

Foundations

Brigham Young University-Idaho 2014-2015



This is an exciting time to be associated with Brigham Young University-Idaho as it continues on a steady, upward course of academic innovation. Dedicated administrators and faculty members are continually working to prepare students to be well-educated academically as well as spiritually.

One of the university's academic developments is our general education program called Foundations. Just as the name suggests, Foundations is designed to provide a strong base for the rest of your university experience and throughout your life.

Foundations presents a focused approach to general education, allowing students to explore specific aspects of diverse subjects, delving deep into each topic. The courses are interdisciplinary and have been created through countless hours of faculty collaboration to provide you with the most effective learning outcomes.

Foundations courses are divided into five groups: Eternal Truths, Academic Fundamentals, Science, Cultural Awareness, and Connections. While some courses are required, others are left to personal preference. You will be blessed as you enter these inspired classes with an open mind and willing heart.

I invite you to carefully review the Foundations courses available and determine which classes will benefit you most. I wish you success in this and every other endeavor here at BYU-Idaho.

Best regards,

A handwritten signature in black ink that reads "Kim B. Clark". The signature is written in a cursive, flowing style.

Kim B. Clark
President, Brigham Young University-Idaho

Overview of Foundations

A BYU-Idaho education includes both the acquisition of marketable skills and a broad general education. BYU-Idaho graduates should not only be employable, but also literate, well rounded, cultured, and informed. They should be good thinkers and good communicators. They should be good citizens with strong testimonies. And they should graduate with the passion and skills to make them lifelong learners.

In BYU-Idaho's Foundations program, students acquire life-changing skills and knowledge. Courses are both broad and deep. Students develop the ability to think critically, to read and write, to reason quantitatively and scientifically, and to collaborate. They also encounter big and meaty questions about today's world, and make connections between the course material and other aspects of their lives.

In their Foundations courses, students can find not just a job, but a vocation—a purpose and vision of how they can bring about a better world and the skills to help them do it. Foundations is an oasis of learning in a busy and distracted world. We invite students to pause and drink deeply from its waters.

Foundations Requirements: Bachelor's Degree

As part of a bachelor's degree, students will complete 14 credits in Eternal Truths, 9 credits in Academic Fundamentals, 7 credits in Science, 8 credits in Cultural Awareness, and 2 credits in Connections.

Eternal Truths: Students complete 14 credit hours of Religion at BYU–Idaho.

- FDREL 121 and FDREL 122, Book of Mormon (2 credits each)
- FDREL 200, Family Foundations (2 credits)
- 4 scripture-based credits (2-credit options include FDREL 211 or FDREL 212, New Testament; FDREL 301 or FDREL 302, Old Testament; FDREL 324 or FDREL 325, Doctrine and Covenants; FDREL 327, Pearl of Great Price; and FDREL 404, Writings of Isaiah)
- 4 additional FDREL credits of your choice

Academic Fundamentals: All students take the following courses, for a total of 9 credits.

- FDENG 101, Writing and Reasoning Foundations (3 credits)
- FDENG 201, Advanced Writing and Critical Thinking (3 credits)
- FDMAT 108, Mathematical Tools for the Real World (3 credits)

Science: Students take 7 credits of Science as part of their Foundations experience.

- FDSCI 101, Science Foundations (2 credits)
- Students complete 5 credits of the Issues in the Sciences courses (numbered FDSCI 200 or higher)

Cultural Awareness: Students complete 8 credits in the Cultural Awareness area: 3 credits of American Foundations and 5 credits of Cultural Awareness or World Foundations.

- FDAMF 101, American Foundations (3 credits)
- FDCA 101, Foundations of Humanities (3 credits)
- Students complete 2 credits of the 200-level Cultural Awareness courses (numbered FDCA 200 or higher)

Instead of taking FDCA 101 and a 200-level Cultural Awareness course, students can take the following two courses:

- FDWLD 101 and FDWLD 201, World Foundations

Connections: All students take the 2-credit Foundations Capstone course.

- FDCNC 350, Foundations Capstone: Analytical Thinking and Moral Judgment (2 credits)

Foundations Requirements: Associate's Degree (A.A. or A.S.)

For students pursuing an associate's degree, a total of 32 credits of Foundations courses are required. The requirements are the same as those for a bachelor's degree, with two exceptions. Students pursuing an associate's degree only complete 8 credits in the Eternal Truths area: FDREL 121, FDREL 122, FDREL 200, plus two additional FDREL credits of their choice. Also, for an associate's degree, students do not take the Foundations Capstone course, FDCNC 350 in the Connections area. The course requirements for the Academic Fundamentals, Science, and Cultural Awareness areas are the same as those for a bachelor's degree.

Foundations Requirements: Applied Associate's Degree (A.A.S.)

