.

Therapeutic Massage Techniques IV

1 Credits/30 Clock-Hours

The Therapeutic Massage Techniques IV course provides an overview of the theories and systems of traditional Chinese medicine foundations: yin and yang, meridians, shiatsu, acupressure, and chakra systems. Students are introduced to lymphatic drainage massage. Students practice and apply these techniques in full body massage sessions or stand alone sessions.

Objectives:

- Locate the 12 primary meridians, the governing vessel, and the conception vessel.
- Describe the Yin/Yang theory.
- Identify the 5 elements or phases.
- Locate, label, and define the seven chakras of the body.
- Demonstrate proper table and body mechanics and client positions for shiatsu.
- Identify indications and contraindications of lymphatic drainage.
- Perform lymphatic drainage massage.

Professional Standards, Ethics, and Business Practices

2 Credits/60 Clock-Hours

The Professional Standards, Ethics, and Business Practices course introduces students to the business side of massage with topics of interest for the small business owner, employee, and/or independent contractor. Students learn basic business skills and practices, including client interview techniques; SOAP/session record keeping; accounting practices; requirements for local, state, and federal laws and income taxes. Additionally, students learn about legal entities; insurance; and marketing strategies. Students explore the therapeutic relationship between client and practitioner, including safety, privacy, power differentials, transference and countertransference, boundary issues, and appropriate conduct. Students also learn practices related to informed consent, the right of refusal and confidentiality, and working with trauma survivors.

Students will explore the psychological factors affecting massage therapy and the psychology of touch and healing. Students learn how to appropriately identify and respond to an emotional release during a massage therapy session. Students gain an understanding of the components of body armoring, armoring patterns, and character structures. Students will also explore mental health conditions and disorders that may require referrals to mental health professionals.

Objectives:

- Identify tax ramifications, elements of business planning, marketing techniques, and create business cards.
- Create a client intake form, a policy and procedures form, and complete S.O.A.P documentation.



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Therapeutic Massage

FY2023 / 26 Credits (825 Clock-Hours)

- Demonstrate knowledge of state law requirements to become a licensed massage therapist.
- Describe the difference between transference and countertransference.
- Identify the duties and rights of the practitioner and the client in the therapeutic relationship.
- Describe the psychological effects of massage therapy on the client.
- Describe emotional release and the role of touch in emotional healing.
- Identify the psychological defenses that manifest as physical tension patterns or body armoring.
- Describe the relationship between muscle memory and trauma.

MBLEX/National Exam Prep

1 Credits/30 Clock-Hours

This course prepares students to sit for the MBLEX exam. Students participate in extensive reviews, quizzes, and exams on anatomy, physiology, kinesiology, pathology, business practices and ethics, Swedish massage, and other massage modalities taught throughout the Therapeutic Massage program. Students learn how to prepare for the MBLEX exam, including personal time management and strategies for studying.

Objectives:

- Demonstrate knowledge of terminology: prefixes, roots, and suffixes.
- Demonstrate knowledge of anatomy, physiology, and pathology.
- Demonstrate understanding of kinesiology and biomechanics.
- Demonstrate knowledge of the history, theory, assessment, and application of massage and bodywork.
- Demonstrate knowledge of energetic anatomy, including meridians and chakras.
- Demonstrate understanding of professional standards, ethics, and business practices, including client confidentiality, ethical standards, and effective communication.

Clinical Applications Externship

3 Credits/135 Clock-Hours

This is an experiential, hands-on course where students apply the knowledge and skills acquired in the therapeutic massage technique courses. Students interact with diverse clientele from the public through client interviews and assessments, documentation reviews, client consultations, S.O.A.P. notes, and client education. Students also use this experience to synthesize their clinical skills, refine techniques, re-define professional goals, and discuss case profiles under clinical supervision.

Objectives:

- Demonstrate initiative and confidence in communication with clients.
- Demonstrate knowledge and synthesis of client needs and health concerns to determine appropriate massage therapy protocols.
- Complete client session notes.
- Provide chair massage, 60-minute, and 90-minute therapeutic massage sessions for clients.
- Provide various massage modalities to clients based on Techniques I-IV.



Utah System of Higher Education

Custom Design & Fabrication

FY2023 / 21 Credits (630 Clock-Hours)

Custom Design & Fabrication			
Institutions: Mountainland			
<i>Certificate of Program Completion (Catalog Year: 2023, 21 Credits/630 Clock-Hours Required, CIP: 48.0511)</i>			
Core (21 Credits/630 Clock-Hours)		Credits	Clock-Hours
CDAF 0101	Fabrication Math I, II	1	30
CDAF 0102	Blueprints	2	60
CDAF 0103	Concept Sketching	1	30
CDAF 0104	Intro to SolidWorks	3	90
CDAF 0105	Crane Rigging, Safety, and Operation	2	60
CDAF 0106	Project 1 – Structural Shapes Project	4	120
CDAF 0107	Project 2 – Pipe Project	4	120
CDAF 0108	Project 3 – Student Choice Project	4	120



Utah System of Higher Education

Custom Design & Fabrication

FY2023 / 21 Credits (630 Clock-Hours)

PROGRAM DESCRIPTION

In this Custom Design & Fabrication program, students will learn the base principles and practices of metal fabrication across a wide variety of industrial standards. Students will learn how to read blueprints and assemble metal products according to engineered drawings. They will also learn fabrication skills, according to specific standards and codes set in place by major industrial organizations, such as the American Welding Society and the American Petroleum Institute.

Objectives:

- Operate common fabrication equipment such as drill presses, brake presses, and overhead cranes in the safest manner possible.
- Sketch drawings of fabricated product based on the application, using fundamentals of design.
- Apply the mathematics of engineering to produce a blueprint or drawing.
- Operate common machinery found in a fabrication shop, including the pipe threader, CNC tables, and overhead cranes.
- Turn drawings into physical fabricated products, including steel pipe assemblies, structural components, and any other form of metal product that would require different skills to build.
- Operate basic welding equipment, thermal cutting equipment, and hand-tools to effectively fabricate a wide range of products.

COURSE DESCRIPTIONS

Fabrication Math I, II

1 Credit/30 Clock-Hours

The Fabrication Math course is an interactive course provided by the American Welding Society. It is designed to teach students the mathematical input that is required to properly and efficiently fabricate. This course will cover the algebra and geometry associated with fabrication, and provide real-world applications.

Objectives:

- Demonstrate the involvement of mathematics in steel erection, fabrication, and production
- Apply mathematics to find solutions to real-world issues in a fabrication setting.
- Display knowledge of design principles using mathematics
- Use mathematics to work in the most efficient and safe ways possible.

Blueprints

2 Credit/60 Clock-Hours

This Blueprints course is taught out of a current informative book on blueprints and blueprint reading. The work is done as a class, and students take a review exam at the end of each chapter. This course is designed to help students recognize the components of a blueprint and understand how to fabricate by reading blueprints.

Objectives:

- Differentiate between varying types of blueprints and demonstrate how to read each type.
- Display knowledge of blueprints, based on the current units.
- Interact with real blueprint examples and demonstrate how to efficiently read them, and fabricate to the standards of the blueprints, and any associated code.
- Demonstrate efficient and effective methods of completing a build by planning a series of tasks shown on a blueprint.

Concept Sketching

1 Credits/30 Clock-Hours

This course is designed to help students understand how to design and engineer materials into new and useful things. They will learn the steps to creation and design of a project, and how to finalize ideas to



Utah System of Higher Education

Custom Design & Fabrication

FY2023 / 21 Credits (630 Clock-Hours)

successfully fabricate items or projects. This will aid them in all aspects of the fabrication process by helping them understand how blueprints are engineered.

Objectives:

- Design projects that are unique, or similar, to products found in the industry.
- Create a rough draft and take proper steps to finalize and finish a product.
- Test to ensure that their designs are drawn as any blueprint or drawing would in the industry

Intro to SolidWorks

3 Credits/90 Clock-Hours

This course is designed to teach students how to design 3-dimensional projects on a computer programming system. This is to teach them the introductory steps to engineering blueprints for projects. The drawings made in this design program will be printed and used to fabricate example assemblies that are related to structural and pipe work in the industry.

Objectives:

- Design a 3-dimensional picture for fabrication.
- Demonstrate various sketching methods that are used in the fabrication industry.
- Test to ensure that designs and drawings are made to industry standards.

Crane Rigging, Safety, and Operation

2 Credits/60 Clock-Hours

This course will teach students how to safely operate cranes used to lift and move very heavy or large materials. They will gain hands-on experience and apply the knowledge and mathematical skills involved with operating an overhead crane. They will also learn the hazards of operating a crane, and how to prevent these risks to operate safely at all times.

Objectives:

- Calculate weight, size, and shape to perform proper lifts using the crane.
- Demonstrate safety practices to prevent injury or damages when operating an overhead crane.
- Safely lift and move objects of extreme weight and awkward shapes.
- Apply safety practices, mathematics, and proper techniques to successfully perform varying types of movements, lifts, or rolls.

Project 1 – Structural Shapes Project

4 Credits/120 Clock-Hours

In this course, students will learn about structural material shapes, how to fabricate to structural code, and methods of steel erection used in the industry today. This course will involve and implement practices from previous courses, to help students understand the process of structural steel construction. They will be trained to use a wide variety of machinery and tools to successfully fabricate structural steel components.

Objectives:

- Demonstrate proper use of tools and equipment used to fabricate in the structural industry.
- Apply the process of structural design to fabrication and to erection.
- Fabricate structural steel components based off of engineered drawings and blueprints.
- Test for competency on structural shapes, methods, and common practices, as well as safety in handling materials and equipment maintenance.

Project 1 – Structural Shapes Project

4 Credits/120 Clock-Hours

In this course, students will learn about structural material shapes, how to fabricate to structural code, and methods of steel erection used in the industry today. This course will involve and implement practices from previous courses, to help students understand the process of structural steel construction. They will



Utah System of Higher Education

Custom Design & Fabrication

FY2023 / 21 Credits (630 Clock-Hours)

be trained to use a wide variety of machinery and tools to successfully fabricate structural steel components.

Objectives:

- Demonstrate proper use of tools and equipment used to fabricate in the structural industry.
- Apply the process of structural design to fabrication and to erection.
- Fabricate structural steel components based off of engineered drawings and blueprints.
- Test for competency on structural shapes, methods, and common practices, as well as safety in handling materials and equipment maintenance.

Project 2 – Pipe Project

4 Credits/120 Clock-Hours

This course will teach students about the process of pipe fabrication. This will include learning about the different pipe materials and how to identify them. They will also learn how to use and maintain tools and equipment that is used in a pipe fabrication industry setting. Techniques and practices of pipe-fitting will be implemented.

Objectives:

- Demonstrate safe practices when working in a pipe-fitting work environment.
- Utilize and maintain pipe-fitting equipment and tools in a safe and efficient manner.
- Demonstrate knowledge of the different materials used in this field of work.
- Fabricate pipe projects (based on engineered drawings) that are held to the same standards and code as work done in the industry.
- Test for competency on pipe shapes, fitting methods, and common practices as well as safety in handling materials and equipment maintenance.

Project 3 – Student Choice Project

4 Credits/120 Clock-Hours

This course will allow students to take a combined variety of learned knowledge and skills, and apply them to a project of their choice. Students will have the opportunity to design, finalize, and fabricate a project of their own. This will help students understand how all components of fabrication come together and allow them to fabricate complex items while maintaining industrial codes and standards.

Objectives:

- Design and submit drawings of a personal choice project. Drawings will be accurate, and sufficiently detailed in order to continue to fabrication.
- Gather materials and cut them to dimensional tolerances.
- Assemble project, tack-weld and prep for welding.
- Weld project, inspection will follow to ensure that proper practices and procedures were applied.



Utah System of Higher Education
 Non-Destructive Testing
 FY2023 / 29 Credits (870 Clock-Hours)

Non-Destructive Testing			
Institutions: Ogden-Weber			
<i>Certificate of Program Completion (Catalog Year: 2023, 29 Credits/870 Clock-Hours Required, CIP: 15.0702)</i>			
Core (29 Credits/870 Clock-Hours)		Credits	Clock-Hours
PREF XXXX	Introduction to Non-Destructive Testing	1	30
PREF XXXX	Industrial Safety and Health	1	30
PREF XXXX	Penetrant Inspection I & II	3	90
PREF XXXX	Magnetic Particle Testing I & II	3	90
PREF XXXX	Electromagnetic Inspection I	2	60
PREF XXXX	Electromagnetic Inspection II	3	90
PREF XXXX	Ultrasound I	2	60
PREF XXXX	Ultrasound II	4	120
PREF XXXX	Radiography Inspection I	3	90
PREF XXXX	Radiography Inspection II	4	120
PREF XXXX	Radiation Safety	3	90



Utah System of Higher Education

Non-Destructive Testing

FY2023 / 29 Credits (870 Clock-Hours)

PROGRAM DESCRIPTION

The Non-Destructive Testing (NDT) program teaches the primary inspection and testing methods for a variety of materials and products. This program teaches theory and application as it pertains to detecting flaws, contamination or defects without damaging or degrading items being inspected and tested. Students gain a solid understanding of NDT principles and primary NDT testing methods. Upon successful completion of the program, students are qualified as a trainee in accordance with American Society for Nondestructive Testing (ANST) Recommended Practice No. SNT-TC-1A (Personnel Qualification and Certification in Nondestructive Testing), CP189 and NAS-410. This is the first step toward certification by an employer.

