

# University Studies Depth Education Requirements

## University Studies Objectives: The Citizen Scholar

The mission of undergraduate education at Utah State University is to help students develop intellectually, personally, and culturally, so that they may serve the people of Utah, the nation, and the world. USU prepares citizen-scholars who participate and lead in local, regional, national, and global communities. University Studies is an integral part of every student's experience—in both lower-division and upper-division courses. A solid University Studies foundation, combined with concentrated study in a major discipline and interdisciplinary studies, provides the breadth and depth of knowledge qualifying USU graduates as educated citizens.

The University Studies program is intended to help students learn how to learn—not just for the present, but also for the future. No individual can master all, or even a small portion, of society's knowledge, but students can learn the basic patterns used to obtain and organize information, enabling them to discover or recover knowledge. University Studies involves a series of interrelated educational experiences which stimulate and assist students in becoming self-reliant scholars and individuals. The ultimate objective is for general and discipline-specific education to complement each other in helping students to:

1. understand processes of acquiring knowledge and information;
2. reason logically, critically, creatively, and independently, and be able to address problems in a broad context;
3. recognize different ways of thinking, creating, expressing, and communicating through a variety of media;
4. understand diversity in value systems and cultures in an interdependent world; and
5. develop a capacity for self-assessment and lifelong learning.

By introducing ideas and issues in human thought and experience, University Studies courses help students achieve the intellectual integration and awareness needed to meet the challenges they will face in their personal, social, and professional lives. University Studies courses emphasize how knowledge is achieved and applied in different domains. Collectively, they provide a foundation and perspective for:

1. understanding the nature, history, and methods of the arts and humanities, as well as the natural and physical sciences;
2. understanding the cultural, historical, and natural contexts shaping the human experience; and
3. interpreting the important cultural, socio-economic, scientific, and technological issues of the diverse global community in which we live.

A university education prepares students to work and live meaningfully in today's rapidly changing global society. Together, general and discipline-specific education help students master the essential competencies making this goal possible. These competencies include:

1. reading, listening, and viewing for comprehension;
2. communicating effectively for various purposes and audiences;
3. understanding and applying mathematics and other quantitative reasoning techniques;

4. using various technologies competently; and
5. working effectively, both collaboratively and individually.

## University Studies Components

The University Studies program, along with study in the major, is designed to assist students in achieving the Citizen Scholar Objectives. The program consists of two sets of requirements: General Education Requirements and Depth Education Requirements.

## University Studies Depth Education Requirements

Beyond the General Education requirements, all students who receive a bachelor's degree must complete two Communications Intensive, one Quantitative Intensive, and 2 credits minimum in *each* of two of the three depth categories.

### Communications Intensive (CI) (2 courses)

For most students, courses taken for the major will meet this requirement.

<b>ADVS 4200 (CI)</b> Physiology of Reproduction and Lactation .....	4
<b>ADVS 4920 (CI)</b> Undergraduate Seminar .....	2
<b>ADVS 5700 (CI)</b> General Animal Pathobiology .....	3
<b>ANTH 2030 (CI/BSS)</b> World Archaeology .....	3
(formerly ANTH 1030 CI/BSS)	
<b>ANTH 3130 (CI)</b> Peoples of Latin America.....	3
<b>ANTH 3200 (CI/DSS)</b> Perspectives on Race .....	3
<b>ANTH 3310 (CI)</b> Introduction to Museum Studies.....	3
<b>ANTH 4120 (CI/DSS)</b> Anthropology of Childhood.....	3
<b>ARTH 3110 (CI/DHA)</b> Ancient Near East.....	3
<b>ARTH 4610 (CI)</b> Greek and Roman Art.....	3
<b>ARTH 4720 (CI)</b> Renaissance Art .....	3
<b>ASTE 3050 (CI)</b> Technical and Professional Communication	
Principles in Agriculture .....	3
<b>ASTE 3240 (CI)</b> Teaching in Laboratory Settings.....	3
<b>ASTE 4150 (CI)</b> Methods of Teaching Agriculture.....	3
<b>ASTE 5260 (CI)</b> Environmental Impacts of Agricultural Systems.....	3
<b>AV 4610 (CI)</b> AeroTechnology Design II .....	3
<b>AV 4620 (CI)</b> AeroTechnology Design III .....	3
<b>AV 4660 (CI)</b> Flight Senior Project .....	3
<b>BA 4070 (CI)</b> Retail Management .....	3
<b>BIE 4880 (CI)</b> Biological Engineering Design II.....	3
<b>BIE 4890 (CI)</b> Biological Engineering Design III.....	3
<b>BIOL 3010 (CI/DSC)</b> Evolution.....	3
<b>BIOL 3100 (CI)</b> Bioethics .....	3
<b>BIOL 4060 (CI)</b> Exploring Animal Behavior .....	3
<b>BIOL 5250 (CI)</b> Evolutionary Biology .....	3
<b>BIOL 5420 (CI)</b> Forest and Shade Tree Pathology .....	3
<b>BUS 4880 (CI)</b> Business Strategy .....	3
<b>CEE 3870 (CI)</b> Professional/Technical Writing in	
Civil and Environmental Engineering .....	2
<b>CEE 4790 (CI)</b> Environmental Engineering Design II.....	2
<b>CEE 4870 (CI)</b> Civil Engineering Design II.....	2
<b>CEE 4880 (CI)</b> Civil Engineering Design III.....	2
<b>CEE 4890 (CI)</b> Environmental Engineering Design III.....	2
<b>CHEM 3080 (CI)</b> Physical Chemistry Laboratory I.....	1
<b>CHEM 3090 (CI)</b> Physical Chemistry Laboratory II.....	1

