



UNIVERSITY of ST. THOMAS

Division of Academic Affairs



Orientation & Registration



2009 First Year
Registration Guide

MISSION

Inspired by Catholic intellectual tradition, the University of St. Thomas educates students to be morally responsible leaders who think critically, act wisely and work skillfully to advance the common good.

VISION

We seek to be a recognized leader in Catholic higher education that excels in effective teaching, active learning, scholarly research and responsible engagement with the local community as well as with the national and global communities in which we live.

CONVICTIONS

As a community we are committed to:

- **Pursuit of truth**

We value intellectual inquiry as a life-long habit, the unfettered and impartial pursuit of truth in all its forms, the integration of knowledge across disciplines, and the imaginative and creative exploration of new ideas.

- **Academic excellence**

We create a culture among faculty, students and staff that recognizes the power of ideas and rewards rigorous thinking.

- **Faith and reason**

We actively engage Catholic intellectual tradition, which values the fundamental compatibility of faith and reason and fosters meaningful dialogue directed toward the flourishing of human culture.

- **Dignity**

We respect the dignity of each person and value the unique contributions that each brings to the greater mosaic of the university community.

- **Diversity**

We strive to create a vibrant diverse community in which, together, we work for a more just and inclusive society.

- **Personal attention**

We foster a caring culture that supports the well-being of each member.

- **Gratitude**

We celebrate the achievements of all members of our community in goals attained and obstacles overcome, and in all things give praise to God.

WELCOME TO THE UNIVERSITY OF ST. THOMAS COMMUNITY!

We recognize that you are a unique individual, with your own academic interests as well as interests outside of the classroom. As you go through this Guide you may want to solicit feedback from friends or relatives about your course choices, but it is important to take ownership of your own academic life. In the end, your fall schedule (and eventually, your major and then your career) will be yours, and not someone else's.

You will be asked countless times about your intended major: it is fine to say "undecided"! St. Thomas offers over eighty majors. If you'd like to look at some of our majors, and think about what kinds of things you might do with those majors, please go to www.stthomas.edu/academiccounseling/major_list.htm.

About this Registration Guide:

This is your first college reading assignment! Read carefully!! As you go through this Guide, take a pen or highlighter, and mark any information that pertains to you, as well as highlighting all of the classes you might be interested in taking this fall.

Once you have read through the Guide you will be asked to complete a Course Preference worksheet, which you will submit online. This worksheet will be used by an academic counselor to pre-register you for one or more courses prior to summer orientation and registration.

The classes listed in this Registration Guide are suitable for first-semester students. The focus of this Guide is on ensuring that you have the information you need to choose classes you might take in the fall. During the fall semester you will meet with your faculty advisor to choose spring classes.

Keep in mind:

- Most classes at St. Thomas are 4 credits each.
- First-semester students may only take up to 17 credits (four regular classes, plus a one-credit course like band or choir); some students will choose to take three classes (12 credits) rather than four classes in their first semester.
- As you think about your fall schedule you'll want to have some top choice classes, as well as some backup choices. Be flexible!
- Some classes will have pre-requisites. A pre-requisite means you'll need to have taken another class first, or maybe you'll need to have achieved a certain level on a test in order to register for that course. This information will be noted in the course description.
- Many classes at St. Thomas are offered every semester, but there are some courses that are only offered in the Fall semester. This information will be noted in the course description.
- Read this Registration Guide with a pen in hand! This will help later when you complete the online worksheet.

A word about PSEO, IB, or AP Credit:

Some students have already satisfied some course requirements through Advanced Placement (AP), International Baccalaureate (IB), CIS (College in the Schools), or PSEO (Post-Secondary Educational Options) credit. If you have taken classes through PSEO or CIS you MUST arrange to have an official transcript from the college arrive at UST at least two weeks prior to attending summer orientation & registration. We'd also recommend bringing a copy of your transcript with you to orientation.

Transcripts should be mailed to:

Office of Admissions, Mail 32F-1
University of St. Thomas
2115 Summit Ave.
St. Paul, MN 55105-1096

If you have taken AP tests and have not yet had your scores sent to UST, call the College Board at 1-888-225-5427. The code for St. Thomas is 6110. In most subjects credit is given if you earn a 3 or higher; some subjects require a score of 4 or higher. For more information on specific AP tests go to www.stthomas.edu/academiccounseling. If you have taken IB tests those results should be posted in August: please let Academic Counseling know which IB tests you took before you register for classes.