Objectives:

- Demonstrate safe practices when working in industry
- Identify the five primary NDI testing methods
- Describe the theory and physics behind each method
- Demonstrate proper use of industry equipment
- Recognize industry flaws and how they are created
- Complete required training hours

COURSE DESCRIPTIONS

Introduction to Non-Destructive Testing

1 Credit/30 Clock-Hours

The Introduction to Non-Destructive Testing course explores general applications and scope of inspection as it pertains to non-destructive inspection (NDI), how NDI methods are applied, why they are applied, and the role they play in safe operation of transportation and manufacturing equipment that affect all aspects of society. This course introduces many methods of inspection available, how they are evaluated, used, and applied in an industry setting.

Objectives:

- Describe Non-destructive inspection (NDI)
- Explain basic NDI terms
- Define material properties
- Identify risks
- Show all five (5) NDI methods.
- Explain personal protective equipment (PPE).

Industrial Safety and Health

1 Credits/30 Clock-Hours

The Industrial Safety and Health course explores basic manufacturing processes and introduce the importance of safety in the workplace. This course provides training on the general understanding of lockout/tag out procedures, operating confined spaces safely and hazardous communications. Next, this course details the importance of first aid, healthy workplace ergonomics, and appropriate lifting techniques, as well as ladder and scaffolding safety. Finally, this course provides training to meet employer expectations and requirements on the job as defined by the Occupational Safety and Health Administration (OSHA).

Objectives:

- Identify correct placement of personal protective equipment (PPE)
- Use personal protective equipment (PPE).
- Recognize the importance of safety in the workplace.
- Interpret Safety Data Sheets for all chemicals being used in class



Utah System of Higher Education

Non-Destructive Testing

FY2023 / 29 Credits (870 Clock-Hours)

- Describe lockout/tag out signage and procedures.
- Identify first aid kits, fire exits, and all safety equipment in work areas appropriately.

Penetrant Inspection I & II

3 Credits/90 Clock-Hours

The Penetrant Inspection I & II course explores the fundamentals required for qualification as a Level 1 and 2 inspectors. This course applies knowledge of the penetrant inspection method and how it's used with metals, plastics and ceramics. Next, this course uses state-of-the-art Non-Destructive Inspection (NDI) equipment to evaluate how the penetrant inspection tests work to detect defects such as cracks, surface porosity, cold shuts, shrinkage, and many other surface defects.

Objectives:

- Compare the limitations of the penetrant inspection method compared to others.
- Explore the physics of penetrant, how it enters cracks and how abnormalities are identified.
- Identify correct conditions required to perform inspections
- Define capillary action, cohesion, and adhesion.
- Identify the different types, methods, and sensitivities of dye penetrant inspection.
- Demonstrate the different methods of penetrant Inspection
- Identify defects found in various test pieces
- Discuss specifications and codes related to Penetrant inspection

Magnetic Particle Testing I & II

3 Credits/90 Clock-Hours

The Magnetic Particle Testing I & II course explores the fundamentals required for qualification as a Level 1 and 2 inspectors. This course evaluates how magnetic particle inspection works to detect surface and subsurface discontinuities in ferromagnetic materials. Next, this course details how discontinuities are formed through the process to determine if a crack or inclusion has occurred and how it will affect the service life of the part. Finally, this course uses state of the art NDI equipment to learn how the Magnetic particle inspection is used in the industry.

Objectives:

- Explore material properties and how they affect the process
- Define the physics of magnetic fields
- Demonstrate ability to safely use equipment
- Identify defects found in various test pieces
- Define hysteresis curve.
- Recognize the different methods and sensitivities of magnetic particle inspection.
- Solve algebraic equations as they pertain to magnetic particle inspection.
- Convert US units of measurement to the metric system and vice versa.

Electromagnetic Inspection I

2 Credits/60 Clock-Hours

The Electromagnetic Inspection I course explores the basic electromagnetic physics concepts and how they apply to electromagnetic inspection. This course analyzes the impedance and electromagnetic induction that occurs within the test during inspection. Next, this course details the geometry of parts and how that affects the inspection. Finally, this course uses state of the art industry Non-Destructive Inspection (NDI) equipment for hands on lab lessons and demonstration of skills achieved.

Objectives:

- Compare the strengths and limitations of electromagnet inspection to other methods
- Explore material properties and how they affect the process



Utah System of Higher Education

Non-Destructive Testing

FY2023 / 29 Credits (870 Clock-Hours)

- Demonstrate ability to safely use equipment
- Identify defects found in various test pieces
- Explain techniques used for each eddy current test completed
- Discuss specifications and codes related to electromagnetic inspection
- Recognize quality requirements for each method.

Electromagnetic Inspection II

3 Credits/90 Clock-Hours

The Electromagnetic Inspection II course explores advanced knowledge required for qualification as a Level II inspector. This course provides training on advanced electromagnetic physics concepts to analyze and interpret indications derived from inspection equipment. Next, this course explains material properties and how they affect test objects, conductivity and how it relates and acts under a stress load. Finally, this course uses state of the art industry Non-Destructive Inspection (NDI) equipment for hands on lab lessons and demonstration of skills achieved.

Objectives:

- Demonstrate ability to use advanced settings of equipment
- Explain how discontinuities form from materials processing
- Modify proper orientation of the part or equipment to obtain the best results.
- Demonstrate advanced test instruments system settings
- Explain Electromagnetic Current Testing Theory.
- Discuss specifications and codes related to Electromagnetic inspection
- Calculate formulas required for Eddy current inspection

Ultrasound Inspection I

2 Credits/60 Clock-Hours

The Ultrasound Inspection I course explores the fundamental knowledge required for qualification as a level I Inspector. This course outlines the history and theory of sound propagation through materials during inspection. Next, this course explains basic principles of acoustics. Then, this course details test instruments, how they work, and techniques used to perform inspections properly. Finally, this course uses state of the art industry Non-Destructive Inspection (NDI) equipment used for hands on lab lessons and demonstration of skills.

Objectives:

- Compare the strengths and limitations of Ultrasonic inspection to other methods
- Explore the history of ultrasonic inspection
- Explore modes of soundwave generation
- Demonstrate ability to safely use equipment
- Explain Ultrasonic theory for each method used
- Identify Industrial requirements for the ultrasonic methods.
- Explain steps and technique used in the process for each method.

Ultrasound Inspection II

4 Credits/120 Clock-Hours

The Ultrasound Inspection II course explores advanced knowledge required for qualification as a Level II inspector. This course provides training on advanced ultrasonic techniques including calibration of equipment, evaluation of weldments and discontinuity detection. Finally, this course uses state of the art industry Non-Destructive Inspection (NDI) equipment used for hands on lab lessons and demonstration of skills.

Objectives:



Utah System of Higher Education

Non-Destructive Testing

FY2023 / 29 Credits (870 Clock-Hours)

- Demonstrate ability to use advanced settings of equipment
- Explain Ultrasonic theory for each inspection/testing method.
- Discuss specifications and codes related to ultrasonic inspection.
- Explore evaluation of base-material product forms
- Identify size type and location of discontinuities
- Calculate formulas required for Ultrasonic inspection

Radiography Inspection I

3 Credits/90 Clock-Hours

The Radiography Inspection I course explores the fundamental knowledge required for qualification as a level I Inspector. This course outlines the history and discovery of radioactive materials and how they're used in industry. Next, this course details the types of radiation and how it interacts with matter, the different exposure devices and radiation sources used in the field and the risks of radiography inspection and how to stay safe. Finally, this course uses state of the art industry Non-Destructive Inspection (NDI) equipment for hands on lab lessons and demonstration of skills

Objectives:

- Demonstrate radiation safety
- Explain the principles of Radiography
- Compare the strengths and limitations of Radiographic inspection to other methods
- Explore different radiographic techniques
- Conduct hands on lab exercises on components typical in the NDI workplace

Radiography Inspection II

4 Credits/120 Clock-Hours

The Radiography Inspection II course explores advanced knowledge required for qualification as a Level II inspector. This course provides training on advanced radiographic techniques including film processing, evaluation of weldments and discontinuities related to manufacturing processes. Next, this course provides a deeper exploration of radiographic evaluation and interpretation. Finally, this course uses state of the art industry Non-Destructive Inspection (NDI) equipment for hands on lab lessons and demonstration of skills.

Objectives:

- Demonstrate competency in proper evaluation of image interpretation
- Define standards, codes and procedures for radiography
- Demonstrate proficiencies with Computed Radiography (CR) and Digital Radiographic (CR) equipment
- Explain radiographic safety principles
- Show consistent use of safety equipment / protocols
- Calculate formulas required for radiographic inspection

Radiation Safety

3 Credits/90 Clock-Hours

The Radiation Safety course explores various sources of radiation, safe and unsafe exposures to radiation, proper procedures for emergency situations, and the importance of checking for radiation leaks. This course details the four factors controlling radiation exposure and explores how distance reduces exposure, ways to identify situations which require notification of the Radiation Safety Officer (RSO) and complies with As Low As Reasonably Achievable (ALARA) concept.

Objectives:

- Use proper placement of personal monitoring devices
- Demonstrate safe monitoring



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Non-Destructive Testing

FY2023 / 29 Credits (870 Clock-Hours)

- Use safety equipment features.
- Define situations that require RSO notification.
- Identify, define, and demonstrate:
 - Radiation barrier per codes.
 - Radiation safety mathematics.
 - Safety requirements using gamma source camera.
 - NRC and agreement guidelines.



Utah System of Higher Education
Barbering
FY2023 / 25 Credits (1000 Clock-Hours)

Barbering			
Institutions: Ogden-Weber, Tooele			
<i>Certificate of Program Completion (Catalog Year: 2023, 32 Credits/1200 Clock-Hours Required, CIP: 12.0402)</i>			
Core (32 Credits/1140 Clock-Hours)		Credits	Clock-Hours
PREF XXXX	Barbering Basics I	3	90
PREF XXXX	Barber Advanced Theory and Practice	3	90
PREF XXXX	Professional Development and Industry Specific Continuing Education	3	90
PREF XXXX	Barbering Clinical I	3	135
PREF XXXX	Barbering Clinical II	3	135
PREF XXXX	Barbering Clinical III	3	135
PREF XXXX	Barbering Clinical IV	3	135
PREF XXXX	Barbering Clinical V	3	135
PREF XXXX	Barbering Clinical VI	1	55



Utah System of Higher Education

Barbering

FY2023 / 25 Credits (1000 Clock-Hours)

PROGRAM DESCRIPTION

The Barbering program is designed to prepare students for employment in a salon/barber shop.

Students in this program develop communication, professional behavior, and the core skills of working in a salon business. Students work with salon guests in a well-equipped salon and perform these skills with the newest techniques, products, and equipment in the industry. Students learn to communicate with customers, analyze hair, perform the duties of hair cutting, shaving, and facial hair design.

This program includes 1000 clock time hours of instruction as required by the State of Utah for licensure. Upon completion of the program, students are prepared to take the National Interstate Council of State Boards of Cosmetology/Barbering Licensure, and examination required for licensure.

Objectives:

- Complete 1000 clock hours.
- Perform barbering services on mannequins and public guests.
- Communicate effectively with salon guests and coworkers.
- Demonstrate communication through electronic, verbal, and written formats.
- Prepare for state board licensure examinations and licensing by the State of Utah.
- Orientation/Introduction consisting of history of barbering, science of barbering and overview of the curriculum.
- Demonstrate personal client and shop safety including aseptic techniques and sanitary procedures.
- Demonstrate proper disinfection and sterilization procedures.
- Perform essential business management functions including developing a clientele, maintaining a professional image, , developing professional associations, fostering positive public relations, and advertising
- Demonstrate an understanding of the legal issues surrounding barbering including malpractice liability, regulatory agencies, and tax laws.
- Describe diseases and disorders of the hair and scalp including bacteriology, sanitation, sterilization, decontamination and infection control.
- Demonstrate appropriate first aid.
- Define and explain the importance of anatomy, physiology, and histology to the barbering profession.
- Perform an analysis of and explain the properties of the hair and scalp.
- Explain the importance of chemistry for barbering.
- Demonstrate the safe use and maintenance of Implements, tools, and equipment used in barbering.
- Perform basic hairstyling and haircutting including draping, clipper variation scissor cutting and wet and thermal styling.
- Perform shaving, razor cutting, mustache and beard design.