# University Studies Depth Education Requirements

<b>CHEM 4800 (CI)</b> Research Problems .....	1-3	<b>GERM 3510 (CI)</b> Business German .....	3
<b>CHEM 4890 (CI)</b> Undergraduate Biochemistry Seminar I .....	1	<b>GERM 3540 (CI)</b> Techniques in Translating German Texts .....	3
<b>CHEM 4891 (CI)</b> Undergraduate Biochemistry Seminar II .....	1	<b>HEP 3600 (CI)</b> Introduction to Community Health .....	3
<b>CHEM 4990 (CI)</b> Undergraduate Seminar .....	2	<b>HEP 5000 (CI)</b> Race, Culture, Class, and Gender Issues in Health .....	3
<b>COMD 2910 (CI)</b> Sign Language I .....	4	<b>HEP 5100 (CI)</b> Cultural and Complementary Medicine .....	3
<b>COMD 3650 (CI)</b> Clinical Processes and Behavior .....	2	<b>HIST 3110 (CI/DHA)</b> Ancient Near East .....	3
<b>COMD 4100 (CI)</b> Clinical Practicum in Speech-Language Pathology .....	1-2	<b>HIST 3130 (CI/DHA)</b> Greek History .....	3
<b>COMD 4910 (CI)</b> Sign Language III .....	4	<b>HIST 3150 (CI)</b> Roman History .....	3
<b>CS 2450 (CI)</b> Introduction to Software Engineering I .....	3	<b>HIST 3220 (CI/DHA)</b> Medieval European Civilization, 500-1500 .....	3
(formerly CS 2370 CI)		<b>HIST 3250 (CI/DHA)</b> Renaissance Europe 1300 to 1520 .....	3
<b>CS 3010 (CI/QI/DSC)</b> Information Acquisition, Analysis, and Presentation .....	3	<b>HIST 3700 (CI)</b> Regional Folklore .....	3
<b>ECE 4840 (CI)</b> Design II .....	3	<b>HIST 3710 (CI)</b> Folklore Colloquium .....	3
<b>ECE 4850 (CI)</b> Design III .....	2	<b>HIST 3760 (CI/DHA)</b> The United States, 1900-1945 .....	3
<b>ECON 4030 (CI)</b> Agribusiness Finance .....	3	<b>HIST 3850 (CI/DHA)</b> History of Utah .....	3
<b>ECON 5020 (CI)</b> Economics and Public Policy .....	3	<b>HIST 3950 (CI/DHA)</b> Environmental History .....	3
<b>ECON 5350 (CI)</b> Agribusiness, Cooperatives, and Management .....	3	<b>HIST 4230 (CI/DHA)</b> The History of Christianity in the West .....	3
<b>ECON 5950 (CI)</b> Senior Project .....	3	<b>HIST 4550 (CI/DHA)</b> Women and Gender in America .....	3
<b>ELED 3000 (CI)</b> Foundation Studies and Practicum in Teaching and Classroom Management Level II .....	4-6	<b>HIST 4600 (CI/DHA)</b> The History of the American West .....	3
<b>ELED 4030 (CI)</b> Teaching Language Arts and Practicum Level III .....	3	<b>HIST 4620 (CI)</b> Advanced Seminar in American Studies .....	3
<b>ELED 4040 (CI)</b> Teaching Reading II and Practicum Level III .....	3	<b>HIST 4640 (CI)</b> Studies in the American West .....	3
<b>ENGL 3080 (CI)</b> Introduction to Technical Communication .....	3	<b>HIST 4720 (CI/DHA)</b> The Civil Rights Movement .....	3
<b>ENGL 3400 (CI)</b> Professional Writing (for English majors <i>only</i> ) .....	3	<b>HIST 4730 (CI)</b> History of Black America .....	3
<b>ENGL 3700 (CI)</b> Regional Folklore .....	3	<b>HIST 4830 (CI/DHA)</b> Structure of Engineering Revolutions .....	3
<b>ENGL 3710 (CI)</b> Folklore Colloquium .....	3	<b>HIST 4990 (CI)</b> Special Topics in History .....	3
<b>ENGL 4400 (CI)</b> Professional Editing (for English majors <i>only</i> ) .....	3	<b>HIST 5690 (CI)</b> American Studies Capstone Seminar .....	3
<b>ENGL 4420 (CI)</b> Advanced Fiction Writing .....	3	<b>ID 4740 (CI)</b> Business and Professional Practices in Interior Design .....	2
<b>ENGL 4430 (CI)</b> Advanced Poetry Writing .....	3	<b>JCOM 2160 (CI)</b> Introduction to Online Journalism .....	3
<b>ENGL 4440 (CI)</b> Advanced Nonfiction Writing .....	3	(formerly JCOM 2110 CI)	
<b>ENGL 4500 (CI)</b> Teaching Writing .....	3	<b>JCOM 2170 (CI)</b> Reporting Public Affairs .....	3
<b>ENGL 4510 (CI)</b> Teaching Literature .....	3	(formerly JCOM 2120 CI)	
<b>ENGL 4620 (CI)</b> Advanced Seminar in American Studies .....	3	<b>JCOM 2310 (CI)</b> Writing for Public Relations .....	3
<b>ENGL 4640 (CI)</b> Studies in the American West .....	3	<b>JCOM 3110 (CI)</b> Beyond the Inverted Pyramid .....	3
<b>ENGL 5300 (CI)</b> Literature and Gender .....	3	<b>JCOM 3120 (CI)</b> Copy Editing and Publication Design .....	3
<b>ENGL 5320 (CI)</b> Literature and Cultural Difference .....	3	<b>JCOM 4110 (CI)</b> Computer-Assisted Reporting .....	3
<b>ENGL 5340 (CI)</b> Studies in Literary and Cultural Theory .....	3	<b>JCOM 4120 (CI)</b> Sports Writing .....	3
<b>ENGL 5430 (CI)</b> Professional Writing Capstone (for English majors <i>only</i> ) .....	3	<b>JCOM 4210 (CI)</b> Newscast I .....	4
<b>ENGL 5450 (CI)</b> Creative Writing Capstone .....	3	<b>JCOM 4220 (CI)</b> Newscast II .....	4
<b>ENGL 5690 (CI)</b> American Studies Capstone Seminar .....	3	<b>JCOM 5110 (CI)</b> Literary Journalism .....	3
<b>ENGL 5910 (CI)</b> Senior Honors Thesis .....	1-6	<b>JCOM 5300 (CI)</b> Case Studies in Public Relations .....	3
<b>ENVS 4500 (CI)</b> Wildland Recreation Behavior .....	3	<b>LAEP 2700 (CI)</b> Site Analysis: Social, Behavioral, and Biophysical Dimensions .....	5
<b>ETE 4710 (CI)</b> Electronics/Computer Design II .....	3	<b>LAEP 4920 (CI)</b> Professional Practice II .....	1
<b>ETE 5220 (CI)</b> Program and Course Development .....	3	<b>MAE 4400 (CI)</b> Fluids/Thermal Laboratory .....	2
<b>FCHD 3210 (CI)</b> Families and Cultural Diversity (for FCHD majors <i>only</i> ) .....	3	<b>MAE 4800 (CI)</b> Design II .....	3
<b>FCHD 4900 (CI)</b> Pre-Practicum Skills .....	3	<b>MATH 4200 (CI)</b> Foundations of Analysis .....	3
<b>FCSE 3060 (CI/DSS)</b> Human Behavior Related to Dress .....	3	<b>MATH 4310 (CI)</b> Introduction to Algebraic Structures .....	3
<b>FREN 3060 (CI)</b> French Conversation .....	3	<b>MATH 5580 (CI)</b> Actuarial Math II .....	3
<b>FREN 3090 (CI)</b> French Intermediate Written Communication .....	3	<b>MHR 4880 (CI)</b> Business Strategy in an Entrepreneurial Context .....	3
<b>FREN 3510 (CI)</b> Business French .....	3	<b>MHR 4890 (CI)</b> Business Strategy in a Global Context .....	3
<b>FREN 4060 (CI)</b> Advanced French Conversation .....	3	<b>MIS 2200 (CI)</b> Business Communication .....	3
<b>FREN 4090 (CI)</b> Advanced Written Communication .....	3	(formerly BIS 2550 CI)	
<b>GEO 3550 (CI)</b> Sedimentation and Stratigraphy .....	4	<b>MIS 4550 (CI)</b> Principles of International Business Communications .....	3
(formerly GEOL 3550 CI)		<b>MUSC 1460 (CI)</b> Organ Literature I .....	3
<b>GEO 4700 (CI)</b> Geologic Field Methods .....	3	<b>MUSC 1470 (CI)</b> Organ Literature II .....	3
(formerly GEOL 4700 CI)		<b>MUSC 3190 (CI)</b> Music History III: Music of the Twentieth Century .....	3
<b>GEO 5440 (CI)</b> Paleogeology .....	2	<b>MUSC 3620 (CI)</b> Vocal Repertory II .....	2
(formerly GEOL 5440 CI)		<b>MUSC 4320 (CI)</b> Psychology of Music II .....	2
<b>GEO 5520 (CI)</b> Techniques of Groundwater Investigations .....	3	<b>MUSC 4730 (CI)</b> Directed Project in Instrumental Pedagogy .....	2
(formerly GEOL 5520 CI)		<b>NFS 4050 (CI)</b> Education and Counseling Methods in Dietetics I .....	2
<b>GEOG 4200 (CI)</b> Regional Geography .....	3	<b>NFS 4060 (CI)</b> Education and Counseling Methods in Dietetics II .....	2
<b>GERM 3040 (CI)</b> Advanced German Grammar and Composition .....	3	<b>NFS 4560 (CI)</b> Clinical Nutrition II .....	4
<b>GERM 3050 (CI)</b> Advanced German Grammar and Composition .....	3	<b>NFS 4660 (CI)</b> Medical Dietetics .....	12
		<b>NFS 4780 (CI)</b> Maternal and Child Nutrition .....	3-4
		<b>NFS 5110 (CI)</b> Food Microbiology .....	4
		<b>NFS 5920 (CI)</b> Food Product Development .....	3

