

## COURSE EQUIVALENCIES UCDH

The intent of providing the following information below is to assist you in selecting the proper prerequisite coursework. UCDH does not offer the required prerequisite courses listed below, which is why the list has been provided. Refer to the chart below for UCDH's course equivalency information.

If you have attended any colleges or taken any courses that are not listed below, please refer to the UCDH portion with the corresponding course description to give yourself a comparison to courses you have taken. If you are uncertain if the courses you have taken will satisfy our requirements, a petition can be submitted. Information for petitions can be found on the UCDH prerequisite page.

Any prerequisite courses selected should be introductory in nature. These types of courses often have words in the title that describe them as fundamental, introductory, essential, general, basic, or foundations/foundational. These courses are also college level and are usually a level 100 or higher or a level 1000 or higher. Remedial courses are not accepted.

Current as of 11/05/2019. Information subject to change without notice.

<b>Minimum Credit Hrs</b>	<b><u>Science Prerequisite Courses</u></b>
3	Chemistry (with or without lab)
3	Human Nutrition
4	Microbiology (with or without lab)
8	Anatomy & Physiology (with or without lab) ( <i>4 credit hours each, totaling 8 credit hours</i> )
	<b><u>OR</u></b>
	Anatomy and Physiology I & II (with or without lab) <i>4 credit hours each, totaling 8 credit hours</i> )
	<b><u>General Education Prerequisites</u></b>
3	English I
3	Oral Communication (Speech)
3	Sociology
3	Psychology
3	College Level Mathematics

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## ANATOMY

Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Anatomy & Physiology I	HTHS 1110 LS	4	<p><b>COURSE:</b> Focus on the structure and function of the human body. Course module topics include: the atomic and molecular levels of organization, cell biology, and metabolism, microbiology, and the integumentary, skeletal and muscular systems.</p> <p><b>INTEGRATED LAB:</b> data analysis, hands-on activities, activities utilizing cadaver specimens, &amp; interactive digital cadaver technology.</p>
Weber State University	Anatomy & Physiology II	HTHS 1111	4	<p><b>COURSE:</b> Focus on the structure and function of the human body. Course module topics include: the nervous, endocrine, cardiovascular (blood), cardiovascular (heart and blood vessels) respiratory, digestive, urinary, and reproductive systems.</p> <p><b>INTEGRATED LAB:</b> data analysis, hands-on activities, activities utilizing cadaver specimens, &amp; interactive digital cadaver technology.</p>
Weber State University	Human Anatomy	ZOOL 2100	4	<p><b>COURSE:</b> Systematic study of the organs of the human body with cadaver-based laboratory.</p>
Dixie State University	Human Anatomy	2320	3	<p><b>COURSE:</b> Examines the structures of the human body, including muscles, nerves, blood supply, bones, lymph, internal organs, and reproductive anatomy.</p> <p><b>INTEGRATED LAB:</b> Lab examinations of cadavers and physical and virtual models.</p>
Dixie State University	Human Anatomy Lab	2325	2	<p><b>LAB:</b> Includes cadaver study</p>
Brigham Young University	Human Anatomy with Lab	PDBIO 220	4	<p>Rigorous, in-depth coverage of the structure and function of the human body. Gross and microscopic anatomy of all major organ systems with their associated organs and tissues. Fundamental physiology concepts in each system are also introduced. Lab instruction includes prosected human cadavers.</p>