COURSE DESCRIPTIONS

Barbering Basics I

3 Credit/90 Clock-Hours

This course covers barbering theory for the following subjects: Infection Control, implements tools and equipment, treatment of the hair and scalp, shaving and facial design, men's and women's haircutting and styling.

This course presents basic barbering practices including haircutting, styling, scalp treatments, shampooing and conditioning, draping, shaving, and facial hair design. Demonstrations of technical procedures and practical application of barbering skills will be performed and the responsibilities of the



Utah System of Higher Education

Barbering

FY2023 / 25 Credits (1000 Clock-Hours)

barber will be identified. Critical thinking skills will also be developed. With instructions, students will perform demonstrations and practical applications for each subject. Students will demonstrate competency through assignments, testing, and practical applications.

Objectives:

- Explain the differences between cleaning and disinfecting.
- Demonstrate proper safety and sanitation procedures.
- Demonstrate the safe cleaning and disinfecting of salon tools and implements.
- Illustrate competency in shampooing and draping, scalp treatments, haircutting and styling.
- Perform barbering skills related to men's mustache and beard design, haircutting and styling, and face shaving services.
- Demonstrate proper use of clippers, scissors, and straight blade razors.

Barber Advanced Theory and Practice

3 Credits/90 Clock-Hours

This course covers barbering theory for the following subjects: history of barbering, anatomy and physiology, principles of chemistry, principles of electricity, The skin structure, disease and disorders, properties of the hair and scalp, and men's hair replacements.

In this course, students will learn additional theory and practical applications related to barbering. Students will complete the study of first aid. The disorders and diseases related to the hair. Additionally, students will learn advanced structures of the skin to include physiology of the human body, skin electricity, and light therapy. Students will work on practical skills to improve barber related skills. Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Explain the history of barbering including modern tools and implements used by barbers today.
- Define and explain the importance of anatomy, physiology, and histology to the barbering profession.
- Describe how chemistry and electricity are important to barbering.
- Describe the various skin structure, disorders, and diseases.
- Describe the various properties and disorders of the hair and scalp.
- Describe the men's hair replacement options that pertain to the barber.
- Demonstrate skills practiced in previous courses.
- Demonstrate competencies necessary to advance to the clinical setting.
- Demonstrate and explain other theory, practical application, and procedures associated with barbering.
- Demonstrate and learn practical applications while working on course-related content.

Professional Development and Industry Specific Continuing Education 3 Credits/90 Clock-Hours

In this course, students learn additional skills to prepare to become professionals in their chosen barbering field. Students will practice life skills expected of the cosmetologist. Job expectations in the salon business, including interviewing skills will be discussed. Students will complete a professional portfolio and explore the principles of preparing for the state board exams. Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Explain the laws and rules for Utah state licensing of barber related professionals.
- Describe the process of taking and passing the state board examinations,
- Identify the principles of a cover letter, resume, and professional portfolio.
- Prepare a professional portfolio.



Utah System of Higher Education

Barbering

FY2023 / 25 Credits (1000 Clock-Hours)

- Explain how to explore the job market, research potential employers, and operate within the legal aspects of employment.
- Describe the expectations of new employees including appropriate behavior, teamwork, and aspects of developing a clientele.
- Describe the various methods salon professionals may be compensated and how to increase income by retailing.
- Discuss the necessary preparations for salon employment and management, including advertising and legal issues.
- Explain various legal issues including malpractice, liability, regulatory agencies, and tax laws.
- Evaluate various methods of developing a clientele.
- Describe various techniques of practicing and preparing for the state board exams.
- Demonstrate competencies necessary to advance to the clinical setting.

Barbering Clinical I

3 Credits/135 Clock-Hours

In this course, students will begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform barbering services on public guests.

Barbering Clinical II

3 Credits/135 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform barbering services on public guests.

Barbering Clinical III

3 Credits/135 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform barbering services on public guests.



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Barbering

FY2023 / 25 Credits (1000 Clock-Hours)

Barbering Clinical IV

3 Credits/135 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform barbering services on public guests.

Barbering Clinical V

3 Credits/135 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform barbering services on public guests.

Barbering Clinical VI

1 Credits/55 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform barbering services on public guests.



Utah System of Higher Education

Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

Cosmetology			
Institutions: Bridgerland, Davis, Mountainland, Ogden-Weber, Snow, Tooele, USU-Eastern			
<i>Certificate of Program Completion (Catalog Year: 2023, 44 Credits/1600 Clock-Hours Required, CIP: 12.0401)</i>			
Core (32 Credits/1140 Clock-Hours)		Credits	Clock-Hours
PREF XXXX	Cosmetology/Barbering/Hair Design Basics	4	120
PREF XXXX	Barbering Basics	2	60
PREF XXXX	Cosmetology/Hair Design Chemical Services Basics	3	90
PREF XXXX	Esthetics and Nails Basics	2	60
PREF XXXX	Cosmetology/Barbering Intermediate Theory and Practice	3	90
PREF XXXX	Professional Development, State Laws, and Industry Specific Continuing Education	3	90
PREF XXXX	Advanced Training and Skills	3	90
PREF XXXX	Cosmetology/Barbering Clinical I	3	135
PREF XXXX	Cosmetology/Barbering Clinical II	3	135
PREF XXXX	Cosmetology/Barbering Clinical III	3	135
PREF XXXX	Cosmetology/Barbering Clinical IV	3	135
Electives (12 Credits/460 Clock-Hours) (6 Credits of Lecture/Lab and 6 Credits of Clinical)			
Bridgerland Technical College			
PREF XXXX	Cosmetology/Hair Design/Barbering Advanced Theory and Practice	3	90
PREF XXXX	Esthetics/Nails/Chemical Advanced Theory and Practice	3	90
PREF XXXX	Cosmetology/Barbering Clinical V	3	135
PREF XXXX	Cosmetology/Barbering Clinical VI	3	145
Davis Technical College			
PREF XXXX	Advanced Cosmetology Nails	3	90
PREF XXXX	Advanced Cosmetology Esthetics	3	90
PREF XXXX	Cosmetology/Barbering Clinical V	3	135
PREF XXXX	Cosmetology/Barbering Clinical VI	3	145
Mountainland Technical College			
PREF XXXX	Advanced Training and Skills II	3	90
PREF XXXX	Advanced Training and Skills IV	3	100
PREF XXXX	Cosmetology/Barbering Clinical V	3	135
PREF XXXX	Cosmetology/Barbering Clinical VI	3	135
Ogden-Weber Technical College			
PREF XXXX	Cosmetology/Hair Design/Barbering Advanced Theory and Practice	3	90
PREF XXXX	Esthetics/Nails/Chemical Advanced Theory and Practice	3	90
PREF XXXX	Cosmetology/Barbering Clinical V	3	135
PREF XXXX	Cosmetology/Barbering Clinical VI	3	145
Snow College			
PREF XXXX	Cosmetology/Hair Design/Barbering Advanced Theory and Practice	3	90
PREF XXXX	Esthetics/Nails/Chemical Advanced Theory and Practice	3	90
PREF XXXX	Cosmetology/Barbering Clinical V	3	135
PREF XXXX	Cosmetology/Barbering Clinical VI	3	145
Tooele Technical College			
PREF XXXX	Cosmetology/Hair Design/Barbering Advanced Theory and Practice	3	90
PREF XXXX	Esthetics/Nails/Chemical Advanced Theory and Practice	3	90
PREF XXXX	Cosmetology/Barbering Clinical V	3	135
PREF XXXX	Cosmetology/Barbering Clinical VI	3	145
Utah State University			
PREF XXXX	Progressive Training and Skills II	3	90
PREF XXXX	Progressive Training and Skills III	3	90



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Cosmetology
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PREF XXXX	Cosmetology/Barbering Clinical V	3	145
PREF XXXX	Cosmetology/Barbering Clinical VI	3	135
Non-Required Electives (0 Credits/0 Clock-Hours Required)			
<i>Bridgerland Technical College</i>			
PREF XXXX	Additional Clinical Practice I	3	135
PREF XXXX	Additional Clinical Practice II	3	135
PREF XXXX	Additional Theory Practice	4	130



Utah System of Higher Education

Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

PROGRAM DESCRIPTION

The Cosmetology/Barbering program is designed to prepare students for employment in cosmetology/barbering, hair design, and skin and nail care. This program prepares students for employment in a salon and/or to open a new salon business.

Students in this program develop communication, professional behavior, and the core skills of working in a salon business. Students work with salon guests in a well-equipped salon and perform these skills with the newest techniques, products, and equipment in the industry. Students learn to communicate with customers; analyze skin, hair and nails; and perform the duties of hair cutting, coloring, styling, chemical texture services, and basic skin and nail care.

This program includes 1600 clock time hours of instruction as required by the State of Utah for licensure. Upon completion of the program, students are prepared to take the National Interstate Council of State Boards of Cosmetology/Barbering Licensure, and examination required for licensure.

Objectives:

- Complete 1600 clock hours.
- Demonstrate principles and cosmetology/barbering skills: shampooing, styling, men and women haircutting, straight razor shaving, hair extensions, chemical texture services, haircoloring, skin care, nail services, and other concepts essential to becoming a successful cosmetologist/barber.
- Demonstrate principles and practices related to nail technology skills, manicuring, pedicuring, gel, and acrylic application, manual and electric filing, polishing, client consultation and other concepts essential to becoming a successful nail technician.
- Demonstrate principles and practices related to esthetics and facial treatments.
- Explain general sciences related to cosmetology/barbering such as anatomy, infection control, hair structure, skin and nail, diseases and disorders, chemistry and electricity.
- Demonstrate salon processes and etiquette with sanitation procedures necessary for the health and safety of clients and workers.
- Perform cosmetology/barbering services on mannequins and public guests.
- Communicate effectively with salon guests and coworkers.
- Demonstrate communication through electronic, verbal, and written formats.
- Prepare for state board licensure examinations and licensing for the State of Utah.
- Obtain CPR certification.

COURSE DESCRIPTIONS

Cosmetology/Barbering/Hair Design Basics

4 Credit/120 Clock-Hours

The Cosmetology/Barbering/Hair Design Basics course presents basic cosmetology practices, demonstrations of technical procedures and practical application of cosmetology skills. Students learn the basics of infection control with safety and sanitation; properties of the hair and scalp; principles of hair design; shampooing, conditioning, draping, hair and scalp treatments, haircutting; hairstyling and to identify the responsibilities of the cosmetologist. Critical thinking skills are also be developed.

Students demonstrate competency through assignments testing and practical applications. This course is part of a required series to prepare students to take the National Interstate Council of State Boards of Cosmetology Licensure Examination (NIC test).

Objectives:

- Explain and demonstrate the differences between cleaning, disinfecting, and sterilizing salon tools, implements, and salon equipment



Utah System of Higher Education

Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

- Demonstrate competency in shampooing, draping, and scalp treatments
- Demonstrate different types of hairstyling techniques, including wet and thermal styling
- Demonstrate the basics of haircutting
- Demonstrate and explain other theory, practical application, and procedures associated with Cosmetology/Hair design basics
- Demonstrate and learn practical applications while working on course-related content

Barbering Basics

2 Credits/60 Clock-Hours

The Barbering Basics course covers barbering theory for the following subjects: history of barbering , tools and equipment, professional straight razor shaves, facial hair design, and haircutting and styling techniques for short hair. With instructions, students perform demonstrations and practical applications for each subject. Students demonstrate competency through assignments, testing and practical applications.

Objectives:

- Explain the history of barbering including modern tools and implements used by barbers today.
- Demonstrate proper safety and sanitation procedures.
- Perform barbering skills related to facial hair design, haircutting and styling for short hair, and straight razor shaving services.
- Demonstrate proper use of clippers, scissors, straight blade razors, and other barbering implements.
- Demonstrate and learn practical applications while working on course-related content.
- Demonstrate and explain other theory, practical application, and procedures associated with barbering basics.

Cosmetology/Hair Design Chemical Services Basics

3 Credits/90 Clock-Hours

The Cosmetology/Hair Design Chemical Services Basics course covers the basics of chemical services such as chemical relaxer theory and techniques, color theory and techniques, and perming theory and techniques. Students receive instructions, perform demonstrations, and perform practical applications for each of these basic cosmetology and hair design related chemical services. Theory for each subject is covered and students are required to demonstrate competency through practical application, assignments, and testing.