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<b>OSS 1550 (CI)</b> Business Correspondence.....	3
(formerly BIS 1550 CI)	
<b>PEP 3200 (CI)</b> Motor Learning and Skill Analysis .....	3
<b>PEP 4900 (CI)</b> Methods of Physical Education .....	3
<b>PEP 5430 (CI)</b> The History and Philosophy of Physical Education .....	3
<b>PHIL 3100 (CI)</b> Ancient Philosophy .....	3
<b>PHIL 3120 (CI)</b> Early Modern Philosophy .....	3
<b>PHIL 3150 (CI)</b> Kant and His Successors .....	3
<b>PHIL 3160 (CI)</b> Contemporary Philosophy .....	3
<b>PHIL 3180 (CI)</b> Contemporary European Philosophy .....	3
<b>PHIL 3730 (CI)</b> Philosophy of the New Testament .....	3
<b>PHYS 3870 (CI)</b> Intermediate Laboratory I.....	2
(formerly PHYX 3870 CI)	
<b>PHYS 3880 (CI)</b> Intermediate Laboratory II.....	2
(formerly PHYX 3880 CI)	
<b>PHYS 4250 (CI)</b> Cooperative Work Experience .....	1-6
(formerly PHYX 4250 CI)	
<b>PHYS 4900 (CI)</b> Research in Physics .....	1-3
(formerly PHYX 4900 CI)	
<b>PHYS 5870 (CI)</b> Advanced Laboratory.....	3
(formerly PHYX 5870 CI)	
<b>PLSC 5420 (CI)</b> Forest and Shade Tree Pathology .....	3
<b>POLS 4220 (CI)</b> Ethnic Conflict and Cooperation .....	3
<b>POLS 4310 (CI)</b> History of Political Thought I.....	3
<b>POLS 4450 (CI)</b> United States and Latin America .....	3
<b>POLS 4990 (CI)</b> Senior Research Seminar.....	3
<b>PORT 3040 (CI)</b> Advanced Portuguese Grammar and Composition .....	3
<b>PRP 3500 (CI)</b> Community Recreation Administration .....	3
<b>PRP 5000 (CI)</b> Seminar in Recreation.....	3
<b>PSC 3890 (CI)</b> Preparation for Careers in Plants, Soils, and/or Climate .....	1
<b>PSC 4890 (CI)</b> Senior Seminar .....	1
<b>PSY 3500 (CI/DSS)</b> Scientific Thinking and Methods in Psychology .....	3
<b>PSY 4510 (CI)</b> Effective Social Skills Interventions .....	3
<b>PSY 4950 (CI)</b> Undergraduate Apprenticeship.....	3
<b>PSY 4960 (CI)</b> Advanced Undergraduate Apprenticeship .....	3
<b>PSY 5200 (CI)</b> Introduction to Interviewing and Counseling .....	3
<b>PUBH 3870 (CI)</b> Professional/Technical Writing in Civil and Environmental Engineering .....	2
<b>PUBH 5500 (CI)</b> Public Health Management .....	2
<b>RUSS 3510 (CI)</b> Business Russian .....	3
<b>SCED 3210 (CI/DSS)</b> Educational and Multicultural Foundations .....	3
<b>SCED 4200 (CI)</b> Reading, Writing, and Technology .....	3
<b>SOC 3110 (CI)</b> Methods of Social Research .....	3
<b>SOC 4420 (CI)</b> Criminal Law and Justice.....	3
<b>SPAN 3060 (CI)</b> Advanced Spanish Conversation and Composition.....	3
<b>SPCH 1020 (CI)</b> Public Speaking.....	3
(formerly SPCH 1050 CI)	
<b>SPCH 2110 (CI)</b> Interpersonal Communication.....	3
(formerly SPCH 2600 CI)	
<b>SPCH 3250 (CI)</b> Organizational Communication .....	3
<b>SPCH 3400 (CI)</b> Persuasion.....	3
<b>SPCH 5100 (CI)</b> Theories of Speech Communication .....	3
<b>SPED 5200 (CI)</b> Student Teaching in Special Education .....	3-15
<b>SPED 5210 (CI)</b> Student Teaching in Special Education: Dual Majors .....	3-15
<b>STAT 5100 (CI/QI)</b> Linear Regression and Time Series.....	3
<b>STAT 5600 (CI)</b> Applied Multivariate Statistics .....	3
<b>STAT 5890 (CI)</b> Problem Solving in Statistics .....	3
<b>SW 5350 (CI)</b> Social Welfare Policy .....	3
<b>THEA 5240 (CI/DHA)</b> Contemporary Theatre .....	3
<b>WATS 3100 (CI/DSC)</b> Fish Diversity and Conservation .....	3
<b>WATS 3700 (CI)</b> Fundamentals of Watershed Science.....	3
<b>WGS 4550 (CI/DHA)</b> Women and Gender in America .....	3
<b>WILD 3300 (CI)</b> Management Aspects of Wildlife Behavior.....	3