An applied associate's degree does not transfer to other institutions. It is intended to be a terminal degree, leading to a profession. For an applied associate's degree, students complete a total of 17 credits in Foundations. Students take 8 credits in the Eternal Truths area: FDREL 121, FDREL 122, FDREL 200, plus two additional FDREL credits of their choice. Additionally, students take the FDENG 101, FDENG 201, and FDMAT 108 courses in the Academic Fundamentals area.

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Transfer Students

The number of Religion credits required for a bachelor’s degree is adjusted for students who bring transfer credits to BYU-Idaho:

Total # of Transfer Credits	Religion hours to take from BYU-Idaho	Required Subject Matter: If the subject matter has been taken at an Institute or other Church school you may complete the credit requirement by substituting other courses offered in Religious Education at BYU-Idaho until 14 credit hours are earned.
0-14.9	14	4 credits FDREL 121 & 122; 2 credits FDREL 200; 4 credits scripture-based and 4 additional religion credits
15-29.9	12	4 credits FDREL 121 & 122; 2 credits FDREL 200; 4 credits scripture-based; and 2 additional religion credits
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200, 4 credits of scripture-based courses, and 6 additional religion credits of your choice.</i>
30-44.9	10	4 credits FDREL 121 & 122; 2 credits FDREL 200; and 4 credits scripture-based
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200, 4 credits of scripture-based courses, and 4 additional religion credits of your choice.</i>
45-59.9	8	4 credits FDREL 121 & 122; 2 credits FDREL 200; and 2 credits scripture-based
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200, 4 credits of scripture-based courses, and 2 additional religion credits of your choice.</i>
60-74.9	6	4 credits FDREL 121 & 122 and 2 credits FDREL 200
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200 and 4 credits of scripture-based courses.</i>
75-89.9	4-6	4 credits FDREL 121 & 122 and 2 credits FDREL 200
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200 and 2 credits of scripture-based courses.</i>
90 or more	2-6	4 credits FDREL 121 & 122 and 2 credits FDREL 200
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200.</i>

The number of Religion credits required for an associate’s degree or an applied associate’s degree is adjusted for students who bring transfer credits to BYU-Idaho:

Total # of Transfer Credits	Religion hours to take from BYU-Idaho	Required Subject Matter: If the subject matter has been taken at an Institute or other Church school you may complete the credit requirement by substituting other courses offered in Religious Education at BYU-Idaho until 8 credit hours are earned.
0-14.9	8	4 credits FDREL 121 & 122; 2 credits FDREL 200; and 2 credits of your choice
15-29.9	6	4 credits FDREL 121 & 122 and 2 credits FDREL 200
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200 and 4 credits of your choice.</i>
30-44.9	4-6	4 credits FDREL 121 & 122 and 2 credits FDREL 200
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200 and 2 credits of your choice.</i>
45 or more	2-6	4 credits FDREL 121 & 122 and 2 credits FDREL 200
		<i>If Book of Mormon credits have been completed and transferred from an Institute or other Church school, complete FDREL 200.</i>

Transfer of Credit from other Universities and Institutes of Religion: Religion credit earned at Church Education System Institutes of Religion or other LDS Church schools will transfer to BYU-Idaho as an equivalent religion course or elective credit so long as the course is taken for credit and such credit is noted on an official transcript. While these religion credits from other LDS Church schools or Institutes of Religion may transfer to fulfill required religion content, they do not satisfy the BYU-Idaho resident religion requirement (religion courses taken from BYU-Idaho). Coursework in religious studies from any place other than an LDS Church school or Institute of Religion will not be accepted toward filling the BYU-Idaho religion requirements.

Religion courses taken at the BYU Jerusalem Center (during a student’s BYU–Idaho experience) will transfer to fulfill both religion course content and the resident religion requirement. However, such credit does not apply to the completion of the overall BYU-Idaho residency requirement. BYU Jerusalem Center credits earned prior to a student’s enrollment at BYU-Idaho can be used to fulfill religion course content only, but may not be applied to any BYU-Idaho residency requirement.

Foundations Substitution Modules

Some courses at BYU-Idaho have been approved as substitutions for Foundations courses. Students will typically opt to take the substitution courses if they are required as part of their major.

Eternal Truths: There are no substitution modules for Religion courses.

Academic Fundamentals: Substitutions can be made for FDENG 201 and FDMAT 108.

FDENG 201 (3 credits)

Take B 220

FDMAT 108 (3 credits)

Take one of the following: FDMAT 110, FDMAT 112, MATH 109, MATH 113, MATH 215, or ECON 215; and

Take FDMAT 108T

FDMAT 108 (3 credits)

Take one course: ECON 215 or any FDMAT or MATH course numbered 112 or higher; and

Take one course: MATH 221A, MATH 221B, MATH 221C, MATH 325, MATH 330, ECON 278, AGBUS 430, or B 212; and

Take one course: B 301, B 433, HS 345, ME 380, CE 470, ECON 453, ECON 455, or AGBUS 440

Science: Two possible substitutions exist for the 200-level FDSCI Issues in the Sciences courses.