If you have any questions, contact Academic Counseling at (651) 962-6300 or (800) 328- 6819, ext. 26300.

AN OVERVIEW OF A UST EDUCATION

- In order to earn a Bachelor of Arts (BA) degree from St. Thomas, students must earn a minimum of 132 credits
 - Most classes are worth 4 credits each, so students take a minimum of 33 classes to earn a degree
 - Of those 33 classes, 13-16 classes will be in the core curriculum
 - Most majors require 9-16 classes in the major
 - Most students will have room over 4 years to take some elective courses, or to pick up a minor or even a double major

So what is the core curriculum? It is the common liberal arts foundation that makes a St. Thomas education distinctive. In your first semester as a St. Thomas student it is likely that all of the courses you take will be in the core curriculum. The core curriculum requirements are outlined in detail, below.

LITERATURE & WRITING

St. Thomas requires at least two English classes (8 credits). Most students will take ENGL110, ENGL111, or ENGL190 in the fall, depending on their placement. The enclosed letter indicates the course for which you probably will register. **If you already have English credit from AP, IB, or PSEO, or if you have questions about your English placement, please call Academic Counseling at (651) 962-6300 or 1-800-328- 6819, ext. 26300, to discuss your correct English placement.**

ENGL 110, Intensive Writing: The course will provide students with intensive practice in writing, enabling them to adapt to the demands of differing rhetorical contexts. Emphasis on understanding writing processes and learning to respond thoughtfully to writing at various stages. Critical reading will be practiced as an integral part of the writing process. This course does not satisfy the English requirement at UST. Students must also complete ENGL 111 and ENGL 112. Offered as a paired course. Fall semester only.

ENGL 111, Critical Reading and Writing I: Fiction and Nonfiction Prose: Emphasis on reading and writing to explore ideas and to inform readers, with special attention to the writing process and to basic rhetorical concerns such as audience and purpose. Writing assignments will be linked to reading consisting primarily of prose fiction and non-fiction.

ENGL 190, Critical Reading and Writing: Major Genres: This course for specially qualified students combines the study of composition with the study of literary readings drawn from fiction, drama, poetry and nonfiction. The course emphasizes responsive engagement with literature and provides instruction in writing ranging from exploratory to the persuasive and analytical modes. Offered fall semester only.

LANGUAGE & CULTURE

St. Thomas offers courses in Arabic, French, German, Greek, Irish Gaelic, Japanese, Latin, and Spanish. Students must demonstrate

proficiency in a language through the first intermediate level (211). This may be achieved by:

- 1) beginning a new language at UST, and completing levels 111, 112, and 211;
- 2) continuing a language at St. Thomas that you had studied in high school, through the 211 level. You must take a placement test to enroll in a language you have previously studied—even if you wish to start over. We offer online tests in French, German, and Spanish: instructions for logging in to take one of these tests are included in the letter you received with this Guide. If you studied another language in high school please call the language department at 651-962-5150 or 1-800-328-6819, ext. 25150, to arrange to take a placement test;
- 3) testing above the 211 level in a placement test (if you test above 211 in an online test, there will be an additional in-person test once you are here on campus);
- 4) meeting with the language department chair if English is your second language or if you are fluent in another language not listed above. More information on this option can be found at www.stthomas.edu/academiccounseling/currentstudents.htm

MORAL & PHILOSOPHICAL REASONING

Students must take two Philosophy courses (8 credits) at UST: first PHIL 115, and then PHIL214.

PHIL 115, Philosophy of the Human Person: An examination of fundamental conceptions of the human person in ancient, medieval and modern philosophy. Possible topics include: the existence and immortality of the human soul, free will and determinism, the immateriality of the intellect, the relationship between mind and body, and the relevance of different conceptions of the human person for ethics and religion. Attention is given to relevant issues of human diversity. The development of logical and critical thinking receives special attention.