<b>WILD 4750 (CI)</b> Monitoring and Assessment in Natural Resource and Environmental Management .....	3
<b>WILD 5420 (CI)</b> Forest and Shade Tree Pathology.....	3

## Or the following exam:

DSST Principles of Public Speaking Test: Score of 47 or higher

## Quantitative Intensive (QI) (1 course)

For most students, a course taken for the major will meet this requirement.

<b>ADVS 1250 (QI)</b> Applied Agricultural Computations.....	2
<b>ADVS 3510 (QI)</b> Applied Animal Nutrition .....	3
<b>ADVS 4560 (QI)</b> Principles of Animal Breeding.....	3
<b>ANTH 4150 (QI)</b> Problems in Cultural Anthropology.....	3
<b>ANTH 4250 (QI)</b> Problems in Bioarchaeology.....	3
<b>ASTE 3040 (QI)</b> Fabrication Practices in Agricultural Buildings.....	2
<b>ASTE 3600 (QI)</b> Management of Agricultural Machinery Systems.....	3
<b>BA 3080 (QI)</b> Operations Research .....	3
<b>BA 3400 (QI)</b> Corporate Finance .....	3
<b>BIOL 3060 (QI)</b> Principles of Genetics .....	4
(formerly BIOL 3200 QI)	
<b>BIOL 3220 (QI)</b> Field Ecology .....	2
<b>BIOL 4230 (QI)</b> Applied Mathematics in Biology .....	3
<b>BIOL 4400 (QI)</b> Plant Physiology .....	4
<b>BIOL 5020 (QI)</b> Modeling Biological Systems .....	3
<b>BIOL 5300 (QI)</b> Microbial Physiology .....	4
<b>BIOL 5610 (QI)</b> Animal Physiology Laboratory .....	2
<b>BUS 3400 (QI)</b> Finance Fundamentals .....	3
<b>CHEM 3000 (QI)</b> Quantitative Analysis .....	3
(formerly CHEM 3600 QI)	
<b>CHEM 3060 (QI)</b> Physical Chemistry .....	3
<b>CHEM 3070 (QI)</b> Physical Chemistry .....	3
<b>CLIM 3820 (QI/DSC)</b> Climate Change .....	3
<b>CS 1410 (QI)</b> Introduction to Computer Science—CS 2 .....	3
(formerly CS 1720 QI)	
<b>CS 2420 (QI)</b> Algorithms and Data Structures—CS 3 .....	3
(formerly CS 2200 QI)	
<b>CS 3010 (QI/CI/DSC)</b> Information Acquisition, Analysis, and Presentation .....	3
<b>CS 3410 (QI/DSC)</b> Computational Science: JAVA/Internet.....	3
<b>CS 3420 (QI/DSC)</b> Computational Science: C# and .NET .....	3
<b>CS 3430 (QI/DSC)</b> Computational Science: Python and Perl Programming .....	3
<b>ECON 4310 (QI)</b> Mathematical Methods for Economics .....	3
<b>ECON 5310 (QI)</b> Mathematical Methods for Economics .....	3
<b>ECON 5330 (QI)</b> Applied Econometrics .....	3
<b>ENVS 3500 (QI)</b> Quantitative Assessment of Environmental and Natural Resource Problems .....	3
<b>ETE 2300 (QI)</b> Electronic Fundamentals.....	4
<b>FCHD 3130 (QI)</b> Research Methods .....	3
<b>FCSE 3030 (QI/DSC)</b> Textile Science .....	4
<b>GEO 5510 (QI)</b> Groundwater Geology .....	3
(formerly GEOL 5510 QI)	
<b>GEO 5530 (QI)</b> Petroleum Systems: Principles of Exploration and Development .....	3
(formerly GEOL 5530 QI)	
<b>GEO 5540 (QI)</b> Quantitative Methods in Geology .....	3
(formerly GEOL 5540 QI)	
<b>GEO 5620 (QI)</b> Global Geophysics .....	3
(formerly GEOL 5620 QI)	
<b>HEP 4200 (QI)</b> Planning and Evaluation for Health Education.....	3
<b>ID 3730 (QI)</b> Interior Materials and Construction.....	3
<b>LAEP 2600 (QI)</b> Landscape Construction I.....	4
<b>MAE 3440 (QI)</b> Heat and Mass Transfer .....	3