200-level FDSCI courses (5 credits total)

Take 4 credits: CHEM 101, CHEM 101L, or CHEM 105; and

Take 4 credits: ME 201, PH 105, PH 121, PH 123, PH 127, PH 150, PH 220, PH 223, or PH 250

200-level FDSCI courses (5 credits total)

Take 8 credits: AS 215, AS 355, AS 495, BIO 180, BIO 181, BIO 204, BIO 208, BIO 221, BIO 222, BIO 225, BIO 264, BIO 265, BIO 302, BIO 352, or BIO 386; and

Take 4 credits: CHEM 101, CHEM 101L, CHEM 105, CHEM 106, CHILD 210, ESS 375, HRHP 359, HS 320, PSYCH 111, PSYCH 201, PSYCH 342, PH 101, PH 105, RM 342, RM 423, or SOC 111

Cultural Awareness: There are two possible substitutions for FDCA 101 and the 200-level FDCA Cultural Awareness courses.

FDCA 101 and a 200-level FDCA course (5 credits total)

Take HUM 201 and HUM 202; and

Take one of the following courses: FDCA 201, FDCA 202, FDCA 203, FDCA 204, FDCA 205, FDCA 206, FDCA 299, or HUM 342

FDCA 101 and a 200-level FDCA course (5 credits total)

Take the following courses: MUSIC 101, MUSIC 301, MUSIC 302, and MUSIC 303

Connections: There are no substitution modules for the Foundations Capstone.

Recommended Sequence for Foundations Courses

Students are encouraged to take one religion class each semester, until they have completed the required number of FDREL classes. After that, students are invited to enroll in an Institute of Religion class each semester. Most FDREL courses do not have prerequisites, so they can be taken in any order. For example, a student may take FDREL 122 before taking FDREL 121.

It is recommended that full-time students enroll in two or possibly three Foundations courses their first semester. These courses might include FDENG 101, FDAMF 101, FDSCI 101, FDCA 101, or FDMAT 108. The remainder of the schedule is used to explore a field of study.

Foundations enriches the educational experience at BYU-Idaho. Students should spread out their Foundations courses, rather than trying to get through them in a few semesters.

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Course Descriptions

Credits*

Eternal Truths

Book of Mormon courses

FDREL 121 Book of Mormon (2:2:0)
Required for graduation. A study of the content and teachings of the Book of Mormon, from 1st Nephi through Alma 29.
(Winter, Spring, Fall)

FDREL 122 Book of Mormon (2:2:0)
Required for graduation. A study of the content and teachings of the Book of Mormon from Alma 30 through Moroni.
(Winter, Spring, Fall)

Family Foundations course

FDREL 200 Family Foundations (2:2:0)
Required for graduation. This course centers on “The Family: A Proclamation to the World” and develops gospel doctrines and principles pertaining to a successful and happy marriage and family life. Practical skills required to achieve and sustain provident living will also be explored and practiced.
(Winter, Spring, Fall)

Scripture-based courses

FDREL 211 New Testament (2:2:0)
A study of the life and teachings of Jesus Christ as recorded in the four gospels.
(Winter, Spring, Fall)

FDREL 212 New Testament (2:2:0)
A study of the early church and epistles from Acts through Revelation.
(Winter, Spring, Fall)

FDREL 301 Old Testament (2:2:0)
A study of the Old Testament from Genesis through 2 Samuel, with an emphasis on doctrine and principles.
(Winter, Spring, Fall)

FDREL 302 Old Testament (2:2:0)
A study of the Old Testament from The Kings through Malachi.
(Winter, Spring, Fall)

FDREL 324 Doctrine and Covenants (2:2:0)
A study of the history, content, doctrine, and covenants found in sections 1 through 76 of the Doctrine and Covenants.
(Winter, Spring, Fall)

FDREL 325 Doctrine and Covenants (2:2:0)
A study of the history, content, doctrine, and covenants in sections 77 through Official Declaration 2.
(Winter, Spring, Fall)

FDREL 327 Pearl of Great Price (2:2:0)
The study of the Pearl of Great Price with an emphasis on the doctrines, history and content found in this book of scripture.
(Winter, Spring, Fall)

FDREL 404 Writings of Isaiah (2:2:0)
Fulfills Foundations requirement.
An indepth study of the history and writings of the Prophet Isaiah.
(Winter, Spring, Fall)

Additional religion courses

FDREL 100 Introduction to Mormonism (2:2:0)
This course introduces students to the doctrine and principles of The Church of Jesus Christ of Latter-day Saints as well as the history and organization of the Church. This course is designed for students belonging to other religious traditions or who have recently become new members of the Mormon faith.
(Winter, Spring, Fall)

FDREL 130 Missionary Preparation (2:2:0)
A course designed to help prepare students for missionary service by utilizing principles that reflect and supplement the emphasis taught in the “Preach My Gospel” missionary approach. This course is highly recommended for all pre-missionaries.
(Winter, Spring, Fall)