Objectives:

- Define the law of color, complementary colors, the color wheel, color levels, color tones, and neutralizing tones.
- Demonstrate proper mixing and application of different hair coloring and hair lightening services.
- Demonstrate chemical relaxer techniques.
- Demonstrate the different methods of permanent waving and wrapping.
- Explain the proper procedures in the application of chemicals associated with permanent waving and chemical relaxers.
- Demonstrate and learn practical applications while working on course-related content.
- Demonstrate and explain other theory, practical application, and procedures associated with chemical services.

Esthetics and Nails Basics

2 Credits/60 Clock-Hours

The Esthetics and Nail Basics course presents basic esthetic and nail service practices, theory, instruction, demonstrations of technical procedures, and practical application of cosmetology esthetic skills. Students learn hair removal, facials, and makeup procedures. Students also learn how to perform



Utah System of Higher Education

Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

manicures, pedicures, gel polishes, nail care, and nail enhancements Students demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Analyze skin including recognizing and describing various contraindications for facial and hair removal services.
- Explain facial treatments including galvanic, heat lamps, high frequency, facial packs, facial masks, limited aroma therapy, limited exfoliation.
- Demonstrate proper facial services and how to apply facial treatments.
- Describe limited exfoliation applications and techniques to include re-exfoliation, post-exfoliation consultation considerations, and chemical reactions.
- Demonstrate massage techniques for the face and neck and basic facial services.
- Demonstrate temporary hair removal techniques typically used in the salon.
- Perform or explain the procedures for artificial eyelash applications, arching of the eyebrows, and tinting of the eyelashes and eyebrows.
- Explain and demonstrate correct sanitation procedures for hand and foot nail care.
- Demonstrate proper manicure and pedicure procedures.
- Perform proper UV gel procedures.
- Describe the procedure for applying acrylic nail enhancements.
- Demonstrate and learn practical applications while working on course-related content.
- Demonstrate and explain other theory, practical application, and procedures associated with esthetics and nail basics.

Cosmetology/Barber Intermediate Theory and Practice

3 Credits/90 Clock-Hours

In the Cosmetology/Barber Intermediate Theory and Practice course, students learn additional theory and practical applications related to the skin, hair, and nails. The disorders and diseases related to the skin, hair, and nails are also be covered. Additionally, students learn structures of the skin including anatomy and physiology of the human body, basic electricity, and light therapy. Students work on practical skills to improve haircutting, hair color applications, different hair styling techniques, and additional esthetic skills. Students demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Gain knowledge about and understand the health risks associated with the cosmetology/barber profession.
- Describe the various diseases and disorders of the skin, nails, hair, and scalp.
- Demonstrate and practice skills in previous courses necessary to advance to the clinical setting.
- Demonstrate and learn practical applications while working on course-related content.
- Demonstrate and explain other theory, practical application, and procedures associated with chemical services and other cosmetology/barber related services.

Professional Development and Industry, State Laws, and Specific Continuing Education

3 Credits/90 Clock-Hours

In the Professional Development and Industry, State Laws, and Specific Continuing Education course, students learn additional skills to prepare to become a professional in their chosen cosmetology/hair design field. Students learn about the history and career opportunities in the industry. Students learn and practice life skills and understand the importance of keeping a professional image which is expected of a cosmetologist/barber. They incorporate and practice good communication skills with fellow workers, employees, and clients. They also learn how to open, run and operate their own salon business and



Utah System of Higher Education

Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

create a professional portfolio. Students are taught about the different laws and rules associated with the cosmetology/barbering related fields and prepare to take the state written and practical exams. Students demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Explain the laws and rules for Utah state licensing and malpractice procedures for cosmetology related professionals.

Describe and practice the process of taking and passing the state board examinations.

- Identify the principles of a cover letter, resume, and professional portfolio associated with seeking employment.
- Apply the importance of beauty, wellness, appearance, and physical presentation.
- Articulate the importance of communication and client consultations in the salon setting.
- Explore various options for salon ownership requirements and various compensation methods for salon professionals.
- Demonstrate competencies necessary for the clinical setting.
- Demonstrate and learn practical applications while working on manikins.
- Interpret other theory, practical application, and procedures associated with professional development.

Advanced Training and Skills

3 Credits/90 Clock-Hours

In the Advanced Training and Skills course, students receive advanced training and education in braiding, hair extensions, wigs, haircutting, hair coloring, and hair styling. This course builds on the knowledge and skills learned in the basic and intermediate courses. Students work to improve timing and skill level on services performed in the clinical setting. Additionally, students learn and practice applications of basic esthetics and advanced nail techniques.

Objectives:

- Demonstrate competencies necessary to advance to the clinical setting.
- Practice skills gained previously while improving timing and skill level.
- Demonstrate techniques of braiding, applying hair extensions and wigs.
- Illustrate skill level and time in applying nail tips, nail wraps, nail art, and other nail enhancements.
- Illustrate skill level and time in haircutting, hair coloring, and different hair styling techniques.
- Demonstrate and learn practical applications while working on manikins.

Cosmetology/Barbering Clinical I

3 Credits/135 Clock-Hours

In the Cosmetology/Barbering Clinical I course, students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.



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Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

Cosmetology/Barbering Clinical II

3 Credits/135 Clock-Hours

The Cosmetology/Barbering Clinical II course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Cosmetology/Barbering Clinical III

3 Credits/135 Clock-Hours

The Cosmetology/Barbering Clinical III course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses as they perform a variety of services on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Cosmetology/Barbering Clinical IV

3 Credits/135 Clock-Hours

The Cosmetology/Barbering Clinical IV course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

ELECTIVE COURSES

Bridgerland Technical College

Cosmetology/Hair Design/Barbering Advanced Theory and Practice

3 Credits/90 Clock-Hours

The Cosmetology/Hair Design/Barbering Advanced Theory and Practice course presents demonstrations of technical procedures and practical application of cosmetology skills. Students review infection control with safety and sanitation; properties of the hair and scalp; principles of hair design; shampooing, conditioning, draping, hair and scalp treatments; haircutting; hairstyling and to identify the responsibilities



Utah System of Higher Education

Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

of the cosmetologist. This course covers barbering theory for the following subjects: tools and equipment, men's shave, facial design, men's styling, and men's haircutting. With instructions, students perform demonstrations and practical applications for each subject. Students demonstrate competency through assignments, testing and practical applications. Critical thinking skills are also developed. Students demonstrate competency through assignments testing and practical applications.

Objectives:

- Explain the differences between cleaning and disinfecting.
- Demonstrate the safe cleaning and disinfecting of salon tools and implements.
- Illustrate competency in shampooing and draping, scalp treatments, finger waves, pin curls, roller sets, comb outs, hair styling, geometric in hair cutting, and women's hair cutting.
- Explain the history of barbering including modern tools and implements used by barbers today.
- Demonstrate proper safety and sanitation procedures.
- Perform barbering skills related to men's mustache and beard design, haircutting and styling, and face shaving services.
- Demonstrate proper use of clippers, scissors, and straight blade razors.

Esthetics/Nails/Chemical Advanced Theory and Practice

3 Credits/90 Clock-Hours

The Esthetics/Nails/Chemical Advanced Theory and Practice course presents chemical services, esthetic and nail service practices, theory, instruction, demonstrations of technical procedures, and practical application of cosmetology esthetic skills. Services such as chemical relaxers, color theory, color brand specific classes, coloring techniques, perming, and perming techniques. Students receive instructions, demonstrations, and practical application for each of these basic cosmetology/hair design chemical services. Students learn hair removal, facials and makeup procedures. Students also learn how to perform manicures, pedicures, gel Polishes, nail care and nail enhancements Students demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Define the law of color, complementary colors, the color wheel, color levels, color tones, and neutralizing tones.
- Describe and demonstrate hair coloring, lightening, and chemical relaxers techniques.
- Recall color brand-specific instructions related to mixing and applying hair color.
- Experiment with various application placement and dimensional application methods.
- Define the methods of permanent waving and wrapping.
- Demonstrate proper permanent wave procedures and wrapping methods.
- Analyze skin including recognizing and describing various contraindications for facial and hair removal services.
- Explain facial treatments including galvanic, heat lamps, high frequency, facial packs, facial masks, limited aroma therapy, limited exfoliation.
- Demonstrate proper facial services and apply facial treatments.
- Describe limited exfoliation applications and techniques to include re-exfoliation, post-exfoliation consultation considerations, and chemical reactions.
- Demonstrate massage techniques for the face and neck and basic facial services.
- Demonstrate temporary hair removal techniques typically used in the salon.
- Perform arching of the eyebrows, and tinting of the eyelashes and eyebrows.
- Explain and demonstrate correct sanitation procedures for hand and foot nail care.
- Demonstrate proper manicure and pedicure procedures.



Utah System of Higher Education

Cosmetology

FY2023 / 44 Credits (1600 Clock-Hours)

- Perform proper UV gel enhancements.
- Describe the procedure for applying acrylic nail enhancements.

Cosmetology/Barbering Clinical V

3 Credits/135 Clock-Hours

The Cosmetology/Barbering Clinical V course allows students to begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses as they perform a variety of services on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Cosmetology/Barbering Clinical VI

3 Credits/145 Clock-Hours

The Cosmetology/Barbering Clinical VI course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses as they perform a variety of services on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Davis Technical College

Advanced Cosmetology Nails

3 Credits/90 Clock-Hours

This course teaches students the procedures in Nail Technology, including advanced nail artistry techniques, advanced acrylic and gel nail enhancement application and proper safety, and infection control procedures. Students will learn how to master services such as manicuring, pedicuring, acrylic nail enhancements and UV gels.

Objectives:

- Describe various nail extension and resin systems
- Demonstrate liquid and powder nail enhancement procedures
- Demonstrate light cured gel nail enhancement procedures
- Explore current trends in nail designs and services

Advanced Cosmetology Esthetics

3 Credits/90 Clock-Hours

Students will learn and master the procedures in skin care including maintenance of healthy skin. Throughout this course, students will explore the factors that influence aging of the skin. Students will also perform and master various types of hair removal, facials, superficial peels and makeup techniques.



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Objectives:

- Describe various skin care procedures relating to cosmetology
- Demonstrate hair removal, facials, basic chemical exfoliation procedures
- Explore current trends in skin care

Cosmetology/Barbering Clinical V

3 Credits/135 Clock-Hours

In this course, students will begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Cosmetology/Barbering Clinical VI

3 Credits/145 Clock-Hours

In this course, students will continue to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Mountainland Technical College

Advanced Training and Skills II

4 Credits/120 Clock-Hours

The Advanced Training and Skill II course gives students advanced training in a class and work on skills such as: hair extensions, braiding cutting, coloring, and other hair services. This course will build on the knowledge and skills learned in previous courses. Students work to improve timing and skill level on services that are performed on the clinical floor. Students demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Demonstrate competencies necessary to advance to the clinical setting.
- Perform skills gained in previous classes while improving timing and skill level.
- Illustrate skill level and timing in haircutting, hair coloring, and different hair related techniques.
- Demonstrate and learn practical applications while working on manikins.



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FY2023 / 44 Credits (1600 Clock-Hours)

Advanced Training and Skills IV

2 Credits/70 Clock-Hours

The Advanced Training and Skills IV course covers additional testing and State Board preparation. This course also builds on the knowledge and skills learned in previous courses. Students continue working on timing and skill level for services performed in the clinical setting. Students demonstrate competency with assignments, tests, and practical skills. Students focus on all cosmetology services from previous courses.

Objectives:

- Demonstrate competencies necessary to advance to the clinical setting.
- Perform skills gained in previous classes while improving timing and skill level.
- Illustrate skills in State Board Preparation and application.
- Demonstrate competency with assignments, testing and practical applications.

Cosmetology/Barbering Clinical V

3 Credits/135 Clock-Hours

The Cosmetology/Barbering Clinical V course begins to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses as they perform a variety of services on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Cosmetology/Barbering Clinical VI

3 Credits/135 Clock-Hours

The Cosmetology/Barbering Clinical VI course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses as they perform a variety of services on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Ogden-Weber Technical College

Cosmetology/Hair Design/Barbering Advanced Theory and Practice

3 Credits/90 Clock-Hours

This course presents demonstrations of technical procedures and practical application of cosmetology skills. Students will refresh Infection Control with safety and sanitation; Properties of the Hair and Scalp; Principles of hair design; shampooing, conditioning, draping, hair and scalp treatments; haircutting; hairstyling and to identify the responsibilities of the cosmetologist. This course covers barbering theory for the following subjects: tools and equipment, men's shave, facial design, men's styling, and men's haircutting. With instructions, students will perform demonstrations and practical applications for each



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subject. Students will demonstrate competency through assignments, testing and practical applications. Critical thinking skills will also be developed. Students will demonstrate competency through assignments testing and practical applications.