# University Studies Depth Education Requirements

<b>MATH 2020 (QI)</b> Introduction to Logic and Geometry .....	3
<b>MATH 2210 (QI)</b> Multivariable Calculus .....	3
<b>MATH 2250 (QI)</b> Linear Algebra and Differential Equations .....	4
<b>MATH 2270 (QI)</b> Linear Algebra .....	3
<b>MATH 2280 (QI)</b> Ordinary Differential Equations .....	3
<b>MATH 4230 (QI)</b> Applied Mathematics in Biology .....	3
<b>NFS 3100 (QI)</b> Sensory Evaluation of Food .....	3
<b>NFS 4420 (QI)</b> Nutrition Research Methodology .....	2
<b>NFS 4440 (QI)</b> Fundamentals of Food Engineering .....	4
<b>NFS 4720 (QI)</b> Food Service Organization and Management .....	2
<b>NFS 5500 (QI)</b> Food Analysis .....	4
<b>PEP 4200 (QI)</b> Biomechanics .....	4
<b>PEP 4400 (QI)</b> Evaluation in Physical Education .....	3
<b>PHIL 2200 (QI)</b> Deductive Logic .....	3
<b>PHYS 2210 (QI)</b> General Physics—Science and Engineering I .....	4
(formerly PHYX 2210 QI)	
<b>PHYS 2220 (QI/BPS)</b> General Physics—Science and Engineering II ..	4
(formerly PHYX 2220 QI/BPS)	
<b>PHYS 3010 (QI/DSC)</b> Space Exploration from Earth	
to the Solar System .....	3
(formerly PHYX 3010 QI/DSC)	
<b>PHYS 3030 (QI/DSC)</b> The Universe .....	3
(formerly PHYX 3030 QI/DSC)	
<b>PHYS 3040 (QI)</b> Space Weather—Dangers to the High-Tech World ...	3
(formerly PHYX 3040 QI)	
<b>PHYS 4010 (QI/DSC)</b> Chaos Under Control .....	3
(formerly PHYX 4010 QI/DSC)	
<b>PHYS 4020 (QI/DSC)</b> Science, Art, and Music .....	3
(formerly PHYX 4020 QI/DSC)	
<b>PLSC 4600 (QI/DSC)</b> Cereal Science .....	3
<b>POLS 3000 (QI)</b> Introduction to Political Research .....	3
<b>PSY 2800 (QI)</b> Psychological Statistics .....	3
<b>PUBH 5330 (QI)</b> Industrial Hygiene Chemical Hazard Control .....	3
<b>SOC 3120 (QI)</b> Social Statistics I .....	3
<b>SOIL 5550 (QI)</b> Soils and Plant Nutrient Bioavailability .....	3
<b>SPED 5010 (QI)</b> Applied Behavioral Analysis 1:	
Principles, Assessment, and Analysis .....	3
<b>STAT 2000 (QI)</b> Statistical Methods .....	3
<b>STAT 3000 (QI)</b> Statistics for Scientists .....	3
<b>STAT 5100 (QI/CI)</b> Linear Regression and Time Series .....	3
<b>STAT 5300 (QI)</b> Statistical Process Control .....	3
<b>WATS 3820 (QI/DSC)</b> Climate Change .....	3

## Or one of the following exams:

AP Physics C: Electricity and Magnetism: Score of 4 or higher  
 AP Physics C: Mechanics: Score of 3 or higher  
 AP Statistics: Score of 3 or higher  
 IBO Computer Science Test: Standard- or Higher-level Score of 4-7  
 IBO Physics Test: Higher-level Score of 4-7

## Depth Course Requirements (4 credits minimum completed in two or more courses)

Students are required to take *at least two* upper-division courses outside of their major.

Approved 3000-level or above courses must be taken from two of the following three categories: **Depth Humanities and Creative Arts (DHA)**, **Depth Life and Physical Sciences (DSC)**, and **Depth Social Sciences (DSS)**. Each student must select *at least one* course from each of the two categories which *do not* include his or her major (e.g., Sociology majors would select one or more 3000-level or above course(s) from the Depth Humanities and Creative Arts and one or more 3000-level or above course(s) from the Depth Life and Physical

Sciences). **Prerequisites are required for depth courses having titles followed by (prereq.).** For details, see course listings in the *Course Descriptions* section of this catalog.

## Depth Humanities and Creative Arts (DHA)

A minimum of 2 credits is required for all students whose major is **not** categorized as Humanities (HU) or Creative Arts (CA).