FDREL 150 Provident Living (2:1:2)
A course designed to assist students in applying gospel principles in their personal lives. It is composed of classroom instruction in doctrinal and temporal matters, coupled with a lab where principles of provident living are put into practice.
(Winter, Spring, Fall)

FDREL 190 Special Topics in Scripture (1-3:0:0)
Repeatable Course: may earn maximum of 3 credits
For BYU-Idaho students facing special credit situations and for BYU-Idaho travel study students--taught in the term of the travel study--with topics selected which will focus on history, scripture, and culture of those lands visited.
(Winter, Spring, Fall)

FDREL 215 Scripture Study (2:2:0)
A course designed to help students gain confidence in understanding the scriptures. The focus is on gaining skills for successful personal scripture study.
(Winter, Spring, Fall)

FDREL 234 Preparing for Eternal Marriage (2:2:0)
This class allows the student to examine the many different issues that lead to one's being successfully sealed in the temple of the Lord.
(Winter, Spring, Fall)

FDREL 235 Building an Eternal Marriage (2:2:0)
A study of the doctrines, principles, and practices which will establish a successful, gospel-centered eternal marriage.
(Winter, Spring, Fall)

FDREL 261 Introduction to Family History (2:2:0)
Students will learn the doctrines surrounding family history and temple work. Skills associated with gathering, preserving, researching, and sharing family records, as well as doing temple work for ancestors will be introduced.
(Winter, Spring, Fall)

FDREL 333 Teachings of the Living Prophets (2:2:0)
This course centers its emphasis on the role, function, and teachings of living prophets, seers, and revelators as building blocks of faith in a world of challenge and confusion.
(Winter, Spring, Fall)

FDREL 341 Church History (2:2:0)
A study of the history and doctrine of The Church of Jesus Christ of Latter-day Saints through June 1844, including the martyrdom of the prophet Joseph Smith.
(Winter, Spring, Fall)

FDREL 342 Church History (2:2:0)
A study of the history and doctrine of the Church of Jesus Christ of Latter-day Saints from 1844 to 1901.
(Winter, Spring, Fall - rotating)

FDREL 343 Church History (2:2:0)
A study of the history and doctrine of the Church of Jesus Christ of Latter-day Saints from 1901 to the present.
(Winter, Spring, Fall - rotating)

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FDREL 351 World Religions

(2:2:0)

A study of religions of the world such as Buddhism, Islam, Hinduism and Judaism. Designed to introduce members of the Church to the beliefs of other world faiths and their development with an emphasis on their relationship to the doctrines of the restored Church of Jesus Christ of Latter-day Saints.
(Winter, Spring, Fall)

FDREL 352 Christian History

(2:2:0)

An introduction of the history and doctrines of Christianity from Apostolic times--through the Roman period--into the early development of the Catholic and Orthodox churches, the Middle ages, the Reformation, and up to the Restoration of the Church of Jesus Christ of Latter-day Saints.
(Winter, Spring, Fall)

FDREL 390R Special Topics in Religion

(1-2:1-2:0)

Repeatable Course: may earn maximum of 2 credits per 390R course
Prerequisites: FDREL 121, FDREL 122, FDREL 200, FDREL 121P, FDREL 122P
Fulfills Foundations requirement.

Topical studies in religion, based on teacher expertise.
(Winter, Spring, Fall)

FDREL 431 Doctrines of the Gospel

(2:2:0)

A study of the basic doctrines of The Church of Jesus Christ of Latter-day Saints as taught in the scriptures and by Latter-day prophets.
(Winter, Spring, Fall)

FDREL 471 Methods of Teaching Seminary

(2:2:0)

This course helps students become more effective teachers. It prepares students to teach the scriptures and provides them with several teaching experiences, both in class and in a seminary setting. During the course, students are evaluated and screened for Religion 475. Students will observe at least 2-3 classes and teach 5-8 hours in released time seminary.
(Winter, Spring, Fall)

FDREL 475 Seminary Teaching Seminar

(2:2:0)

Prerequisites: FDREL 471
(by Instructor permission only) This course deals with current teaching issues and needs. Trainees are also employed part-time and may teach from one to three classes of seminary each day. Trainees are observed to determine whether they should be considered for a full-time seminary teaching position.
(Winter, Spring, Fall)

Academic Fundamentals

FDENG 101 Writing and Reasoning Foundations

(3:3:0)

Fulfills Foundations requirement.
Prerequisites: Students must have an ACT English score of at least 16 or an SAT English score of 400 or ENG 106 with a B or ENG 109 with a B
An introduction to academic inquiry and writing, laying the foundation for further academic and professional development. Students will learn to think and read critically and practice the writing process, including invention, research, summary, synthesis and analysis, revision, and editing. Students will work on several major writing assignments, including a research project in which they will gather information from a range of valid sources, demonstrating they can analyze and use that information purposefully, following appropriate documentation.
(Winter, Spring, Fall)

FDENG 201 Advanced Writing and Critical Thinking

(3:3:0)