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Utah Valley University	Human Anatomy	2320	3	<b>COURSE:</b> Studies, in-depth, the anatomy of the human body. Covers the structure and some functions at the cellular, tissue, organ, and system levels. Emphasizes the names, locations, and functions of body components. Involves problem solving and analytical thinking.
Utah Valley University	Human Anatomy Lab	2325	1	<b>LAB:</b> Studies, in-depth, the anatomy of the human body. Covers the structure and some functions at the cellular, tissue, organ, and system levels. Emphasizes the names, locations, and functions of body components. Involves problem solving and analytical thinking. Includes weekly laboratory study of human cadavers, models, and specimens.
UCDH	Not Applicable	Not Applicable	3	<b>COURSE:</b> An in-depth study and focus on the structures and anatomy associated with the human body. Includes problem solving along with critical and analytical thinking related to human anatomy. Topics covered include all major human anatomical systems. These include cellular (cell biology, atomic and molecular organization, cell metabolism and microbiology) tissues (muscle, epithelial, connective, and nervous), and other systems/organs such as muscular, skeletal, nervous, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive.
UCDH	Not Applicable	Not Applicable	1	<b>LAB:</b> An in-depth study of the anatomy (organs & systems) of the human body with names, locations, and functions of areas studied within the human body. Laboratory studies can be based upon physical cadaver study, virtual or interactive digital cadaver technology, or through the use of other anatomical models or cadaver specimens.

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## PHYSIOLOGY

Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Anatomy & Physiology I	1110 LS	4	<b>COURSE:</b> Focus on the structure and function of the human body. Course module topics include: the atomic and molecular levels of organization, cell biology, and metabolism, microbiology, and the integumentary, skeletal and muscular systems. <b>INTEGRATED LAB:</b> data analysis, hands-on activities, activities utilizing cadaver specimens, & interactive digital cadaver technology.
Weber State University	Anatomy & Physiology II	HTHS 1111	4	<b>COURSE:</b> Focus on the structure and function of the human body. Course module topics include: the nervous, endocrine, cardiovascular (blood), cardiovascular (heart and blood vessels) respiratory, digestive, urinary, and reproductive systems. <b>INTEGRATED LAB:</b> data analysis, hands-on activities, activities utilizing cadaver specimens, & interactive digital cadaver technology.
Weber State University	Human Physiology	ZOOL 2200 LS	4	<b>COURSE:</b> Functional consideration of the human body. Recommended for all curricula for which a basic understanding of body functions is required. Three lecture hours <b>and two lab hours</b> a week. (Integrated lab)
Dixie State University	Human Physiology	2420	3	<b>COURSE:</b> Examines how the body's functions are carried out utilizing a systems approach, including blood chemistry, nerve impulse transmission, kidney function, muscle contraction, and heart function. Sufficient familiarity with the details of biological functions to enable them to understand disease processes, treatment procedures, research pursuits, and evolutionary consequences of various aspects of physiology. <b>INTEGRATED LAB:</b> No
Dixie State University	Human Physiology Lab	2425	1	<b>LAB:</b> Understand the overall processes of the major body systems: integument, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, reproductive, and urinary. Explains the level of coordination between systems and factors which support homeostasis. Remember biologic and medical vocabulary. Apply the specific knowledge gained in the course to clinical cases.
Brigham Young University	Human Physiology	PDBIO 305	4	Students will demonstrate the proper use of physiology terminology. Students will demonstrate a well-integrated and comprehensive understanding of the human body in health and disease. Students will use knowledge of cells and organ systems to solve problems