<b>USU 3330 (DHA)</b> Arts Symposium (prereq.) .....	1-2
(Two credits of USU 3330 are needed to fulfill DHA requirement.)	
<b>ANTH 3550 (DHA)</b> Culture of East Asia .....	3
<b>ARTH 3110 (DHA/CI)</b> Ancient Near East (prereq.) .....	3
<b>ARTH 4510 (DHA)</b> Islamic Visual Cultures .....	3
(formerly ART 3720 DHA)	
<b>ARTH 4620 (DHA)</b> Byzantine Art .....	3
(formerly ART 3130 DHA)	
<b>ARTH 4630 (DHA)</b> Medieval Art .....	3
(formerly ART 3140 DHA)	
<b>CHIN 3100 (DHA)</b> Readings in Contemporary Chinese	
Culture (prereq.) .....	3
<b>ENGL 3020 (DHA)</b> Perspectives in Linguistics .....	3
<b>ENGL 3030 (DHA)</b> Perspectives in Literature .....	3
<b>ENGL 3040 (DHA)</b> Perspectives in Writing and Rhetoric .....	3
<b>ENGL 3050 (DHA)</b> Masterpieces of World Literature .....	3
<b>ENGL 3060 (DHA)</b> British and Commonwealth Cultures .....	3
<b>ENGL 3070 (DHA)</b> Perspectives in Folklore .....	3
<b>FCSE 3080 (DHA)</b> Dress and Humanity (prereq.) .....	3
<b>FREN 3500 (DHA)</b> Topics in French Literature in Translation .....	3
<b>FREN 3550 (DHA)</b> French Civilization .....	3
<b>FREN 4610 (DHA)</b> Period Studies in French Literature (prereq.) .....	3
<b>FREN 4620 (DHA)</b> Genre Studies in French Literature (prereq.) .....	3
<b>GERM 3000 (DHA)</b> Introduction to German Studies (prereq.) .....	3
<b>GERM 3300 (DHA)</b> Contemporary German Speaking	
Cultures (prereq.) .....	3
<b>GERM 3550 (DHA)</b> Cultural History of German Speaking	
Peoples (prereq.) .....	3
<b>GERM 3600 (DHA)</b> Survey of German Literature I (prereq.) .....	3
<b>GERM 3610 (DHA)</b> Survey of German Literature II (prereq.) .....	3
<b>GERM 4650 (DHA)</b> Trends in Modern German Literature .....	3
<b>HIST 3070 (DHA)</b> Perspectives in Folklore .....	3
<b>HIST 3110 (DHA/CI)</b> Ancient Near East (prereq.) .....	3
<b>HIST 3130 (DHA/CI)</b> Greek History (prereq.) .....	3
<b>HIST 3220 (DHA/CI)</b> Medieval European Civilization,	
500-1500 (prereq.) .....	3
<b>HIST 3250 (DHA/CI)</b> Renaissance Europe 1300 to 1520 .....	3
<b>HIST 3550 (DHA)</b> Culture of East Asia .....	3
<b>HIST 3760 (DHA/CI)</b> The United States, 1900-1945 (prereq.) .....	3
<b>HIST 3850 (DHA/CI)</b> History of Utah (prereq.) .....	3
<b>HIST 3950 (DHA/CI)</b> Environmental History .....	3
<b>HIST 4230 (DHA/CI)</b> The History of Christianity in the West .....	3
<b>HIST 4320 (DHA)</b> History of Scientific Thought .....	3
<b>HIST 4400 (DHA)</b> History of Aviation and Aeronautics .....	3
<b>HIST 4550 (DHA/CI)</b> Women and Gender in America .....	3
<b>HIST 4600 (DHA/CI)</b> The History of the American West .....	3
<b>HIST 4720 (DHA/CI)</b> The Civil Rights Movement (prereq.) .....	3
<b>HIST 4780 (DHA)</b> American Financial History .....	3
<b>HIST 4821 (DHA)</b> World War II in Asia .....	3
<b>HIST 4830 (DHA/CI)</b> Structure of Engineering Revolutions .....	3
<b>HIST 4890 (DHA)</b> Cold War in Asia .....	3
<b>HIST 4891 (DHA)</b> Cold War: Vietnam and Afghanistan .....	3
<b>HONR 3020H (DHA)</b> Special Topics: Humanities/Creative Arts .....	3
<b>LANG 3550 (DHA)</b> Culture of East Asia .....	3
<b>MSL 4610 (DHA)</b> Military History Seminar .....	1-3
<b>MUSC 3010 (DHA)</b> Masterpieces of Music .....	3
<b>MUSC 3020 (DHA)</b> History of Jazz .....	3
<b>MUSC 3500 (DHA)</b> Symphony Orchestra .....	1

# University Studies Depth Education Requirements

<b>MUSC 3790 (DHA)</b> Symphonic Band.....	1
<b>MUSC 4600 (DHA)</b> University Chorale .....	1
<b>MUSC 4650 (DHA)</b> Chamber Singers.....	1
<b>MUSC 4700 (DHA)</b> Wind Orchestra.....	1
<b>PHIL 3510 (DHA)</b> Environmental Ethics .....	3
<b>PHIL 3520 (DHA)</b> Business Ethics.....	3
<b>PHIL 3700 (DHA)</b> Philosophy of Religion.....	3
<b>PHIL 3800 (DHA)</b> Philosophy in Literature.....	3
<b>PHIL 3810 (DHA)</b> Aesthetics.....	3
<b>PHIL 4310 (DHA)</b> Philosophy of Science.....	3
<b>PHIL 4320 (DHA)</b> History of Scientific Thought .....	3
<b>PHIL 4540 (DHA)</b> Human Values and Information Technology.....	3
<b>PHIL 4610 (DHA)</b> Social and Political Philosophy .....	3
<b>PORT 3570 (DHA)</b> Brazilian Culture and Civilization (prereq.).....	3
<b>PORT 3630 (DHA)</b> Survey of Brazilian Literature (prereq.).....	3
<b>RUSS 3300 (DHA)</b> Contemporary Russian Language and Culture (prereq.).....	3
<b>SPAN 3550 (DHA)</b> Spanish Culture and Civilization (prereq.).....	3
<b>SPAN 3570 (DHA)</b> Latin American Culture and Civilization (prereq.).....	3
<b>SPAN 3600 (DHA)</b> Survey of Spanish Literature I (prereq.).....	3
<b>SPAN 3610 (DHA)</b> Survey of Spanish Literature II (prereq.).....	3
<b>SPAN 3620 (DHA)</b> Survey of Latin American Literature I (prereq.).....	3
<b>SPAN 3630 (DHA)</b> Survey of Latin American Literature II (prereq.).....	3
<b>THEA 3050 (DHA)</b> Period Styles/Historic Interiors .....	3
<b>THEA 3230 (DHA)</b> Survey of Western Theatre.....	3
<b>THEA 3450 (DHA)</b> Dialects (prereq.).....	3
<b>THEA 3570 (DHA)</b> Historic Clothing .....	3
<b>THEA 4030 (DHA)</b> Storytelling.....	3
<b>THEA 5240 (DHA/CI)</b> Contemporary Theatre (prereq.).....	3
<b>THEA 5270 (DHA)</b> Performance Theory and Criticism.....	3
<b>WGS 4550 (DHA/CI)</b> Women and Gender in America.....	3

## Depth Life and Physical Sciences (DSC)

A minimum of 2 credits is required for all students whose major is **not** categorized as Life Sciences (LS) or Physical Sciences (PS).