Fulfills Foundations requirement.
Prerequisite: FDENG 101 and at least 22 credits
Help students learn how to reason carefully and express ideas clearly. Students develop these competencies as they learn to recognize strong arguments, uncover assumptions, evaluate evidence, recognize rhetorical patterns, and infer ideas from data. To apply their understanding of these skills, students write summaries, essays synthesizing ideas from diverse sources, critiques of arguments, and research papers that focus on issues relevant to their majors.
(Winter, Spring, Fall)

FDMAT 108 Mathematical Tools for the Real World

(3:3:0)

Fulfills Foundations requirement.
Prerequisites: Students must have an ACT Math score of at least 18 or an SAT math score of 430 or ALEKS test score of 38 or MATH 100B with a B or MATH 101 with a B or MATH 100G with a B

This class prepares students to understand, analyze, and solve real-life problems that require quantitative reasoning. Topics include the meaning of probabilities, how to read, critique, and apply statistical information found in news reports, public policy debates, consumer reports, and other daily life and professional situations; the use of mathematical models in describing, understanding, and making predictions about real world phenomena; and the mathematics of loans and investments. Topics will be illustrated by examples and applications from current events, daily life, business, and natural phenomena. Mathematical Tools for the Real World is to inspire students to act wisely when faced with quantitative challenges in collegiate coursework, employment, and daily living.
(Winter, Spring, Fall)

FDMAT 108T Math for the Real World Test

(1:0:0)

Prerequisite: Successful completion of one of the following foundations courses: FDMAT 110, FDMAT 112, Math 109, Math 111, Math 113, Math 114, Math 119, Math 215, or Econ 215
This pass/fail online-based course allows students who have already had a Foundations mathematics course, to explore the contemporary topics of finance math, linear and exponential modeling, probability, and statistical reasoning. It will satisfy part of the BYU-Idaho Foundations quantitative reasoning requirement and contains the most vital topics of the traditional 3.0-credit FDMAT 108. Completion of the course includes passing both a financial mathematics exam and statistical reasoning exam along with a financial life-planning spreadsheet project. Students may take FDMAT 108T one time only. Failure of FDMAT 108T would require the students to take the traditional 3.0 credit FDMAT 108 course to complete the Foundations quantitative reasoning requirement.
(Winter, Spring, Fall)



Science

- FDSCI 101 Science Foundations (2:2:0)**
 Fulfills Foundations requirement.
 An introduction to the nature, practice, power, and limitations of science, as well as relationships between science and religion, and science and society. These topics are explored through the study of selected episodes of scientific discovery that demonstrate methodical and creative aspects of scientific inquiry, and the self-correcting nature of science.
 (Winter, Spring, Fall)
- FDSCI 200 Energy in the 21st Century (3:3:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 This course provides an introduction to the sciences and the issues related to energy production and use. It also explores alternatives to current energy technology.
 (Winter, Spring, Fall)
- FDSCI 201 Natural Disasters: Man and the Dynamic Earth (3:3:0)**
 Fulfills Foundations requirement.
 Fee: \$18.00
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 Examine the causes and consequences of natural hazards including earthquakes, volcanoes, landslides, floods, and coastal hazards. Students work in a team environment and examine case studies of ancient and modern events, emphasizing effects on science, engineering, history, economics, politics, and the arts. Study lessons learned from past events and determine what is being done or should be done to mitigate future disasters. Class includes a field trip.
 (Winter, Spring, Fall)
- FDSCI 202 Issues in Global Climate Change (2:2:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 This course provides an introduction to the issues involved in global climate change with an emphasis on understanding the science of global warming and greenhouse gases.
 (Winter, Spring, Fall)
- FDSCI 203 Environmental Stewardship (2:2:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 As individuals, it is often difficult to see or understand the consequences our decisions, actions, or existence may have on our environment and those around us. The purpose of this class is to show the effects each of us has as a member of a worldwide population of over seven billion, and the effects our population has on a local, regional, and global scale. The focus will be on how individually and collectively we impact the quality of our environment and human living conditions for both good and bad. Case studies will be used to examine an array of ecological, biological, agricultural, technological, economical, social, political and other issues associated with a burgeoning human population. Class members will receive a foundation whereby they can make informed choices about their life, family, and community, and be better stewards of Earth's resources.
 (Winter, Spring, Fall)
- FDSCI 204 The American Epidemic: Diabetes and Cardiovascular Disease (3:3:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 Cardiovascular disease and Diabetes are leading causes of death and morbidity in the U.S. Both of these diseases are highly correlated with lifestyle choices. In this course students will study the physiologic mechanisms associated with these diseases as well as how lifestyle choices influence the diseases. Students will be expected to develop and implement personal programs to facilitate life-long health and wellness.
 (Winter, Spring, Fall)