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				related to the function of the human body. Students will demonstrate the necessary knowledge and skills in physiology that are required for their majors and future aspirations for graduate and professional school. Students will develop and demonstrate in their daily lives a deeper appreciation and respect for the human body. Students will demonstrate the knowledge to make informed personal (medical, ethical, and political) decisions regarding physiological concepts.
<b>Utah Valley University</b>	Human Physiology	ZOOL 2420	3	<b>COURSE:</b> Studies the functions of the human body at the cellular, chemical, organ, and system levels. Explains control mechanisms involved in homeostasis and stimulus/response pathways. Involves problem solving and analytical thinking. Includes weekly laboratory.
<b>Utah Valley University</b>	Human Physiology Lab	ZOOL 2425	1	<b>LAB:</b> Covers topics that include the scientific method, scientific data presentation, diffusion and osmosis, enzymatic function, buffers, neurotransmission, skeletal and cardiac muscle physiology, hematology, respiratory physiology.
<b>UCDH</b>	Not Applicable	Not Applicable	3	<b>COURSE</b> Explains control mechanisms involved in homeostasis and stimulus/response pathways. Involves problem solving and analytical thinking. Examines blood chemistry, nerve impulse transmission, kidney function. Teaches biological functions to understand disease processes, treatment procedures, research pursuits, and evolutionary consequences of various aspects of physiology. Course topics on the functions of the human body need to include the atomic and molecular levels of organization, cell biology, metabolism, microbiology, and the integumentary, skeletal, muscular systems, chemical systems, organ systems, nervous, endocrine, cardiovascular (blood), cardiovascular (heart and blood vessels) respiratory, digestive, urinary, and reproductive systems.
<b>UCDH</b>	Not Applicable	Not Applicable	1	<b>LAB:</b> Covers topics that include the scientific method, scientific data presentation, diffusion and osmosis, enzymatic function, buffers, neurotransmission, skeletal and cardiac muscle physiology, hematology, respiratory physiology. Understand the overall processes of the major body systems: integument, nervous, endocrine, lymphatic, respiratory, digestive, reproductive, and urinary. Explains the level of coordination between systems and factors which support homeostasis. Remember biologic and medical vocabulary.

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## MICROBIOLOGY

Location	Course Name	Course Call Number	Credit Hours	Course Description
<b>Weber State University</b>	Introductory Microbiology	MICR 1113	3	An overview of how microorganisms are used as model systems to study biology, genetics, metabolism, and ecology; how microorganisms play an integral role in disease and how microbial and immunological methods are used to treat and prevent disease; why microorganisms are found inhabiting a wide range of ecological habitats; how microorganisms play a vital role in biotechnology, fermentation, medicine and other industries important to human well-being; and how microorganisms play an indispensable role in element cycles, biodegradation, and other aspects of the environment.
<b>Dixie State University</b>	General Microbiology	BIOL 3450	3	Emphasizes relationships between microbes and their ecosystems, and biotechnological applications including food production, spoilage and preservation, fermentation, technology, agriculture, waste disposal, water lecture/discussion. Successful completion of course gives understanding of importance of microbes to biological communities. Students will understand microbiology, structure and function of prokaryotic cells, prokaryotic cells survive and reproduce, information exchange within and between prokaryotic cells and virus structure, genetics and reproduction / diversity.
<b>Dixie State University</b>	General Microbiology Lab	BIOL 3455	1	Provides basic and applied methodologies, including isolation of commercially useful strains and production and purification of industrial products
<b>Dixie State University</b>	Principles of Microbiology	BIOL 2060	3	For health science, pre-pharmacy and other allied health professionals who need an understanding of microbiology. Focuses on essentials of microbiology, including disease control, nomenclature, function of immune system, pathologies, causes and cures, and laboratory methods for safely studying microorganisms. Successful completion of the course gives students an understanding of microbes and their relationship to the human system and health. The material of this course is presented in an advanced manner. Relevant background of basic biology is assumed.