Objectives:

- Explain the differences between cleaning and disinfecting.
- Demonstrate the safe cleaning and disinfecting of salon tools and implements.
- Illustrate competency in shampooing and draping, scalp treatments, finger waves, pin curls, roller sets, comb outs, hair styling, geometric in hair cutting, and women's hair cutting.
- Explain the history of barbering including modern tools and implements used by barbers today.
- Demonstrate proper safety and sanitation procedures.
- Perform barbering skills related to men's mustache and beard design, haircutting and styling, and face shaving services.
- Demonstrate proper use of clippers, scissors, and straight blade razors

Esthetics/Nails/Chemical Advanced Theory and Practice

3 Credits/90 Clock-Hours

This course presents chemical services, esthetic and nail service practices, theory, instruction, demonstrations of technical procedures, practical application of cosmetology esthetic skills. Services such as chemical relaxers, color theory, color brand specific classes, coloring techniques, perming, and perming techniques. Students will receive instructions, demonstrations, and practical application for each of these basic cosmetology/hair design chemical services. Students will learn the hair removal, facials and makeup procedures. Students will also learn how to perform manicures, pedicures, gel Polishes, nail care and nail enhancements Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Define the law of color, complementary colors, the color wheel, color levels, color tones, and neutralizing tones.
- Describe and demonstrate hair coloring, lightening, and chemical relaxers techniques.
- Recall color brand-specific instructions related to mixing and applying hair color.
- Experiment with various application placement and dimensional application methods.
- Define the methods of permanent waving and wrapping.
- Demonstrate proper permanent wave procedures and wrapping methods.
- Analyze skin including recognizing and describing various contraindications for facial and hair removal services.
- Explain facial treatments including galvanic, heat lamps, high frequency, facial packs, facial masks, limited aroma therapy, limited exfoliation.
- Demonstrate proper facial services and apply facial treatments.
- Describe limited exfoliation applications and techniques to include re-exfoliation, post-exfoliation consultation considerations, and chemical reactions.
- Demonstrate massage techniques for the face and neck and basic facial services.
- Demonstrate temporary hair removal techniques typically used in the salon.
- Perform arching of the eyebrows, and tinting of the eyelashes and eyebrows.
- Explain and demonstrate correct sanitation procedures for hand and foot nail care.
- Demonstrate proper manicure and pedicure procedures.
- Perform proper UV gel enhancements.
- Describe the procedure for applying acrylic nail enhancements.



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Cosmetology/Barbering Clinical V

3 Credits/135 Clock-Hours

In this course, students will begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Cosmetology/Barbering Clinical VI

3 Credits/145 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Snow College

Cosmetology/Hair Design/Barbering Advanced Theory and Practice

3 Credits/90 Clock-Hours

This course presents demonstrations of technical procedures and practical application of cosmetology skills. Students will refresh Infection Control with safety and sanitation; Properties of the Hair and Scalp; Principles of hair design; shampooing, conditioning, draping, hair and scalp treatments; haircutting; hairstyling and to identify the responsibilities of the cosmetologist. This course covers barbering theory for the following subjects: tools and equipment, men's shave, facial design, men's styling, and men's haircutting. With instructions, students will perform demonstrations and practical applications for each subject. Students will demonstrate competency through assignments, testing and practical applications. Critical thinking skills will also be developed. Students will demonstrate competency through assignments testing and practical applications.

Objectives:

- Explain the differences between cleaning and disinfecting.
- Demonstrate the safe cleaning and disinfecting of salon tools and implements.
- Illustrate competency in shampooing and draping, scalp treatments, finger waves, pin curls, roller sets, comb outs, hair styling, geometric in hair cutting, and women's hair cutting.
- Explain the history of barbering including modern tools and implements used by barbers today.
- Demonstrate proper safety and sanitation procedures.
- Perform barbering skills related to men's mustache and beard design, haircutting and styling, and face shaving services.



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FY2023 / 44 Credits (1600 Clock-Hours)

- Demonstrate proper use of clippers, scissors, and straight blade razors

Esthetics/Nails/Chemical Advanced Theory and Practice

3 Credits/90 Clock-Hours

This course presents chemical services, esthetic and nail service practices, theory, instruction, demonstrations of technical procedures, practical application of cosmetology esthetic skills. Services such as chemical relaxers, color theory, color brand specific classes, coloring techniques, perming, and perming techniques. Students will receive instructions, demonstrations, and practical application for each of these basic cosmetology/hair design chemical services. Students will learn the hair removal, facials and makeup procedures. Students will also learn how to perform manicures, pedicures, gel Polishes, nail care and nail enhancements Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Define the law of color, complementary colors, the color wheel, color levels, color tones, and neutralizing tones.
- Describe and demonstrate hair coloring, lightening, and chemical relaxers techniques.
- Recall color brand-specific instructions related to mixing and applying hair color.
- Experiment with various application placement and dimensional application methods.
- Define the methods of permanent waving and wrapping.
- Demonstrate proper permanent wave procedures and wrapping methods.
- Analyze skin including recognizing and describing various contraindications for facial and hair removal services.
- Explain facial treatments including galvanic, heat lamps, high frequency, facial packs, facial masks, limited aroma therapy, limited exfoliation.
- Demonstrate proper facial services and apply facial treatments.
- Describe limited exfoliation applications and techniques to include re-exfoliation, post-exfoliation consultation considerations, and chemical reactions.
- Demonstrate massage techniques for the face and neck and basic facial services.
- Demonstrate temporary hair removal techniques typically used in the salon.
- Perform arching of the eyebrows, and tinting of the eyelashes and eyebrows.
- Explain and demonstrate correct sanitation procedures for hand and foot nail care.
- Demonstrate proper manicure and pedicure procedures.
- Perform proper UV gel enhancements.
- Describe the procedure for applying acrylic nail enhancements.

Cosmetology/Barbering Clinical V

3 Credits/135 Clock-Hours

In this course, students will begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.



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Cosmetology/Barbering Clinical VI

3 Credits/145 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Tooele Technical College

Cosmetology/Hair Design/Barbering Advanced Theory and Practice

3 Credits/90 Clock-Hours

This course presents demonstrations of technical procedures and practical application of cosmetology skills. Students will refresh Infection Control with safety and sanitation; Properties of the Hair and Scalp; Principles of hair design; shampooing, conditioning, draping, hair and scalp treatments; haircutting; hairstyling and to identify the responsibilities of the cosmetologist. This course covers barbering theory for the following subjects: tools and equipment, men's shave, facial design, men's styling, and men's haircutting. With instructions, students will perform demonstrations and practical applications for each subject. Students will demonstrate competency through assignments, testing and practical applications. Critical thinking skills will also be developed. Students will demonstrate competency through assignments testing and practical applications.

Objectives:

- Explain the differences between cleaning and disinfecting.
- Demonstrate the safe cleaning and disinfecting of salon tools and implements.
- Illustrate competency in shampooing and draping, scalp treatments, finger waves, pin curls, roller sets, comb outs, hair styling, geometric in hair cutting, and women's hair cutting.
- Explain the history of barbering including modern tools and implements used by barbers today.
- Demonstrate proper safety and sanitation procedures.
- Perform barbering skills related to men's mustache and beard design, haircutting and styling, and face shaving services.
- Demonstrate proper use of clippers, scissors, and straight blade razors

Esthetics/Nails/Chemical Advanced Theory and Practice

3 Credits/90 Clock-Hours

This course presents chemical services, esthetic and nail service practices, theory, instruction, demonstrations of technical procedures, practical application of cosmetology esthetic skills. Services such as chemical relaxers, color theory, color brand specific classes, coloring techniques, perming, and perming techniques. Students will receive instructions, demonstrations, and practical application for each of these basic cosmetology/hair design chemical services. Students will learn the hair removal, facials and makeup procedures. Students will also learn how to perform manicures, pedicures, gel Polishes, nail care and nail enhancements Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:



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- Define the law of color, complementary colors, the color wheel, color levels, color tones, and neutralizing tones.
- Describe and demonstrate hair coloring, lightening, and chemical relaxers techniques.
- Recall color brand-specific instructions related to mixing and applying hair color.
- Experiment with various application placement and dimensional application methods.
- Define the methods of permanent waving and wrapping.
- Demonstrate proper permanent wave procedures and wrapping methods.
- Analyze skin including recognizing and describing various contraindications for facial and hair removal services.
- Explain facial treatments including galvanic, heat lamps, high frequency, facial packs, facial masks, limited aroma therapy, limited exfoliation.
- Demonstrate proper facial services and apply facial treatments.
- Describe limited exfoliation applications and techniques to include re-exfoliation, post-exfoliation consultation considerations, and chemical reactions.
- Demonstrate massage techniques for the face and neck and basic facial services.
- Demonstrate temporary hair removal techniques typically used in the salon.
- Perform arching of the eyebrows, and tinting of the eyelashes and eyebrows.
- Explain and demonstrate correct sanitation procedures for hand and foot nail care.
- Demonstrate proper manicure and pedicure procedures.
- Perform proper UV gel enhancements.
- Describe the procedure for applying acrylic nail enhancements.

Cosmetology/Barbering Clinical V

3 Credits/135 Clock-Hours

In this course, students will begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Cosmetology/Barbering Clinical VI

3 Credits/145 Clock-Hours

This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.



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Utah State University

Progressive Training and Skills II

3 Credits/90 Clock-Hours

This course presents students with progressive techniques for skills learned in previous courses. Advanced polishing, pedicure techniques, and electric filing procedures are explored. Additionally, advanced facial and makeup procedures are taught. Modern lash and brow implementation are introduced.

Objectives:

- Demonstrate advanced competencies necessary to progress into a salon setting. Students will be exhibiting essential skill improvement, including timing and technical ability.
- Demonstrate training with trending nail art applications, training on electric filing, and showcase advanced knowledge of basic manicures and pedicure techniques.
- Show skills with eyelash application and express introductory information to advanced lash applications.
- Perform basic facial techniques and show improvement with advanced facial techniques and manipulations.
- Perform and improve timing on skills in preparation for Utah State Board testing.

Progressive Training and Skills III

3 Credits/90 Clock-Hours

In this course, students will progress in advanced barbering/shaving techniques, including various past and current trends with skilled timing. Students also progress on advanced hairstyling, braiding, expanding, pinning, and texturized styling.

Objectives:

- Demonstrate and perform pleasing facial shaving designs on various face shapes.
- Demonstrate and perform once-over and advanced double shave procedures with close shaving techniques.
- Demonstrate and perform a variety of modern and traditional fade and tapering techniques, for shortcuts and styling.
- Demonstrate and perform advanced skills and technical ability in pinning, cushioning, and textural styling techniques.
- Perform and improve timing on skills in preparation for Utah State Board testing.

Cosmetology/Barbering Salon Clinical V

3 Credits/145 Clock-Hours

In this course, students will refine the basic core techniques necessary to develop advanced Salon Clinical performance. Timing and correct technical procedures are an essential part of this course to begin preparation for the Cosmetology/Barber State Board.

Objectives:

- Learn, practice, and demonstrate all phases of aligned Cosmetology/Barbering state curriculum concepts on live clientele.
- Practice and demonstrate work ethics, etiquette, and proper communication skills with all salon guests and teammates.
- Demonstrate proper safety and sanitization practices to promote the safety of all individuals within the work area.

Cosmetology/Barbering Salon Clinical VI

3 Credits/135 Clock-Hours

In this course, students will refine the basic core techniques necessary to develop advanced Salon Clinical performance. Timing and correct technical procedures are an essential part of this course to begin preparation for the Cosmetology/Barber State Board.



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FY2023 / 44 Credits (1600 Clock-Hours)

Objectives:

- Learn, practice, and demonstrate all phases of aligned Cosmetology/Barbering state curriculum concepts on live clientele.
- Practice and demonstrate work ethics, etiquette, and proper communication skills with all salon guests and teammates.
- Demonstrate proper safety and sanitization practices to promote the safety of all individuals within the work area.

NON-REQUIRED ELECTIVE COURSES

Bridgerland Technical College

Additional Clinical Practice I

3 Credits/135 Clock-Hours

In the Additional Clinical Practice I course, students will continue to apply the principles and techniques learned in Cosmetology/Barbering Clinical I, II, III, and IV. Students will perform a variety of advanced salon services in a real salon-like environment. Students will perform the services learned in previous courses on a variety of clients. This course will prepare students for client work and building a clientele.

Objectives:

- Demonstrate practical interviewing, retailing, and marketing skills.
- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and colleagues.
- Demonstrate proper sanitation procedures.
- Demonstrate safety and prepare to enter the Cosmetology/Barbering industry.
- Continue practical application and procedures on salon guests.

Additional Clinical Practice II

3 Credits/135 Clock-Hours

In the Additional Clinical Practice II course, students will continue to apply the principles and techniques learned in Cosmetology/Barbering Clinical I, II, III, and IV. Students perform a variety of advanced salon services in a real salon-like environment. Students perform the services learned in previous courses on a variety of clients. This course prepares students for client work and building a clientele.