- FDSCI 205 Understanding DNA and Related Health Issues and Technologies (3:3:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 The structure of DNA stands as one of the greatest discoveries of the 20th century and has led to multi-billion dollar advancements in medicine and agriculture. An understanding of DNA and its applications is necessary to distinguish fact from fiction, make informed decisions, and take full advantage of emerging DNA technologies. This course presents the fundamental concepts related to DNA including its history, structure, function, regulation, and inheritance. The remaining course material explores multiple issues and topics that are founded in DNA technology. These include the causes and treatments associated with genetic disorders, the creation of genetically modified foods, identification through DNA fingerprinting, tracing of family lineages, the applications and ethics of cloning and stem cell technology, and the underlying mechanism of organic evolution. Course methods include lecture, discussion, and hands-on exercises related to the subject material.
 (Winter, Spring, Fall)
- FDSCI 206 Light & Sound: The Science of Vision & Hearing (3:3:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 This course covers the physical characteristics of light and sound, the biological nature of eyes and ears, and the sensation of vision and hearing through our brain's perceptual abilities. Students will evaluate the influence of music, movies, advertising, and video games on the human mind and behavior.
 (Winter, Spring, Fall)
- FDSCI 208 Introduction to Robotics (3:3:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 This course provides a hands-on approach to the fundamentals of robotics, including how robots sense, move, and make decisions. Students will build and configure robots to solve basic real-world problems and analyze their performance. The class will also explore ethical and environmental issues related to robotics.
 (Winter, Spring, Fall)
- FDSCI 209 How to Build a Habitable Planet (3:3:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 We live on the only inhabited planet we've discovered so far. Through modern science, we have learned much about what makes a planet habitable and how one might be created. It was not a trivial undertaking! This course explores (a) the origin of the atoms from which planets and life are made; (b) the origin and structure of the universe, galaxies, stars, our solar system, and Earth; (c) the origin and function of Earth's atmosphere, oceans, and continents; and (d) how has Earth maintained habitability through time. In addition, the course will strengthen our ability to form and defend interpretations based on observations.
 (Winter, Spring, Fall)
- FDSCI 210 Neanderthals and Other Successes (2:2:0)**
 Fulfills Foundations requirement.
 Prerequisite: FDSCI 101, FDENG 101, Foundations Math Requirement.
 Ours is a planet of life. Evidence from fossils and molecules suggests that organisms have thrived on Earth for billions of years. However, less than one percent of the species that have ever existed on our planet are still alive today. What caused some species to succeed while others failed, and how did life on Earth begin in the first place? From the earliest bacteria to humans and their civilizations, this course addresses the origins, evolution, and extinction of life on earth based on evidence from chemistry, biology, geology, and related sciences.
 (Winter, Spring, Fall)
- FDSCI 299 Topics in Interdisciplinary Science (2:3-2:3-0-2)**
 Fulfills Foundations requirement.
 Special Topics in Science Foundations. Students will study a topic dealing with a scientific issue. The topic is determined by a faculty team and approved by the Foundations office. This course counts toward the 200-level Science requirement.

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Cultural Awareness

FDAMF 101 American Foundations

(3:3:0)

Fulfills Foundations requirement.

The history of the United States holds lessons for people everywhere. This course examines the full range of American history with the goal of better understanding the political, economic, and cultural ideals and institutions that explain the successes and limitations of the United States. This course also has interdisciplinary elements and draws deeply from political science, cultural studies, and economics to illuminate the American past. (Winter, Spring, Fall)

FDCA 101 Foundations of Humanities

(3:3:0)

Fulfills Foundations requirement.

Introduction to the Humanities. Students will examine key works in the arts from Renaissance through the early 20th Century, their historical and cultural context, and the artistic principles that contribute to their significance. Students will then apply these principles in their own creative work, and in making value assessments about the arts. (Winter, Spring, Fall)

FDCA 201 Global Hotspot: Pakistan at the Crossroads of Conflict

(2:2:0)

Fulfills Foundations requirement.

Prerequisite: FDAMF 101, FDENG 101

Few countries in the world are more strategically critical yet less understood than Pakistan. This young country in an ancient land lies at the crossroads of history, religion, language, and culture. On the front-line in the war against terror, this nuclear power is in the midst of political turmoil whose outcome will have great implications for the rest of the world. (Winter, Spring, Fall)

FDCA 202 The Developing World

(2:2:0)

Fulfills Foundations requirement.

Prerequisite: FDAMF 101, FDENG 101

This two-credit interdisciplinary course addresses the challenges of uneven development and modernization faced by developing nations in an increasingly globalized world. Unlike other courses in the Cultural Foundations Area, which focus on the specific country, this course provides a more comprehensive treatment of nations and the issues of development facing the entire world. Multiple countries are examined in comparative analysis, illuminating similarities and differences in response to common forces such as globalization. (Winter, Spring, Fall)

FDCA 203 The Middle East

(2:2:0)

Fulfills Foundations requirement.