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<b>Dixie State University</b>	Principles of Microbiology Lab	BIOL 2065	1	Lab portion of BIOL 2060, stressing safety; sterile technique; methods of staining; preparing, culturing and transferring microorganisms; and identification of an unknown. Students will be able to learn about the people who have made important contributions to the understanding of microbiology, learn the structure and function of prokaryotic cells, learn how prokaryotic cells survived and reproduce, learn about information exchange within and between prokaryotic cells and virus structure, genetics, reproduction and diversity.
<b>Brigham Young University</b>	Introduction to Microbiology	MMBIO 151	4	Principles of prokaryotic biology emphasizing cell structure, function, and metabolism. Introduction to bacterial genetics, microbial diversity, and microbial ecology.
<b>Utah Valley University</b>	Microbiology for Health Professions	MICR 2060	3	Studies the history of microbiology. Explores bacterial, fungal, parasitic, and viral diseases and their cause. Discusses the classification, physiology, genetics and physical and chemical control of microbes. Emphasizes clinical applications. Is designed for those planning a career in the health professions such as nursing, dental hygiene, medicine, pharmacy, and dentistry. Includes weekly laboratory as a corequisite.
<b>Utah Valley University</b>	Microbiology for Health Professions Laboratory	MICRO 2065	1	<b>LAB:</b> Studies the history of microbiology. Explores bacterial, fungal, parasitic and viral disease and their causes. Discusses the classification, physiology, genetics and physical and chemical control of microbes. Emphasizes clinical applications. Is designed for those planning a career in the health professions such as nursing, dental hygiene, medicine, pharmacy, and dentistry.
<b>UCDH</b>	Not Applicable	Not Applicable	3	<b>COURSE:</b> Provides an overview of how microorganisms are used as model systems to study biology, genetics, metabolism, and ecology; how microorganisms play an integral role in disease, human health systems, and how microbial and immunological methods are used to treat and prevent disease, including disease control. Study of fermentation. Study of bacterial, fungal, parasitic and viral diseases.
<b>UCDH</b>	Not Applicable	Not Applicable	1	<b>LAB:</b> Studies the history of microbiology and important contributions to the understanding of microbiology. Learns about prokaryotic cells, virus structures, genetics, reproduction, diversity, classifications, physical and chemical control of microbes. May include isolation of commercially useful strains, production and purification of industrial products.

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## CHEMISTRY

Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Introduction to general, Organic and Biochemistry	CHEM 1050	5	An introduction to general, organic and biochemistry designed primarily for students of nursing and other majors that require no more than one semester of chemistry.
Weber State University	Elementary Chemistry	CHEM 1110	5	Fundamentals of inorganic chemistry and intro to organic chemistry. The first course in a two-semester sequence designed primarily for students of nursing, engineering technology and some other fields of science and health professions who require no more than one year of chem.
Dixie State University	Elementary General/Organic Chemistry	CHEM 1110	4	Students will be able to explain and apply the major principles/vocabulary of general and organic chemistry, including the relationships between chemicals and life, use the periodic table to predict the behavior of elements, compounds and atoms. Apply basic skills such as balancing chemical equations, drawing Lewis dot structures and predicting the results of radioactive decay. Discuss basic chemical reactions, organic functional groups in larger molecules, and prediction products of basic chemical reactions.
Brigham Young University	Introductory General Chemistry	CHEM 101	3	Atomic and molecular structure, periodic relationships, states of matter, chemical reactions and stoichiometry, acids and bases. Students will be able to make qualitative and/or quantitative predictions regarding a number of chemical concepts including chemical reactions and stoichiometry, calorimetry, osmosis, gases, acid/base chemistry, chemical equilibria, and radioactivity.
Utah Valley University	Elementary Chemistry For the Health Sciences	CHEM 1110	4	Introduces the fundamentals of chemistry to students in the health sciences. Covers chemical measurements and calculations, atomic structure, chemical bonding, chemical reactions, states of matter, solutions, chemical equilibrium, acid-base systems, and introduces organic chemistry.
UCDH	Not Applicable	Not Applicable	3	<b>COURSE:</b> Introductory/general/fundamental/basic/elementary concepts of inorganic, organic, general and biochemistry. Including the relationships between chemicals and life, use of the periodic table to predict the behavior of elements, compounds and



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				atoms. Basic skills such as balancing chemical equations. Basic/introductory of: chemical reactions, organic functional groups in larger molecules, chemical measurements and calculations, atomic structure, chemical bonding, chemical reactions, states of matter, solutions, chemical equilibrium, and acid-base systems.
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### NUTRITION

Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Science and Application of Human Nutrition	NUTR 1020	3	Human nutrition is the platform to study the nature and integration of science across disciplines and in society through applied problem solving and data analysis. Nutritional balance and good health are explored in context of the levels of organization, metabolism and homeostasis, genetics and evolution and ecological interactions.
Dixie State University	Sci foundations of Nutrition	FSHD 1020	3	Various periods during the life cycle-infancy, childhood, adolescence, pregnancy and the later years – and their specific nutrient needs will be analyzed as well as the basic nutrients and how they are absorbed and used by the body. Other areas of focus will include nutrition or athletes, eating disorders, weight control, and food safety. Includes lecture, multi-media, applied nutrition group activities, guest lecturers and computer analysis of personal diet.
Brigham Young University	Essentials of Human Nutrition	NDFS 100	3	Food-oriented study of nutritional facts and principles as a basis for dietary choices; consequences of choices; scientifically examining controversial topics. Apply the scientific method to identify and interpret credible nutrition information. Identify, interpret, and apply nutrition information. Identify functions of nutrients and their major food sources.
Utah Valley University	Foundations of Human Nutrition	NUTR 1020	3	Considers basic principles of human nutrition. Studies factors that influence nutritive requirements and maintenance of nutritional balance. Examines relationships between proper nutrition and social, mental, and physical well-being.
UCDH	Similar to what is above	Similar to what is above	3	<b>COURSE:</b> Human nutrition is the platform to study the nature and integration of science across disciplines and various periods of life. It studies human nutrition in society through applied problem solving and data analysis to evaluate social, mental and physical well-being. Analyzing basic nutrients and basic principles of nutrition for maintenance of nutritional balance and how nutrients, such as lipids, carbohydrates and proteins, are absorbed and used by the body.

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### PSYCHOLOGY

Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Introductory Psychology	PSY 1010	3	Introduction to the scientific study of human behavior
Dixie State University	General Psychology	PSY 1010	3	Includes the study of learning, motivation, emotion, personality, mental disorders, treatment alternatives and other related subjects as part of the course. Critical thinking will be explored in examining these aspects of behaviors.
Brigham Young University	Introduction to Psychological Science	PSYCH 111	3	Basic course in modern scientific psychology. Demonstrate a broad knowledge of the basic theoretical perspectives that guide psychological inquiry. Apply psychological principles to personal and social issues and problems. Understand the basic research methods used in psychology, including classical and current experiments.
Utah Valley University	General Psychology	PSY 1010	3	An introductory course in modern scientific psychology. Covers major domains of scientific psychology including biological foundations, sensations, perception, learning, motivation, human development and abnormal psychology. Examines major psychological and professional applications.
UCDH	Not Applicable	Not Applicable	3	<b>COURSE:</b> An introductory course to psychology. Covers major domains of scientific psychology including biological foundations, sensations, perception, learning, motivation, social changes, human development and abnormal psychology. Learning how to interpret and collect data with the scientific method using critical thinking to examine behavior.

### SOCIOLOGY

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Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Introduction to Sociology	SOC 1010	3	An introduction to the study of sociology through the concepts and principles used to understand and evaluate society. It focuses on all aspects of society: culture; social interaction; institutions; group process; deviance and social control; stratification, diversity and inequality based on race, ethnicity, class, gender etc and social stability and change.
Dixie State University	Social Problems	SOC 1020	3	Studies contemporary social issues dealing with crime, sexuality, drug abuse, violence and families in addition to larger social problems such as war, poverty, race and ethnic relations, population and the environment through lectures, guest speakers, film, writing assignments and exams.
Dixie State University	Introduction to Sociology	SOC 1010	3	Teaches what sociology is, what a sociologist does, and how sociology is applied. Including the study of cultures, socialization, stratification, religion, families, organizations and social change.
Brigham Young University	Introductory Sociology	SOC 111	3	Social group influence; social interaction, processes, organization, and change; family, religion, government, population, culture, race relations.
Utah Valley University	Introduction to Sociology	SOC 1010	3	Studies and compares social groups and institutions and their inter-relationships. Includes culture, socialization, deviance, stratification, race, ethnicity, social change and collective behavior.
UCDH	Not Applicable	Not Applicable	3	<b>COURSE:</b> An introduction to the study of sociology through the concepts and principles used to understand and evaluate society. Focuses on all aspects of society: culture; social interaction; institutions; group process; deviance and social control; stratification, poverty, war, violence, religion, families, drug abuse, crime, diversity and inequality based on race, ethnicity, class, gender etc and social stability and change.