Objectives:

- Demonstrate practical interviewing, retailing, and marketing skills.
- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and colleagues.
- Demonstrate proper sanitation procedures.
- Demonstrate safety and prepare to enter the Cosmetology/Barbering industry.
- Continue practical application and procedures on salon guests.

Additional Theory Practice

4 Credits/120 Clock-Hours

The Additional Theory Practice course offers students the opportunity to continue practicing advanced training, skills, and procedures. This course builds on the knowledge learned in the basic, intermediate, and advanced theory courses.

Objectives:

- Practice skills gained in previous classes while improving timing and skill level.
- Practice the fundamental skills in a full range of advanced services.
- Demonstrate and practice skills in previous courses necessary to advance to the clinical setting.
- Demonstrate and learn practical applications while working on course-related content.



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- Review safety guidelines, effective communication, professionalism, state licensing requirements, and career opportunities within the industry.
- Demonstrate and explain advanced theory, practical application, and procedures associated with advanced services.
- Demonstrate competency through assignments, testing, and practical application.



Utah System of Higher Education

Dental Assisting

FY2023 / 29 Credits (900 Clock-Hours)

Dental Assisting			
Institutions: Bridgerland, Davis, Mountainland, Ogden-Weber			
<i>Certificate of Program Completion (Catalog Year: 2023, 29 Credits/900 Clock-Hours Required, CIP: 51.0601)</i>			
Core (29 Credits/900 Clock-Hours)		Credits	Clock-Hours
PREF XXXX	Dental Assisting I (Introduction to Dental Assisting)	3	90
PREF XXXX	Dental Assisting II (Infection Control)	2	60
PREF XXXX	Dental Assisting III (Patient Information)	2	60
PREF XXXX	Dental Assisting IV (Dental Materials)	3	90
PREF XXXX	Dental Anatomy	2	60
PREF XXXX	Dental Radiology	3	90
PREF XXXX	Clinical Procedures I (Dental Instruments and Equipment)	3	90
PREF XXXX	Clinical Procedures II (Anesthesia and Pain Control)	2	60
PREF XXXX	Specialties I (Orthodontics, Pediatrics, Prosthodontics)	3	90
PREF XXXX	Specialties II (Periodontics, Endodontics, Oral Maxillofacial Surgery)	2	60
PREF XXXX	Dental Office Administration	1	30
PREF XXXX	Externship	2	90
PREF XXXX	Job Seeking Skills	1	30



Utah System of Higher Education

Dental Assisting

FY2023 / 29 Credits (900 Clock-Hours)

PROGRAM DESCRIPTION

The Dental Assisting Program is designed to prepare for employment of the professional Chairside Assistant. Students focus on the basics of dental assisting, nutrition, dental prevention, dental disease, infection control, instruments and tray setups for dental procedures, dental materials, anatomy, radiology, dental specialties, law and ethics, CPR, and a clinical experience.

Objectives:

- Correlate the knowledge of anatomy, physiology, psychology, microbiology to the roles and responsibilities of a dental assistant.
- Identify commonly used equipment, supplies, instrumentation, and medications used in the dental chairside setting.
- Apply the principles of asepsis to the dental office and its environment.
- Perform competently and safely the skills of a dental assistant.
- Use legal, moral, and ethical principles to evaluate the care of a dental patient.
- Demonstrate the professional attributes of a dental assistant.
- Pass the final exam and certifications for the dental field.

COURSE DESCRIPTIONS

Dental Assisting I (Introduction to Dental Assisting)

3 Credit/90 Clock-Hours

The Dental Assisting I (Introduction to Dental Assisting) course introduces the student to the dental assisting profession and teaches the fundamental concepts and principles necessary to fully participate as a member of the dental team.

Objectives:

- Describe the members of the dental healthcare team and their roles and responsibilities.
- Identify the landmarks of the face and the oral cavity.
- Identify arches, quadrants and planes, primary and permanent dentition.
- Identify the anatomy and surfaces of a tooth.
- Describe the three primary systems of tooth numbering for permanent and primary dentition.
- Discuss the caries process and how to control tooth decay.
- Discuss preventive dentistry and the relationship between nutrition and dental carries.
- Discuss how diet and nutrition can affect oral conditions and the functions of nutrients.

Dental Assisting II (Infection Control)

3 Credits/90 Clock-Hours

The Dental Assisting II (Infection Control) course lays out the fundamentals of oral diseases, infection control, microbiology, and safety procedures in the dental office.

Objectives:

- Identify developmental disorders of the jaws and dentition.
- Discuss viral and bacterial diseases.
- Describe the modes of disease transmission and the importance of infection control.
- Perform appropriate first aid after an exposure incident.
- Discuss the CDC's prevention guidelines and the components of an Occupational Safety and Health Administration Hazard Communication Program.
- Discuss the role of government agencies in relation to dentistry.
- Discuss the classification and methods of sterilization.
- Demonstrate properly sterilizing instruments and using the sterilization equipment.
- Discuss the history and pioneers of microbiology.



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Dental Assisting

FY2023 / 29 Credits (900 Clock-Hours)

Dental Assisting III (Patient Information)

3 Credits/90 Clock-Hours

The Dental Assisting III (Patient Information) course introduces patient records and how to obtain and organize patient information. Instruction in measuring and recording vital signs is highlighted. This course also introduces the use of dental materials in a clinical setting. The storing, mixing, transferring and applying of materials is integrated in the instruction. Finally, this course introduces lab materials and procedures; the skills necessary to take alginate impressions; pour and trim casts and fabricate mouth guards and custom trays.

Objectives:

- Explain the patient dental record and its legal significance.
- Discuss person health information and the HIPAA laws.
- Obtain a completed medical-dental health history for a new patient.
- Enter information in a patient's chart for completed dental treatment.
- Demonstrate taking a patient's vital signs.
- Describe techniques used for patient's assessments.
- Demonstrate computerized charting.

Dental Assisting IV (Dental Materials)

3 Credits/90 Clock-Hours

The Dental Assisting IV (Dental Materials) course introduces the use of dental materials in a clinical setting. Storing, mixing, transferring and applying of materials is integrated in the instruction. Finally, this course introduces lab materials and procedures; the skills necessary to take alginate impressions; pour and trim casts; and fabricate mouth guards and custom trays.

- List the properties of dental materials, how to manipulate them, and how they affect their application.
- Assist with applying cavity liners, sealers, varnishes, and desensitizers.
- List the three types of impressions taken in a dental office: preliminary, study casts, and occlusal registrations.
- Trim and finish a set of dental models and construct a vacuum-formed custom tray.
- List three types of custom impression trays and describe their uses in dentistry.

Dental Anatomy

2 Credits/60 Clock-Hours

The Dental Anatomy course lays out the fundamentals of dental terminology. This course provides a basic overview of the anatomy and physiology of the human body, with an emphasis on head and neck anatomy.

Objectives:

- Identify and describe the four levels of organization in the human body.
- Locate the major systems of the body; explain their purposes, components, and functions: and describe the signs and symptoms of each of their common disorders.
- Explain why understanding dental anatomy and physiology is important to the dental assistant.
- Identify the regions of the head.
- Locate and identify the bones of the skull.
- Discuss the symptoms of temporomandibular joint disorders.
- Identify locations of the muscles, salivary glands, blood vessels and nerves of the head and neck.

Dental Radiology

3 Credits/90 Clock-Hours

The Dental Radiology course introduces the student to the basic safety and use of radiation in a dental setting. Students are given the knowledge and skills to expose and process intraoral and extraoral radiographic images including the various techniques used for each. The necessary skills and knowledge required to earn the Utah State Radiation Health and Safety certificate, that is necessary for employment as a dental assistant, are taught as well.



Utah System of Higher Education

Dental Assisting

FY2023 / 29 Credits (900 Clock-Hours)

Objectives:

- Discuss the discovery of x-radiation and pioneers in the history of dental radiography.
- Discuss radiation physics and explain how x-rays are produced.
- Define what radiation safety measures should be used when exposing radiographs.
- Demonstrate the proper infection control protocol while exposing radiographs.
- Demonstrate a working knowledge of radiation safety measures.
- Describe uses of different dental imaging systems.

Clinical Procedures I (Dental Instruments and Equipment)

3 Credits/90 Clock-Hours

The Clinical Procedures I (Dental Instruments and Equipment) course identifies the proper use of instruments and equipment at the chair, and how to treat a medical emergency should one occur in the dental office. This course also explores a basic knowledge of the use of anesthesia and sedation in dentistry. An understanding of patient treatment procedures and pain control in the dental office is discussed.

Objectives:

- Describe areas of dental environment in a professional office.
- List clinical equipment and the basic functions.
- Describe how to prepare the treatment area for a patient.
- Explain instruments and how they are transferred.
- Discuss the role of the dental assistant in caring for the special patient.
- Describe the major medical disorders that can affect a patient's oral health.
- Describe the preventive measures taken for a medical emergency.
- List the responsibilities of a dental assistant in an emergency and documentation.

Clinical Procedures II (Anesthesia and Pain Control)

2 Credits/60 Clock-Hours

The Clinical Procedures II (Anesthesia and Pain Control) course explores a basic knowledge of the use of anesthesia and sedation in dentistry. An understanding of patient treatment procedures and pain control in the dental office is also discussed.

Objectives:

- Discuss dispensing of drugs, DEA, parts of a prescription and use of a PDR.
- Describe negative and positive effects of drug use.
- Discuss importance of pain control in dentistry.
- Describe processes and principles of cavity preps and classes of restorations and the need for pins, or intermediate restorative materials.
- Describe the use of matrix systems and different types that are used in dentistry.

Specialties I (Orthodontics, Pediatrics, Prosthodontics)

3 Credits/90 Clock-Hours

The Specialties I (Orthodontics, Pediatrics, Prosthodontics) course introduces the clinical concepts and basic skills related to the different specialties in the dental field and how their treatment is individual for each one. Types of orthodontic treatment, removable and fixed prosthodontics, pediatric dentistry are also discussed.

Objective:

- List indications and contraindications for fixed and removable prosthesis.
- Identify the role of the dental laboratory technician in dentistry.
- Describe steps when using a CAD/CAM system in the office.
- Discuss types of pediatric dental trauma and how to handle suspected abuse and neglect.
- List the causes and habits of patients that can affect their dental occlusion.
- Explain the role of an orthodontist assistant and the environment of the orthodontic practice.



Utah System of Higher Education

Dental Assisting

FY2023 / 29 Credits (900 Clock-Hours)

Specialties II (Periodontics, Endodontics, Oral Maxillofacial Surgery) 2 Credits/60 Clock-Hours

The Specialties II (Periodontics, Endodontics, Oral Maxillofacial Surgery) course continues the study of clinical concepts and basic skills related to dental specialties including, endodontics, and oral maxillofacial surgery procedures.

Objectives:

- Define each specialty and the instruments and materials that are used in each one.
- Demonstrate competence in performing specialty procedures.
- Describe dental implants, their components, and indications and contraindications to using them.
- Define oral pathology and identify the assistant's role in this specialty.
- Assist in procedures from all of the specialties.

Dental Office Administration 1 Credit/30 Clock-Hours

The Dental Office Administration course provides the necessary knowledge and skills required in the dental office setting, and office administrative duties. Students learn about communication, law and ethics, job skills and many factors associated with making career decisions that can enhance a dental assistant's growth and success.

Objectives:

- Demonstrate knowledge of the law and ethics pertaining to the practice of dentistry.
- Demonstrate knowledge of the Health Insurance Portability and Accountability Act (HIPAA) of 1996 as it pertains to the practice of dentistry.
- Demonstrate knowledge regarding communication (verbal and nonverbal) in the dental office and Maslow's hierarchy of needs.
- Identify office stress and demonstrate how to resolve conflicts.
- Identify the dental office staff and areas of responsibility.
- Describe proper dental records management.
- Describe basic payroll systems in the dental office.

Externship 2 Credits/90 Clock-Hours

The Externship course presents the opportunity to practice skills acquired in dental assisting at a working dental office or clinic under the supervision of a licensed dentist.

Objectives:

- Demonstrate professionalism in a workplace setting.
- Practice competency by applying skills learned in a workplace setting.

Job Seeking Skills 1 Credits/30 Clock-Hours

The Job Seeking Skills course provides the knowledge and skills necessary to get and keep a job in the dental field.

Objectives:

- Prepare a resume in preparation for employment as a professional dental assistant.
- Successfully complete a mock interview for a job as a dental assistant.



