

Classical Civilization

mechanisms including isotope effects and solvent effects and the quantitative correlation of structure to reactivity including substituent effects. Other advanced topics of the instructor's choice, such as orbital symmetry and pericyclic reactions, also may be included.

Prerequisite: 202

440 Biochemistry I

The chemistry of biological molecules. Emphasis on the structure, energetics, kinetics and mechanisms of biologically important molecules. Topics include: protein structure; enzyme kinetics, mechanisms and regulation; anabolic and catabolic pathways; structure, organization and regulation of nucleic acids; bioenergetics; protein synthesis; and student-chosen special topics. Laboratory integrated with lecture topics: protein isolation; enzyme kinetics and mechanisms; DNA isolation, plasmid mapping, sequencing, protein synthesis and sequencing; lipids and vesicles; student chosen special projects. Lecture plus four laboratory hours per week.

Prerequisite: 202

442 Biochemistry II

Continuation of Biochemistry I (440). Lecture plus four laboratory hours per week.

Prerequisite: 440

475, 476, 477, 478 Experiential Learning

See the description of these courses at the beginning of the "Departments and Curricula" section of this catalog.

481, 482, 483, 484 Student Seminar

This sequence of courses is begun first semester of the junior year and progresses for a total of four semesters. The first (481) and last (484) courses are each one credit and are graded on the usual letter grade scale. The interior two courses (482, 483) are no credit and are graded on a pass-fail basis (S/R). Throughout all four courses meetings are held with seminars given by guest speakers. UST faculty also present seminars on their own research. In 481, juniors are introduced to the chemical literature and search techniques including use of computer databases and write a short paper based on literature research. In 483, seniors meet in small groups with faculty and discuss articles from the chemical literature. In 484, seniors research a topic from the chemical literature and present it in both written and oral formats. Required of all chemistry majors.

487, 488, 489, 490 Topics

The subject matter of these courses, announced in the annual *Class Schedule*, will vary from year to year, but will not duplicate existing courses. See the description of these courses at the beginning of the "Departments and Curricula" section of this catalog.

491, 492, 493, 494 Research

See the description of these courses at the beginning of the "Departments and Curricula" section of this catalog.

495, 496, 497, 498 Individual Study

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Classical Civilization (CLAS)

Director to be announced

The study of Classical civilization – the cultures of ancient Greece and Rome and their relationship to the societies of the Mediterranean and the Near East – is the origin and foundation of the modern university. To this day, it continues to be a model of an interdisciplinary approach to the study of culture, combining fields of literature and language, history, archaeology and art history, religious studies, and philosophy.

The Classical Civilization major at St. Thomas provides an opportunity for students to integrate various disciplines in the study of a subject. It also provides an awareness of the origins of modern culture and religion and the influence of other ancient cultures of the Near East and Egypt upon its formation. This interdisciplinary program includes an introductory foundation course, a series of courses from a variety of supporting disciplines, and a capstone senior paper requirement.

Major in Classical Civilization

CLAS	245	Classical Mythology
CLAS	397	Topics
CLAS	480	Senior Paper
ENGL	330	The Classical Tradition
HIST		300-level ancient history course approved by director
PHIL	200	Introduction to Classical Philosophy

Classical Civilization

Plus one of:

GRK 212 Intermediate Greek II (prerequisites may be necessary)
LAT 212 Intermediate Latin II (prerequisites may be necessary)
GRK or LAT Four credits numbered above 212

Plus one of:

ARTH 305 Greek Art and Archaeology
ARTH 310 Roman Art and Archaeology

Plus two of the following courses not already taken above:

ARTH 305 Greek Art and Archaeology
ARTH 310 Roman Art and Archaeology
COMM 440 Classical Rhetoric
GRK additional course
HIST 302 Classical and Early Hellenistic Greece
HIST 304 The Roman Republic and the Early Principate
HIST 306 The World of Late Antiquity: A.D. 284-641
HIST 307 The Church in the Roman Empire to A.D. 395
LAT additional course
PHIL 230 Greek Philosophers on the Foundations of Knowledge
PHIL 320 Aristotelian Logic
THEO 210 New Testament
THEO 220 Early Christian Theology
THEO 319 Creeds, Councils, and Controversies of the Early Church
THEO 342 Greek Reading and Exegesis: John

Allied requirements:

HIST 111 Origins of the Modern World to 1550

245 Classical Mythology

Mythology is the embodiment and encoding of the beliefs, principles, and aspirations of ancient cultures. This course provides an interdisciplinary introduction to mythology as an introduction and foundation to Classical civilization. Myths will be examined from a variety of perspectives, including the study of literature in translation, art historical, religion, and history.

397 Topics

The subject matter of the course, announced in the annual *Class Schedule*, will vary but will not duplicate existing courses.

480 Senior Paper

0 credit

During the senior year or earlier majors are expected to write a major research paper with an abstract and to describe the results of their research in a short oral presentation to a panel of faculty. Normally this requirement is accomplished by rewriting and submitting a paper from one of the major field courses. The topic should be chosen in consultation with the program director and should be completed no later than 6 weeks prior to graduation. Papers will be presented to students and faculty at least annually at a symposium.

475, 476, 477, 478 Experiential Learning

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483, 484, 485, 486 Seminar

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