<b>ADVS 3200 (DSC)</b> Ethical Issues in Genetic Engineering and Biotechnology.....	3
<b>ASTE 3440 (DSC)</b> Science, Technology, and Modern Society.....	3
<b>BIOL 3000 (DSC)</b> Discovering Utah's Biodiversity (prereq.).....	3
<b>BIOL 3010 (DSC/CI)</b> Evolution.....	3
<b>BIOL 3030 (DSC)</b> Genetics and Society (prereq.).....	3
<b>BIOL 3040 (DSC)</b> Plants and Civilization (prereq.).....	3
<b>BIOL 3500 (DSC)</b> Plagues, Pests, and People (prereq.).....	3
<b>CHEM 3650 (DSC)</b> Environmental Chemistry (prereq.).....	3
<b>CLIM 3820 (DSC/QI)</b> Climate Change (prereq.).....	3
<b>CS 3010 (DSC/CI/QI)</b> Information Acquisition, Analysis, and Presentation (prereq.).....	3
<b>CS 3410 (DSC/QI)</b> Computational Science: JAVA/Internet (prereq.).....	3
<b>CS 3420 (DSC/QI)</b> Computational Science: C# and .NET (prereq.).....	3
<b>CS 3430 (DSC/QI)</b> Computational Science: Python and Perl Programming (prereq.).....	3
<b>ENVS 3600 (DSC)</b> Living with Wildlife.....	3
<b>ETE 3440 (DSC)</b> Science, Technology, and Modern Society.....	3
<b>FCSE 3030 (DSC/QI)</b> Textile Science.....	4
<b>GEO 3100 (DSC)</b> Natural Disasters (prereq.).....	3
(formerly GEOL 3100 DSC)	
<b>GEO 3200 (DSC)</b> The Earth Through Time (prereq.).....	4
(formerly GEOL 3200 DSC)	
<b>GEO 3300 (DSC)</b> Geology of the World's Oceans (prereq.).....	3
(formerly GEOL 3300 DSC)	
<b>HIST 3900 (DSC)</b> Science and Technology in World History (prereq.).....	3
<b>HONR 3010H (DSC)</b> Special Topics: Life and Physical Sciences.....	3
<b>NFS 3110 (DSC)</b> Food, Technology, and Health (prereq.).....	3

<b>PHIL 4530 (DSC)</b> Ethics and Biotechnology.....	3
<b>PHYS 3010 (DSC/QI)</b> Space Exploration from Earth to the Solar System (prereq.).....	3
(formerly PHYX 3010 DSC/QI)	
<b>PHYS 3020 (DSC)</b> Great Scientists (prereq.).....	3
(formerly PHYX 3020 DSC)	
<b>PHYS 3030 (DSC/QI)</b> The Universe (prereq.).....	3
(formerly PHYX 3030 DSC/QI)	
<b>PHYS 4010 (DSC/QI)</b> Chaos Under Control (prereq.).....	3
(formerly PHYX 4010 DSC/QI)	
<b>PHYS 4020 (DSC/QI)</b> Science, Art, and Music (prereq.).....	3
(formerly PHYX 4020 DSC/QI)	
<b>PLSC 4600 (DSC/QI)</b> Cereal Science (prereq.).....	3
<b>SOIL 3100 (DSC)</b> Soils and Civilization .....	3
<b>SOIL 3200 (DSC)</b> Microbes in Environmental Action (prereq.).....	3
<b>WATS 3000 (DSC)</b> Oceanography.....	3
<b>WATS 3100 (DSC/CI)</b> Fish Diversity and Conservation (prereq.).....	3
<b>WATS 3820 (DSC/QI)</b> Climate Change (prereq.).....	3

### Or the following exam:

I/O Computer Science Test: Standard- or Higher-level Score of 4-7

## Depth Social Sciences (DSS)

A minimum of 2 credits is required for all students whose major is **not** categorized as Social Sciences (SS).

<b>ANTH 3160 (DSS)</b> Anthropology of Religion.....	3
<b>ANTH 3200 (DSS/CI)</b> Perspectives on Race.....	3
<b>ANTH 3300 (DSS)</b> Archaeology in North America .....	3
<b>ANTH 3320 (DSS)</b> Ancient Humans and the Environment .....	3
<b>ANTH 3350 (DSS)</b> Archaeology of Ancient Civilizations .....	3
<b>ANTH 4110 (DSS)</b> Southwest Indian Cultures, Past and Present .....	3
<b>ANTH 4120 (DSS/CI)</b> Anthropology of Childhood.....	3
<b>ANTH 4130 (DSS)</b> Medical Anthropology: Matter, Culture, Spirit, and Health.....	3
<b>ANTH 4360 (DSS)</b> Ancient Desert West (prereq.).....	3-4
<b>ANTH 5100 (DSS)</b> Anthropology of Sex and Gender.....	3
<b>ANTH 5160 (DSS)</b> Cities and Development.....	3
<b>ANTH 5650 (DSS)</b> Developing Societies .....	3
<b>BUS 3100 (DSS)</b> Survey of Management Information Systems .....	3
<b>BUS 3110 (DSS)</b> Management Fundamentals (prereq.).....	3
<b>ECON 3030 (DSS)</b> Introduction to Agribusiness Marketing (prereq.).....	3
<b>ECON 3050 (DSS)</b> Introduction to Agribusiness Management (prereq.).....	3
<b>ECON 3400 (DSS)</b> International Economics for Business (prereq.).....	3
<b>ECON 4010 (DSS)</b> Managerial Economics.....	3
<b>ECON 5110 (DSS)</b> Economic History of the United States (prereq.).....	3
<b>ECON 5150 (DSS)</b> Comparative Economic Systems (prereq.).....	3
<b>ENVS 4000 (DSS)</b> Human Dimensions of Natural Resource Management.....	3
<b>FCHD 3350 (DSS)</b> Family Finance .....	3
<b>FCSE 3060 (DSS/CI)</b> Human Behavior Related to Dress (prereq.).....	3
<b>GEOG 5650 (DSS)</b> Developing Societies .....	3
<b>HONR 3030H (DSS)</b> Special Topics: Social Sciences .....	3
<b>JCOM 3140 (DSS)</b> Opinion Writing.....	3
<b>JCOM 3300 (DSS)</b> Strategic Research Methods in Public Relations (prereq.).....	3
<b>JCOM 3410 (DSS)</b> Film as Cultural Communication .....	3
<b>JCOM 4010 (DSS)</b> Mass Communication Ethics.....	3
<b>JCOM 4020 (DSS)</b> Mass Media and Society.....	3
<b>JCOM 4030 (DSS)</b> Mass Media Law .....	3
<b>MHR 3110 (DSS)</b> Managing Organizations and People.....	3
<b>MHR 3720 (DSS)</b> Leading Organization Change (prereq.).....	3
<b>MHR 3810 (DSS)</b> Employment Law and Policy Development (prereq.).....	3