ENGLISH

## COURSE EQUIVALENCIES UCDH

Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Introductory College Writing	ENGL 1010	3	Students will learn practices of successful academic writing. Students will focus on writing process, writing for specific audiences, collaboration with peers, and on the interrelationship between reading and writing
Weber State University	Intermediate College Writing	ENGL 2010	3	This course will focus on writing arguments, conducting research and documenting sources. Students will continue to learn practices of successful academic writing including the writing process, writing or specific audiences and collaboration with peers.
Dixie State University	Intro to Writing	ENGL 1010	3	Designed to improve students' abilities to read, analyze and with expository papers. Provides opportunities to write and revise several essays. Activities, library research, portfolios, writing to a style guide and tests used.
Dixie State University	Intermediate Writing	ENGL 2010	3	Students will demonstrate competence in use of standard written English, in analyzing texts in correctly paraphrasing, summarizing and quoting source material and appropriately citing the work of others.
Brigham Young University	Writing and Rhetoric	WRTG 150	3	Processes of writing, reading, and research with an emphasis on argumentation and rhetorical analysis.
Utah Valley University	College Writing I	ENGL 1010	3	Teaches rhetorical KNOWLEDGE AND SKILLS, FOCUSING ON CRITICAL READING, WRITING AND THINKING. Introduces writing for specific academic audiences and situations. Emphasizes writing as a process through multiple drafts and revisions. May be delivered hybrid and or/online.
UCDH	Not Applicable	Not Applicable	3	<b>COURSE:</b> Learn practices of successful academic writing, including the process of drafts, paraphrasing, peer review, analyzing papers, and revisions. Students will focus on writing process, writing for specific audiences, and on the interrelationship between reading and writing.

## PUBLIC SPEAKING

## COURSE EQUIVALENCIES UCDH

Location	Course Name	Course Call Number	Credit Hours	Course Description
Weber State University	Principles of Public Speaking	COMM 1020	3	Introduces theories and principles of effective speaking with emphasis on audience analysis and adaptation, listening, organization, content development, use of language and extemporaneous delivery. Designed to improve the student's ability to research, organize, develop and make presentations.
Weber State University	Interpersonal and Small Group Communication	COMM 2110	3	Explores the dynamics of verbal and nonverbal communication in personal relationships and small groups. The emphasis is on practical application of course content to enhance interpersonal relationships and to achieve competence as group members.
Dixie State University	Interpersonal Communication	COMM 2110	3	Focuses on communication skills in a wide range of interpersonal areas appropriate to business or personal relationships and involving initiating, developing, maintain, and controlling the deterioration of relationships, with emphasis on listening, assertiveness, supportive climates, conflict, power management, and disclosure. Introduces the special needs of intercultural communication and prepares students to effectively express ideas in on-to-one settings.
Brigham Young University	Public Speaking	STDEV 150	3	Principles and methods of public speaking; speaking experiences. Know how to speak publicly so your audience will really listen and understand. Be able to produce and employ effective visual aids in your presentations. Manage speech anxiety and effective use nonverbal communication to inform, persuade, enlighten, and impact your audience. Construct and deliver effective extemporaneous public speeches. Develop analytical, listening, and observation skills.
Utah Valley University	Public Speaking	COMM 1020	3	Introduces basic concepts, theories, principles or oral communication as applied to a variety of speaking situations. Develops competence in oral communication through performance, the development of critical thinking skills, arrangement of ideas, and use of evidence and reasoning to support claims. Explains how culture influences what is considered effective public speaking. May be delivered online.
UCDH	Not Applicable	Not Applicable	3	<b>COURSE:</b> Introduces basic concepts, theories, principles of oral and intercultural communication as applied to a variety of speaking situations (verbal and nonverbal). Develops competency in oral communication through performance, use of language,