Utah System of Higher Education

Hair Design

FY2023 / 33 Credits (1200 Clock-Hours)

Hair Design			
Institutions: Davis, Mountainland			
<i>Certificate of Program Completion (Catalog Year: 2023, 33 Credits/1200 Clock-Hours Required, CIP: 12.0407)</i>			
Core (24 Credits/900 Clock-Hours)		Credits	Clock-Hours
PREF XXXX	Cosmetology/Barbering/Hair Design Basics	4	120
PREF XXXX	Barbering Basics	2	60
PREF XXXX	Cosmetology/Hair Design Chemical Services Basics	3	90
PREF XXXX	Professional Development, State Laws, and Industry Specific Continuing Education	3	90
PREF XXXX	Cosmetology/Hair Design Clinical I	3	135
PREF XXXX	Cosmetology/Hair Design Clinical II	3	135
PREF XXXX	Cosmetology/Hair Design Clinical III	3	135
PREF XXXX	Cosmetology/Hair Design Clinical IV	3	135
Electives (9 Credits/300 Clock-Hours) (7 Credits of Lecture/Lab and 2 Credits of Clinical)			
<i>Davis Technical College</i>			
PREF XXXX	Hair Design Intermediate Theory and Practice	3	90
PREF XXXX	Hair Design Advanced Training and Skills	3	90
PREF XXXX	Salon Preparation	1	30
PREF XXXX	Cosmetology/Hair Design Clinical V	2	90
<i>Mountainland Technical College</i>			
PREF XXXX	Advanced Training and Skills II	3	90
PREF XXXX	Advanced Training and Skills III	3	90
PREF XXXX	Advanced Training and Skills IV	1	30
PREF XXXX	Cosmetology/Hair Design Clinical VII	2	90



Utah System of Higher Education

Hair Design

FY2023 / 33 Credits (1200 Clock-Hours)

PROGRAM DESCRIPTION

The Hair Design program is designed to prepare students to enter the world of hair design. Students can secure employment in a salon and/or prepare to open a new salon business.

Students will develop communication, professional behavior, and the core skills of working in a salon business. Students will work with salon guests in a well-equipped salon and will perform these skills with the newest techniques, products and equipment in the industry. Students learn to communicate with customers, analyze hair, perform the duties of hair cutting, coloring, styling, and chemical texture services.

This program includes 1200 clock time hours of instruction required by the State of Utah for licensure. Students are prepared to take the National Interstate Council of State Boards of Cosmetology/Barbering Licensure, and examination required for licensure.

Objectives:

- Complete 1200 clock hours
- Demonstrate principles and cosmetology/barbering skills; shampooing, styling, men and women haircutting, straight razor shaving, hair extensions, chemical texture services, haircoloring, skin care, nail services, and other concepts essential to becoming a successful cosmetologist/barber.
- Explain general sciences, related to cosmetology/barbering such as anatomy, infection control, hair structure, diseases and disorders, chemistry and electricity.
- Demonstrate salon processes and etiquette with sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology/barbering services on Mannequins and public guests
- Communicate effectively with salon guests and coworkers.
- Demonstrates Communication through electronic, verbal and written formats.
- Prepare for state board licensure examinations and licensing for the State of Utah
- Obtain CPR certification

COURSE DESCRIPTIONS

Cosmetology/Barbering/Hair Design Basics

4 Credit/120 Clock-Hours

The Cosmetology/Barbering/Hair Design Basics course presents basic cosmetology practices, demonstrations of technical procedures and practical application of cosmetology skills. Students learn the basics of infection control with safety and sanitation; properties of the hair and scalp; principles of hair design; shampooing, conditioning, draping, hair and scalp treatments, haircutting; hairstyling and to identify the responsibilities of the cosmetologist. Critical thinking skills are also be developed.

Students demonstrate competency through assignments testing and practical applications. This course is part of a required series to prepare students to take the National Interstate Council of State Boards of Cosmetology Licensure Examination (NIC test).

Objectives:

- Explain and demonstrate the differences between cleaning, disinfecting, and sterilizing salon tools, implements, and salon equipment
- Demonstrate competency in shampooing, draping, and scalp treatments
- Demonstrate different types of hairstyling techniques, including wet and thermal styling
- Demonstrate the basics of haircutting
- Demonstrate and explain other theory, practical application, and procedures associated with Cosmetology/Hair design basics
- Demonstrate and learn practical applications while working on course-related content



Utah System of Higher Education

Hair Design

FY2023 / 33 Credits (1200 Clock-Hours)

Barbering Basics

2 Credits/60 Clock-Hours

The Barbering Basics course covers barbering theory for the following subjects: history of barbering, tools and equipment, professional straight razor shaves, facial hair design, and haircutting and styling techniques for short hair. With instructions, students perform demonstrations and practical applications for each subject. Students demonstrate competency through assignments, testing and practical applications.

Objectives:

- Explain the history of barbering including modern tools and implements used by barbers today.
- Demonstrate proper safety and sanitation procedures.
- Perform barbering skills related to facial hair design, haircutting and styling for short hair, and straight razor shaving services.
- Demonstrate proper use of clippers, scissors, straight blade razors, and other barbering implements.
- Demonstrate and learn practical applications while working on course-related content.
- Demonstrate and explain other theory, practical application, and procedures associated with barbering basics.

Cosmetology/Hair Design Chemical Services Basics

3 Credits/90 Clock-Hours

The Cosmetology/Hair Design Chemical Services Basics course covers the basics of chemical services such as chemical relaxer theory and techniques, color theory and techniques, and perming theory and techniques. Students receive instructions, perform demonstrations, and perform practical applications for each of these basic cosmetology and hair design related chemical services. Theory for each subject is covered and students are required to demonstrate competency through practical application, assignments, and testing.

Objectives:

- Define the law of color, complementary colors, the color wheel, color levels, color tones, and neutralizing tones.
- Demonstrate proper mixing and application of different hair coloring and hair lightening services.
- Demonstrate chemical relaxer techniques.
- Demonstrate the different methods of permanent waving and wrapping.
- Explain the proper procedures in the application of chemicals associated with permanent waving and chemical relaxers.
- Demonstrate and learn practical applications while working on course-related content.
- Demonstrate and explain other theory, practical application, and procedures associated with chemical services.

Professional Development and Industry, State Laws, and Specific Continuing Education

3 Credits/90 Clock-Hours

In the Professional Development and Industry, State Laws, and Specific Continuing Education course, students learn additional skills to prepare to become a professional in their chosen cosmetology/hair design field. Students learn about the history and career opportunities in the industry. Students learn and practice life skills and understand the importance of keeping a professional image which is expected of a cosmetologist/barber. They incorporate and practice good communication skills with fellow workers, employees, and clients. They also learn how to open, run and operate their own salon business and create a professional portfolio. Students are taught about the different laws and rules associated with the cosmetology/barbering related fields and prepare to take the state written and practical exams. Students demonstrate competency with assignments, tests, and practical skills.

Objectives:



Utah System of Higher Education

Hair Design

FY2023 / 33 Credits (1200 Clock-Hours)

- Explain the laws and rules for Utah state licensing and malpractice procedures for cosmetology related professionals.

Describe and practice the process of taking and passing the state board examinations.

- Identify the principles of a cover letter, resume, and professional portfolio associated with seeking employment.
- Apply the importance of beauty, wellness, appearance, and physical presentation.
- Articulate the importance of communication and client consultations in the salon setting.
- Explore various options for salon ownership requirements and various compensation methods for salon professionals.
- Demonstrate competencies necessary for the clinical setting.
- Demonstrate and learn practical applications while working on manikins.
- Interpret other theory, practical application, and procedures associated with professional development.

Cosmetology/Hair Design Clinical I

3 Credits/135 Clock-Hours

In the Cosmetology/Hair Design Clinical I course, students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Hair Design clinical floor.
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Cosmetology/Hair Design Clinical II

3 Credits/135 Clock-Hours

In the Cosmetology/Hair Design Clinical I course, students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Hair Design clinical floor.

Cosmetology/Hair Design Clinical III

3 Credits/135 Clock-Hours

In the Cosmetology/Hair Design Clinical I course, students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses on clients. This course helps prepare students for client work and building a clientele.



Utah System of Higher Education

Hair Design

FY2023 / 33 Credits (1200 Clock-Hours)

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Hair Design clinical floor.

Cosmetology/Hair Design Clinical IV

3 Credits/135 Clock-Hours

In the Cosmetology/Hair Design Clinical I course, students begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students perform the services learned in previous courses on clients. This course helps prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon processes and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Hair Design clinical floor.

NON-ALIGNED COURSE DESCRIPTIONS

Davis Technical College

Hair Design Intermediate Theory and Practice

3 Credits/90 Clock-Hours

In the Hair Design Intermediate Theory and Practice course, students will learn additional theory and practical applications related to hair. The disorders and diseases related to the hair and scalp will also be covered. Additionally, students will learn anatomy and physiology of the human body, and basic electricity. Students will work on practical skills to improve haircutting, hair color applications, and different hair styling techniques. Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Gain a knowledge and understand the health risks associated with the hair design profession.
- Describe the various diseases and disorders of the hair and scalp.
- Demonstrate and practice skills in previous courses necessary to advance to the clinical setting.
- Demonstrate and learn practical applications while working on course-related content.
- Demonstrate and explain other theory, practical application, and procedures associated with chemical services and other hair design related services.

Hair Design Advanced Training and Skills

3 Credits/90 Clock-Hours

In the Hair Design Advanced Training and Skills course, students will receive advanced training and education in braiding, hair extensions, wigs, haircutting, hair coloring, and hair styling. This course will build on the knowledge and skills learned in previous courses. Students will work to improve timing and skill level on services performed in the clinical setting.

Objectives:

- Practice skills gained in previous classes while improving timing and skill level.



Utah System of Higher Education

Hair Design

FY2023 / 33 Credits (1200 Clock-Hours)

- Demonstrate techniques of braiding, applying hair extensions and wigs.
- Illustrate skill level and time in haircutting, hair coloring, and different hair styling techniques.
- Demonstrate and learn practical applications while working on manikins.

Salon Floor Preparation

1 Credits/30 Clock-Hours

Salon Preparation is constructed to prepare you to work in the salon floor environment. You will study additional information and services designed to prepare you for the workplace. You will combine the previous practical skills you developed in the classroom and will build a solid foundation to begin working with paying clients.

Objectives:

- Demonstrate salon process and etiquette.
- Learn how to communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on manikins and partners.
- Demonstrate other theory, practical application, and procedures learned in previous courses.

Cosmetology/Barbering Clinical V

2 Credits/90 Clock-Hours

In the Cosmetology/Barbering Clinical V course, students will begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform hair design services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Barbering clinical floor.

Mountainland Technical College

Advanced Training and Skills II

4 Credits/120 Clock-Hours

In the Advanced Training and Skills II course, students will receive advanced training in a class and work on skills such as: hair extensions, braiding cutting, coloring, and other hair services. This course will build on the knowledge and skills learned in previous courses. Students will work to improve timing and skill level on services that are performed on the clinical floor. Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Demonstrate competencies necessary to advance to the clinical setting.
- Perform skills gained in previous classes while improving timing and skill level.
- Illustrate skill level and timing in haircutting, hair coloring, and different hair related techniques.
- Demonstrate and learn practical applications while working on manikins.

Advanced Training and Skills III

3 Credits/90 Clock-Hours

In the Advanced Training and Skills III course, students will receive additional training and guest artist. This course will also focus on preparing for a Job with advanced communication and interviewing skills. This course will build on the knowledge and skills learned in previous courses. Students will continue to improve timing and skill level on services performed on the clinical setting. Students will demonstrate competency with assignments, tests, and practical skills



Utah System of Higher Education

Hair Design

FY2023 / 33 Credits (1200 Clock-Hours)

Objectives:

- Demonstrate competencies necessary to advance to the clinical setting.
- Perform skills gained in previous classes while improving timing and skill level.
- Illustrate skills in communication and interviewing for employment.
- Demonstrate and competency with assignments, testing and practical applications.

Advanced Training and Skills IV

1 Credits/30 Clock-Hours

In the Advanced Training and Skills IV course, students will receive additional training and classes. This course will build on the knowledge and skills learned in previous courses. Students will continue to improve timing and skill level on services performed in the clinical setting. Students will demonstrate competency with assignments, tests, and practical skills.

Objectives:

- Demonstrate competencies necessary to advance to the clinical setting.
- Perform skills gained in previous classes while improving timing and skill level.
- Demonstrate and competency with assignments, testing and practical applications.

Cosmetology/Hair Design Clinical V

2 Credits/90 Clock-Hours

In the Advanced Training and Skills V course, students will begin to provide salon services in the clinical setting. This course provides practical experience and learning in a real salon setting. Students will perform the services learned in previous courses as they perform a variety of services on clients. This course will help prepare students for client work and building a clientele.

Objectives:

- Demonstrate salon process and etiquette.
- Communicate effectively with salon guests and coworkers.
- Demonstrate sanitation procedures necessary for the health & safety of clients and self.
- Perform cosmetology services on public guests.
- Demonstrate other theory, practical application, and procedures associated with Cosmetology/Hair Design clinical floor.