Prerequisite: FDAMF 101, FDENG 101

The Middle East has played a significant role in world history. Its present-day turmoil and potential impact on the future make it no less significant today. This course will introduce students to Middle East history, geography, politics, culture, religion, and current issues the region is facing. (Winter, Spring, Fall)

FDCA 204 Art and Propaganda in the 20th Century

(3:3:0)

Fulfills Foundations requirement

Prerequisite: FDCA 101, FDENG 101

This course will focus on the use of propaganda, art, and other forms of persuasion starting with the Modern Era (approximately post-1860) and continuing to the present. Students will experience this topic through various social issues and cultural influences from around the world, including the visual, performing, and literary arts. This course emphasizes the development of aesthetic judgment and critical thinking.

Note: Students cannot receive credit for both FDCA 204 and FDHUM 103 (a course which no longer exists.)

(Winter, Spring, Fall)

FDCA 205 China

(2:2:0)

Fulfills Foundations requirement.

Prerequisite: FDAMF 101, FDENG 101

The rise of China as a major player on the international stage over the past few decades has been breathtaking. This interdisciplinary course introduces students to some of the key challenges which face China today through the study and analysis of topics such as population, politics, geography, economics, culture and the environment. (Winter, Spring, Fall)

FDCA 206 Great Books of the World

(2:2:0)

Fulfills Foundations requirement.

Prerequisite: FDCA 101, FDENG 101

A study of great books from ancient times to the early 20th Century. A deep reading of literary masterpieces in a variety of cultural, aesthetic, and historical contexts. (Winter, Spring, Fall)

FDCA 299 Topics in Cultural Awareness

(2:2:0)

Fulfills Foundations requirement.

Prerequisite: FDAMF 101, FDENG 101

Special Topics in Cultural Awareness. Students will study a topic dealing with some aspect of international studies or the humanities. The topic is determined by a faculty team and approved by the Foundations office. This course fills the 200-level Foundations of Cultural Awareness requirement. (Winter, Spring, Fall)

FDWLD 101 World Foundations I

(2:2:0)

Fulfills Foundations requirement.

Prerequisite: FDAMF 101, FDENG 101

This course is part of a two-course sequence. Taking BOTH World Foundations 101 and World Foundations 201 completely satisfies the Cultural Foundations requirement.

World Foundations 101 is the first half of a two-course sequence that examines great world civilizations through literature, art, music, philosophy, and history. (Winter, Spring, Fall)

FDWLD 201 World Foundations II

(3:3:0)

Fulfills Foundations requirement.

Prerequisite: FDWLD 101

World Foundations II is the second half of a two-course sequence that examines great world civilizations through literature, art, music, philosophy, and history. Two aspects of this course give it power. First, the integration of disciplines—literature, art, architecture, history, religion, philosophy, music and politics—in our study of various civilizations should produce a rich appreciation for the immense potential of the human spirit. Second, the use of two themes—redemption and moral revelation—throughout the two courses will provide a point of view that can help you, the student, make connections between the cultures, civilizations, and periods of time that we study and explore how God strives with his children to help them reach their potential.

Taking both FDWLD 101 and FDWLD 201 can substitute for the requirement to take FDCA 101 and a 200-level FDCA course. (Winter, Spring, Fall)

Connections

FDCNC 350 Foundations Capstone: Analytical Thinking and Moral Judgment

(2:2:0)

Fulfills Foundations requirement.

Fee: \$5.00

Course Requirements: Student must have completed 60 credit hours.

This course invites students to consider morally challenging personal and public issues about which decisions must inevitably be made. Students will be asked to reflect upon their testimony and personal values, recognize the elements of decision-making, and refine their use of reasoning, faith and empathy in order to make sound moral decisions. Critical thinking skills, mutual respect, and a spirit of civic engagement lie at the heart of Foundations Capstone. (Winter, Spring, Fall)