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				organization, content development, listening, the development of critical thinking skills, arrangement of ideas, public speaking, and use of evidence and reasoning to support claims. Emphasis on interpersonal relationships. The intent of Public Speaking is to determine if the applicant has organized and delivered speeches in a public setting to a group of individuals. Individuals seeking to petition the course should be prepared to include an attestation or documentation of the number of speeches they have delivered in a public delivery/setting.
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### MATH

Location	Course Name	Course Call Number	Credit Hours	Course Description
<b>Weber State University</b>	Intermediate Algebra	MATH 1010	4	Inequalities including absolute value and systems, systems of equations, applications, functions, inverse, exponential and logarithmic, variation, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms.
<b>Dixie State University</b>	Introduction to Statistics	MATH 1040	3	Fulfills gen math requirements. Intro to basic concepts and methods used in statistical data analysis, includes descriptive statistics, sampling and inferential methods while emphasizing problem solving and critical thinking. Data comparison such as t-tests, ANOVA, stat crunch is used to perform statistical calculations, organize and analyze data and construct graphs.
<b>Dixie State University</b>	College Algebra/Pre Cal	MATH 1050	4	Fulfills General Education Mathematics requirement for students majoring in Business, Elementary Education, Health Sciences, Science, and other majors. Reviews fundamental algebra; explores polynomial and rational functions; introduces exponential and logarithmic functions and applications; trigonometric functions dealing with graphs, identities, and equations, including inverse functions. Required for Utah Level 2 and Level 3 Math Endorsements. Satisfies prerequisites for Math 1060, Math 1100, Math 1210 (together with Math 1060), and Math 2010, as well as the Mathematics prerequisite for Biol 3150 and Chem 1210.

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<b>Brigham Young University</b>	College Algebra	MATH 110	3	Functions, polynomials, theory of equations, exponential and logarithmic functions, matrices, systems of linear equations, permutations, combinations, binomial theorem.
<b>Utah Valley University</b>	Quantitative Reasoning	MATH 1030	3	Teaches how to communicate, interpret, and analyze quantitative information found in the media and in everyday life to make sound personal, professional, and civic decisions. May be delivered online.
<b>Utah Valley University</b>	Quantitative Reasoning with Intermediate Algebra	MATH 1035	3	Teaches students to communicate, interpret, and analyze quantitative information found in the media and in everyday life to make sound personal, professional, and civic decisions. Provides the necessary algebraic content taught in context.
<b>Utah Valley University</b>	Intro to Statistics with Algebra	MATH 1045	3	A quantitative literacy course with a statistical theme. Includes descriptive statistics, sampling, and inferential methods. Emphasizes problem solving and critical thinking. Supplements material in introductory statistics with selected topics from algebra, such as lines, roots, fractions, decimals, etc., when appropriate.
<b>UCDH</b>	Not Applicable	Not Applicable	3	<b>COURSE:</b> Inequalities including absolute value and systems, systems of equations, applications, functions, inverse, exponential and logarithmic, variation, factoring, rational expressions, radicals, complex numbers, quadratic equations, parabolas, circles, quadratic formula, formulas, properties and applications of logarithms. Intro to basic concepts and methods used in statistical data analysis, includes descriptive statistics, sampling and inferential methods while emphasizing problem solving and critical thinking. Data comparison such as t-tests, ANOVA, stat crunch is used to perform statistical calculations, organize and analyze data and construct graphs.