# University Studies Depth Education Requirements

<b>MHR 3820 (DSS)</b> International Management.....	3
<b>MIS 5700 (DSS)</b> Internet Management and Electronic Commerce (prereq.).....	3
<b>POLS 3110 (DSS)</b> Parties and Elections .....	3
<b>POLS 3120 (DSS)</b> Law and Politics .....	3
<b>POLS 3130 (DSS)</b> United States Legislative Politics .....	3
<b>POLS 3140 (DSS)</b> The Presidency .....	3
<b>POLS 3190 (DSS)</b> Gender, Power, and Politics.....	3
<b>POLS 3210 (DSS)</b> Western European Government and Politics.....	3
<b>POLS 3220 (DSS)</b> Russian and East European Government and Politics .....	3
<b>POLS 3250 (DSS)</b> Chinese Government and Politics.....	3
<b>POLS 3270 (DSS)</b> Latin American Government and Politics.....	3
<b>POLS 3310 (DSS)</b> American Political Thought .....	3
<b>POLS 3400 (DSS)</b> United States Foreign Policy.....	3
<b>POLS 3810 (DSS)</b> Introduction to Public Policy.....	3
<b>POLS 4320 (DSS)</b> History of Political Thought II .....	3
<b>POLS 4820 (DSS)</b> Natural Resources and Environmental Policy.....	3
<b>POLS 5350 (DSS)</b> Evolution, Conflict, and Cooperation.....	3
<b>POLS 5440 (DSS)</b> Gender and World Politics .....	3
<b>PSY 3120 (DSS)</b> Abuse, Neglect, and the Psychological Dimensions of Intimate Violence (prereq.) .....	3
<b>PSY 3210 (DSS)</b> Abnormal Psychology (prereq.).....	3
<b>PSY 3400 (DSS)</b> Analysis of Behavior: Advanced (prereq.).....	4
<b>PSY 3500 (DSS/CI)</b> Scientific Thinking and Methods in Psychology (prereq.) .....	3
<b>PSY 3510 (DSS)</b> Social Psychology (prereq.).....	3
<b>PSY 4210 (DSS)</b> Personality Theory (prereq.).....	3
<b>PSY 4230 (DSS)</b> Psychology of Gender .....	3
<b>PSY 4240 (DSS)</b> Multicultural Psychology (prereq.) .....	3
<b>PSY 4420 (DSS)</b> Cognitive Psychology (prereq.) .....	3
<b>SCED 3210 (DSS/CI)</b> Educational and Multicultural Foundations .....	3
<b>SOC 3200 (DSS)</b> Population and Society .....	3
<b>SOC 3610 (DSS)</b> Rural Sociology.....	3
<b>SOC 4620 (DSS)</b> Sociology of the Environment and Natural Resources.....	3
<b>SOC 5650 (DSS)</b> Developing Societies .....	3
<b>SPCH 3050 (DSS)</b> Technical and Professional Communication .....	3
<b>SPCH 3330 (DSS)</b> Intercultural Communication .....	3

## Or one of the following exams:

DSST Management Information Systems Test: Score of 46 or higher  
DSST Personal Finance Test: Score of 59 or higher

## Categorization of Majors

The courses that must be taken to satisfy University Studies Depth requirements depend on the classification of the student's major. For example, Music is classified in the Creative Arts. Thus, a music major would not need to take a depth course in the Humanities and Creative Arts.

Following is the categorization of majors used for University Studies. These abbreviations are used: **CA—Creative Arts, HU—Humanities, LS—Life Sciences, PS—Physical Sciences, and SS—Social Sciences.**

### College of Agriculture

Agricultural Economics, **SS**  
Family and Consumer Sciences Education, **SS**  
Environmental Soil/Water Science, **PS**  
All other majors, **LS**

### Jon M. Huntsman School of Business

All majors, **SS**

### Emma Eccles Jones

#### College of Education and Human Services

Communicative Disorders and Deaf Education, **SS**  
Early Childhood Education, (**category same as area of emphasis**)  
Elementary Education, (**category same as area of emphasis**)  
Family and Consumer Sciences, **SS**  
Family, Consumer, and Human Development, **SS**  
Health Education Specialist, **LS**  
Instructional Technology and Learning Sciences,  
(**no undergraduate degree**)  
Parks and Recreation, **SS**  
Physical Education, **LS**  
Psychology, **SS**  
Secondary Education, (**category same as teaching major category**)  
Social Studies Composite Teaching, **SS**  
Special Education, (**may use any category**)

### College of Engineering

All majors, **PS**

### College of Humanities, Arts, and Social Sciences

Agricultural Communication and Journalism, **LS**  
American Studies, **HU**  
Anthropology, **SS**  
Art, **CA**  
Asian Studies, **HU**  
English, **HU**  
French, **HU**  
German, **HU**  
History, **HU**  
Interior Design, **CA**  
International Studies, (**category same as area of emphasis**)  
Journalism, **SS**  
Landscape Architecture, **CA**  
Law and Constitutional Studies, **SS**  
Liberal Arts, **HU**  
Music, **CA**  
Music Therapy, **CA**  
Philosophy, **HU**  
Political Science, **SS**  
Religious Studies, **HU**  
Social Work, **SS**  
Sociology, **SS**  
Spanish, **HU**  
Speech, **HU**  
Theatre Arts, **CA**

### College of Natural Resources

Environmental Studies, **SS**  
Geography, **SS**  
Recreation Resource Management, **SS**  
Watershed and Earth Systems, **PS**  
All other majors, **LS**

### College of Science

Biology, **LS**  
All other majors, **PS**

# University Studies Depth Education Requirements

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## Designation of Courses that Satisfy University Studies Depth Education Requirements

All courses approved for the University Studies Depth Education Requirements are clearly designated in this catalog and in the current *Schedule of Classes*. The designations used for University Studies Depth Education courses are as follows:

### Intensive Courses

Communications Intensive, **CI**  
Quantitative Intensive, **QI**

### Depth Courses

Humanities and Creative Arts, **DHA**  
Life and Physical Sciences, **DSC**  
Social Sciences, **DSS**

## Course Descriptions

University Studies (USU), [click here](#)