Foundations Requirements - Bachelors Degree

Eternal Truths		Academic Fundamentals		Science		Cultural Awareness	
14 Credits		9 Credits		7 Credits		8 Credits	
Family Foundations <i>Take this course:</i> FDREL 200 2		Reading & Writing <i>Take this course:</i> FDENG 101 3		Scientific Foundations <i>Take this course:</i> FDSCI 101 2		American Foundations <i>Take this course:</i> FDAMF 101 3	
AND (Other Religion Courses)		Advanced Writing <i>Take this course:</i> FDENG 201 3		Issues in the Sciences <i>Take five credits:</i>		Choose 1 option:	
Book of Mormon <i>Take these courses:</i> FDREL 121 2 FDREL 122 2		Quantitative Reasoning <i>Take this course:</i> FDMAT 108 3		FDSCI 200 3 FDSCI 201 3 FDSCI 202 2 FDSCI 203 2 FDSCI 204 3 FDSCI 205 3 FDSCI 206 3 FDSCI 208 3 FDSCI 209 3 FDSCI 210 2 FDSCI 299 3		Option 1: Cultural Awareness <i>Take this course:</i> FDCA 101 3	
AND (Scripture Based Courses)		OR		Take one course:		Option 2: World Foundations <i>Take these courses:</i> FDWLD 101 2 FDWLD 201 3	
Take 4 Credits FDREL 211 2 FDREL 212 2 FDREL 301 2 FDREL 302 2 FDREL 324 2 FDREL 325 2 FDREL 327 2 FDREL 404 2		FDMAT 110 3 FDMAT 112 4 MATH 109 5 MATH 113 3 MATH 215 4 ECON 215 4		FDSCI 209 3 FDSCI 210 2 FDSCI 299 3		AND Take one course: FDCA 201 2 FDCA 202 2 FDCA 203 2 FDCA 204 2 FDCA 205 2 FDCA 206 2 FDCA 299 2	
FDREL 100 2 FDREL 130 2 FDREL 190 1-3 FDREL 215 2 FDREL 234 2 FDREL 235 2 FDREL 261 2 FDREL 333 2 FDREL 341 2 FDREL 342 2 FDREL 343 2 FDREL 351 2 FDREL 352 2 FDREL 390R 2 FDREL 431 2 FDREL 471 2 FDREL 475 2		AND		FDMAT 108T 1		Connections 2 Credits Analytical Thinking and Moral Judgment FDCNC 350 2	
40 credits							

Foundations Requirements - Associate's Degree

Eternal Truths		Academic Fundamentals		Science		Cultural Awareness	
8 Credits		9 Credits		7 Credits		8 Credits	
Family Foundations <i>Take this course:</i> FDREL 200 2		Reading & Writing <i>Take this course:</i> FDENG 101 3		Scientific Foundations <i>Take this course:</i> FDSCI 101 2		American Foundations <i>Take this course:</i> FDAMF 101 3	
AND (Other Religion Courses)		Advanced Writing <i>Take this course:</i> FDENG 201 3		Issues in the Sciences <i>Take five credits:</i>		Choose 1 option:	
Book of Mormon <i>Take these courses:</i> FDREL 121 2 FDREL 122 2		Quantitative Reasoning <i>Take this course:</i> FDMAT 108 3		FDSCI 200 3 FDSCI 201 3 FDSCI 202 2 FDSCI 203 2 FDSCI 204 3 FDSCI 205 3 FDSCI 206 3 FDSCI 208 3 FDSCI 209 3 FDSCI 210 2 FDSCI 299 3		Option 1: Cultural Awareness <i>Take this course:</i> FDCA 101 3	
AND		OR		Take one course:		Option 2: World Foundations <i>Take these courses:</i> FDWLD 101 2 FDWLD 201 3	
FDREL 100 2 FDREL 130 2 FDREL 190 1-3 FDREL 211 2 FDREL 212 2 FDREL 215 2 FDREL 234 2 FDREL 235 2 FDREL 261 2 FDREL 301 2 FDREL 302 2 FDREL 324 2 FDREL 325 2 FDREL 327 2 FDREL 333 2 FDREL 341 2 FDREL 342 2 FDREL 343 2 FDREL 351 2 FDREL 352 2 FDREL 390R 2 FDREL 404 2 FDREL 431 2 FDREL 471 2 FDREL 475 2		FDMAT 110 3 FDMAT 112 4 MATH 109 5 MATH 113 3 MATH 215 4 ECON 215 4		FDMAT 108T 1		AND Take one course: FDCA 201 2 FDCA 202 2 FDCA 203 2 FDCA 204 2 FDCA 205 2 FDCA 206 2 FDCA 299 2	
32 credits							

Foundations Requirements - AAS Requirements

Eternal Truths		Academic Fundamentals				
8 Credits		AND		9 Credits		
Family Foundations	<i>Take one course:</i>			Reading & Writing		
<i>Take this course:</i>	FDREL 100 2			<i>Take this course:</i>		
FDREL 200 2	FDREL 130 2			FDENG 101 3		
	FDRE: 190 1-3					
Book of Mormon	FDREL 211 2			Quantitative Reasoning		
<i>Take these courses:</i>	FDREL 212 2			<i>Take this course:</i>		
FDREL 121 2	FDREL 215 2			FDMAT 108 3		
FDREL 122 2	FDREL 234 2			OR		
	FDREL 235 2			<i>Take 1 course:</i>		
	FDREL 261 2			FDMAT 110 3		
	FDREL 301 2			FDMAT 112 4		
	FDREL 302 2			MATH 109 5		
	FDREL 324 2			MATH 113 3		
	FDREL 325 2			MATH 215 4		
	FDREL 327 2			ECON 215 4		
	FDREL 333 2					
	FDREL 341 2			AND		
	FDREL 342 2			FDMAT 108T 1		
	FDREL 343 2					
	FDREL 351 2			Advanced Writing		
	FDREL 352 2			<i>Take this course:</i>		
	FDREL 390R 2			FDENG 201 3		
	FDREL 404 2					
	FDREL 451 2					
	FDREL 471 2					
	FDREL 475 2					
						17 credits