Utah System of Higher Education

Master Esthetician

FY2023 / 32 Credits (1200 Clock-Hours)

Master Esthetician			
Institutions: Bridgerland, Davis			
<i>Certificate of Program Completion (Catalog Year: 2023, 32 Credits/1200 Clock-Hours Required, CIP: 12.0409)</i>			
Core (32 Credits/1200 Clock-Hours)		Credits	Clock-Hours
PREF XXXX	Foundations	1	30
PREF XXXX	Basic Theory I	4	120
PREF XXXX	Basic Theory II	4	120
PREF XXXX	Basic Clinical I	3	135
PREF XXXX	Basic Clinical II	3	135
PREF XXXX	Basic Clinical III	1	60
PREF XXXX	Master Theory I	2	60
PREF XXXX	Master Theory II	4	120
PREF XXXX	Master Theory III	4	120
PREF XXXX	Master Clinical I	3	135
PREF XXXX	Master Clinical II	3	165
Non-Required Electives (0 Credits/0 Clock-Hours Required)			
<i>Bridgerland Technical College</i>			
PREF XXXX	Additional Clinical Practice I	3	135
PREF XXXX	Additional Clinical Practice II	3	135
PREF XXXX	Additional Theory Practice	4	120
<i>Davis Technical College</i>			
PREF XXXX	Esthetics Clinical Practice I	1	45
PREF XXXX	Lash Extension Course	1	30
PREF XXXX	Advanced Waxing	1	30



Utah System of Higher Education

Master Esthetician

FY2023 / 32 Credits (1200 Clock-Hours)

PROGRAM DESCRIPTION

The Master Esthetics program prepares students to enter the world of skin care, and natural nail care by teaching the required skills for success in one of the fastest growing fields in the beauty industry. Students develop communication skills, professional behavior, and the core skills of working in, or building a spa business. Students work with spa guests in a modern, well-equipped spa with the newest techniques, products and equipment in the industry. This program offers education in facials, manicures, pedicures, skin care massage, chemical peels, microdermabrasion, ultrasonic facials, LED light facials, microcurrent facials, advanced hair removal, advanced makeup, body treatments. Students build upon skills and develop more specific training in advanced facial techniques, and laser treatments. At the end of the program, students are qualified to take the Utah State Master Esthetician Licensing Exams.

Objectives:

- Demonstrate basic and master esthetic skills such as: communication skills, professional behavior, facials, manicures, and pedicures, advanced facial techniques, skin care massage, chemical peels, microdermabrasion, ultrasonic facials, LED light facials, microcurrent facials, advanced hair removal, advanced makeup, body treatments, and advanced laser treatments.
- Explain general sciences related to Esthetics such as anatomy, infection control, skin structure, skin diseases and disorders, chemistry and electricity.
- Demonstrate spa processes and etiquette with proper sanitation procedures necessary for the health and safety of spa guests and self.
- Perform esthetic services on manikins and spa guests.
- Communicate effectively with spa guests and colleagues.
- Demonstrate communication skills through electronic, verbal, and written formats.
- Prepare for the state board licensure exam.

COURSE DESCRIPTIONS

Foundations

1 Credit/30 Clock-Hours

The Foundations course prepares students to enter the world of skin care, and natural nail care, by teaching the required skills for success in a competitive industry.

Objectives:

- Demonstrate communication skills and professional behavior.
- Develop the core skills of working in or building a spa business.

Basic Theory I

4 Credits/120 Clock-Hours

The Basic Theory I course introduces the basic procedures of skin care. This includes an understanding of the basic structure, composition of the skin, and maintenance of healthy skin. Students demonstrate and explain theory and practical application procedures associated with the basic needs of the skin.

Objectives:

- Identify the factors that influence aging of the skin.
- Recognize which skin disorders can be treated in the spa and which should be referred to a physician.
- Demonstrate proper setup, cleaning, and disinfection during treatments.
- Perform various types of basic esthetic services.
- Demonstrate and explain basic theory, practical application, and procedures associated with basic skin care.
- Demonstrate and learn practical applications while working on course related content.
- Demonstrate competency through assignments, testing, and practical application.



Utah System of Higher Education

Master Esthetician

FY2023 / 32 Credits (1200 Clock-Hours)

Basic Theory II

4 Credits/120 Clock-Hours

The Basic Theory II course introduces advanced topics, treatments, and nutritional effects of the skin. This includes basic hands-on techniques. Students demonstrate and explain theory and practical application procedures associated with the basic needs of the skin.

Objectives:

- Demonstrate essential business skills.
- Communicate effectively with spa guests.
- Comprehend the importance of meeting industry standards of quality, professionalism, efficiency, sanitation, and safety in preparation for entering the esthetician industry.
- Demonstrate and explain basic theory, practical application, and procedures associated with basic skin care.
- Demonstrate and learn practical applications while working on course related content.
- Demonstrate competency through assignments, testing, and practical application.

Basic Clinical I

3 Credits/135 Clock-Hours

The Basic Clinical I course applies the principles and practices learned in the Basic Theory I and II. Students begin to provide spa services in a clinical setting. Students provide a variety of services to spa guests and models.

Objectives:

- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.
- Demonstrate sanitation procedures.
- Safety and preparation for entering the Esthetic industry.

Basic Clinical II

3 Credits/135 Clock-Hours

The Basic Clinical II course applies the principles and practices learned in the Basic Theory I and II. Students perform a variety of services on spa guests. This course prepares students for client work and building a clientele.

Objectives:

- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.
- Demonstrate sanitation procedures.
- Learn safety and preparation for entering the Esthetic industry.
- Continue practical application and procedures for spa guests.

Basic Clinical III

1 Credits/60 Clock-Hours

The Basic Clinical III course applies the principles and practices learned in the Basic Theory I and II. Students perform a variety of services on guests in a spa-like setting.

Objectives:

- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.
- Demonstrate sanitation procedures.
- Practice safety and prepare for entering the Esthetic industry.
- Continue practical application and procedures for spa guests.



Utah System of Higher Education

Master Esthetician

FY2023 / 32 Credits (1200 Clock-Hours)

Master Theory I

4 Credits/120 Clock-Hours

The Master Theory I course covers advanced procedures in skin care including the advanced structure and composition of the skin and how to maintain healthy skin. Students demonstrate and explain theory and practical application procedures associated with the advanced needs of the skin.

Objectives:

- Identify factors that influence aging of the skin.
- Recognize which skin disorders can be treated in the spa and which disorders should be referred to a physician.
- Practice the fundamental skills in advanced services.
- Review safety guidelines, effective communication, professionalism, state licensing requirements, and career opportunities within the industry.
- Demonstrate and explain advanced theory, practical application, and procedures associated with advanced skin care.
- Demonstrate and learn practical applications while working on course related content.
- Demonstrate competency through assignments, testing, and practical application.

Master Theory II

4 Credits/120 Clock-Hours

The Master Theory II course offers the opportunity to continue practicing the fundamental skills in advanced procedures and how to maintain healthy skin. Students demonstrate and explain theory and practical application procedures associated with the advanced needs of the skin.

Objectives:

- Explore Advanced treatments behind laser technology and laser safety.
- Demonstrate specific functions and uses of various hand pieces, as well as skin typing.
- Perform hands-on training for a full range of advanced esthetic procedures.
- Recognize which skin disorders can be treated in the spa and which disorders should be referred to a physician.
- Practice the fundamental skills in advanced services.
- Review safety guidelines, effective communication, professionalism, state licensing requirements, and career opportunities within the industry.
- Demonstrate and explain advanced theory, practical application, and procedures associated with advanced skin care.
- Demonstrate and learn practical applications while working on course related content.
- Demonstrate competency through assignments, testing, and practical application.

Master Theory III

4 Credits/120 Clock-Hours

The Master Theory III course offers the opportunity to continue practicing the advanced skills and procedures. Students demonstrate and explain theory and practical application procedures associated with the advanced needs of the skin.

Objectives:

- Demonstrate specific functions and uses of various hand pieces, as well as skin typing.
- Perform hands-on training for a full range of advanced esthetic procedures.
- Recognize which skin disorders can be treated in the spa and which disorders should be referred to a physician.
- Practice the fundamental skills in advanced services.
- Review safety guidelines, effective communication, professionalism, state licensing requirements, and career opportunities within the industry.
- Demonstrate and explain advanced theory, practical application, and procedures associated with advanced skin care.



Utah System of Higher Education

Master Esthetician

FY2023 / 32 Credits (1200 Clock-Hours)

- Demonstrate and learn practical applications while working on course related content.
- Demonstrate competency through assignments, testing, and practical application.

Master Clinical I

3 Credits/135 Clock-Hours

In the Master Clinical I course students apply the principles and practices learned in Master Theory I II, and III. Students begin to perform a variety of advanced esthetic services.

Objectives:

- Demonstrate practical interviewing, retailing, and marketing skills.
- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.
- Demonstrate proper sanitation procedures.
- Demonstrate safety and prepare to enter the esthetic industry.
- Continue practical application and procedures on spa guests.

Master Clinical II

3 Credits/165 Clock-Hours

In the Master Clinical II course students apply the principles and practices learned in Master Theory I II, and III. Students perform a variety of advanced esthetic services.

Objectives:

- Demonstrate practical interviewing, retailing, and marketing skills.
- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.
- Demonstrate proper sanitation procedures.
- Demonstrate safety and prepare to enter the esthetic industry.
- Continue practical application and procedures on spa guests

NON-REQUIRED ELECTIVE COURSE DESCRIPTIONS

Bridgerland Technical College

Advanced Clinical Practice I

3 Credits/135 Clock-Hours

In the Advanced Clinical Practice I course, students continue to apply the principles and techniques learned in Master Clinical I, II, and III. Students perform a variety of advanced esthetic services.

Objectives:

- Demonstrate practical interviewing, retailing, and marketing skills.
- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.
- Demonstrate proper sanitation procedures.
- Demonstrate safety and prepare to enter the esthetic industry.
- Continue practical application and procedures on spa guests.

Advanced Clinical Practice II

3 Credits/135 Clock-Hours

In the Advanced Clinical Practice II course, students continue to apply the principles and techniques learned in Master Clinical I, II, and III. Students perform a variety of advanced esthetic services.

Objectives:

- Demonstrate practical interviewing, retailing, and marketing skills.
- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.



Utah System of Higher Education

Master Esthetician

FY2023 / 32 Credits (1200 Clock-Hours)

- Demonstrate proper sanitation procedures.
- Demonstrate safety and prepare to enter the esthetic industry.
- Continue practical application and procedures on spa guests.

Advanced Theory Practice

4 Credits/120 Clock-Hours

The Advanced Theory Practice course offers the opportunity to continue practicing the advanced skills and procedures. Students demonstrate and explain theory and practical application procedures associated with the advanced needs of the skin.

Objectives:

- Demonstrate specific functions and uses of various hand pieces, as well as skin typing.
- Perform hands-on training for a full range of advanced esthetic procedures.
- Recognize which skin disorders can be treated in the spa and which disorders should be referred to a physician.
- Practice the fundamental skills in advanced services.
- Review safety guidelines, effective communication, professionalism, state licensing requirements, and career opportunities within the industry.
- Demonstrate and explain advanced theory, practical application, and procedures associated with advanced skin care.
- Demonstrate and learn practical applications while working on course related content.
- Demonstrate competency through assignments, testing, and practical application.

Davis Technical College

Esthetics Clinical Practice I

1 Credits/45 Clock-Hours

In the esthetician clinicals, students apply the principles and practices learned in the Esthetician I and II courses as students perform a variety of services on clients in the cosmetology salon. The clinical will help prepare students to pass the State of Utah licensure exams.

Objectives:

- Demonstrate practical interviewing, retailing, and marketing skills.
- Demonstrate spa processes and etiquette.
- Communicate effectively with spa guests and colleagues.
- Demonstrate proper sanitation procedures.
- Demonstrate safety and prepare to enter the esthetic industry.
- Continue practical application and procedures on spa guests.

Lash Extension Course

1 Credits/30 Clock-Hours

This course prepares students to apply semi-permanent lashes.

Objectives:

- Demonstrate proper sanitation for lash extension application.
- Demonstrate proper lash extension application.
- Demonstrate proper removal of lash extensions.
- Demonstrate proper fill of lash extension application.

Advanced Waxing

1 Credits/30 Clock-Hours

In this course, students learn to apply principles and practices learned in Basic Esthetics I, II, & III and Master Esthetics I, II, & III.

Objectives:



Utah System of Higher Education

Master Esthetician

FY2023 / 32 Credits (1200 Clock-Hours)

- Continue to build on basic waxing techniques.
- Demonstrate proper sanitation for hair removal.
- Demonstrate proper application of waxing techniques.
- Demonstrate proper removal of waxing techniques.