FAITH & THE CATHOLIC TRADITION

All students complete three Theology courses (12 credits), beginning with THEO 101.

THEO 101, The Christian Theological Tradition: This course is designed to acquaint students with the contents of the Bible and with Christian history, especially in the context of the Catholic tradition. Through careful reading of a core of common texts and a variety of written assignments, students are expected to attain a basic understanding of human experience in the light of major areas of theology, including revelation, God, creation, Jesus and the Church.

SOCIAL ANALYSIS

There is a one course (4 credits) Social Analysis requirement for all students. The following courses offered in Fall 2009 will fulfill this requirement (note: courses marked with an asterisk will satisfy the Social Analysis and the Human Diversity requirements).

ECON 251, Principles of Macroeconomics: An introduction to macroeconomics: national income analysis, unemployment, price stability, and growth; monetary and fiscal policies; international trade and finance; application of economic theory to current problems. Students should have a math placement of at least MATH101 and are expected to be able to use high school algebra.

ECON 252, Principles of Microeconomics: An introduction to microeconomics: theory of household (consumer) behavior, theory of the firm market structures, market failures, economic efficiency, factor markets, and income distribution. Students should have a math placement of at least MATH101 and are expected to be able to use high school algebra.

***GEOG 111, Human Geography:** This course explores the effects of social, economic, environmental, political, and demographic change from a geographic perspective. It introduces students to a broad range of topics, including the effects of population growth, human impact on the environment, economic development and globalization.

***GEOG 113 World Geography:** A country-by-country study of the world. The goal of this course is to emphasize whatever best explains the character of each country. This may be population, economics, resources, or any aspect of nature or humanity that gives an insightful understanding of each country.

***POLS 104, American Government in Comparative Perspective.** Provides an introduction to many basic concepts used to understand how and why political systems function, or quite often, why they fail to function. While an emphasis will be placed on the American system, we will also examine a number of countries from different parts of the world. We will ask a number of questions basic to an understanding of how and why governments function the way they do: what is the basis of

legitimacy in a government; where does power come from and how is it maintained; and what are the sources and causes of inequality and unequal representation in the affairs of the state. Finally, we also look at some basic tools of the political scientist and their use in everyday political analysis.

PSYC 111, General Psychology: An introduction to the research questions, concepts, theories, methods, and findings of psychological science. Although the selection varies with instructor, topics include brain function, psychological testing, sensation and perception, cognition (learning, memory, language), states of consciousness, motivation, human development, personality, origins and treatments of disorders, social behavior, stress and health, and applied psychology (workplace, community, environment).

***SOCI 100, Introduction to Sociology:** Introduction to the concepts, theories, methods and applications of the scientific study of society and social concerns. Enables students to understand the connections between the individual and larger social and cultural forces. Heightens awareness of the diversity of American and other societies.

***SOCI 110, Social Problems:** Contemporary American society is confronted with a number of serious problems. This course explores the causes, effects and proposed solution to some of the major social problems currently facing Americans. Special attention is given to issues confronting core institutions such as poverty, racism, sexism, drug and alcohol abuse, crime and sexual deviance.

FINE ARTS

St. Thomas students need to take one course (4 credits) in the area of Fine Arts, or participate for four semesters in any one of the music ensembles listed below. The following courses fulfill this requirement and are offered in the fall semester (note: courses marked with an asterisk will satisfy the Fine Arts and the Human Diversity requirements).

***ARTH 110, Introduction to Art History:** Through a series of case studies, this course examines the importance of art as cultural expression across time and from a global perspective. In each course section, students will analyze the style, subject, and patronage of works of art, and will explore art's relationship to religion, ideology, society and economy, gender roles, and the interaction of cultures. Case studies will include architecture, sculpture, painting and other arts, such as ceramics, textiles, and photography.

MUSC 115, Understanding Music and Culture: This course explores the classics of European and American music in their historical, cultural and social contexts. It will investigate the many ethnic, religious, political, philosophical, economic and scientific influences that have shaped these traditions. This course is designed to enable students, regardless of musical background or ability, to increase their understanding of music. The listening skill and knowledge acquired will provide a

foundation for students to become more critical and discerning listeners of music of all types.

***MUSC 130, World Music:** This course studies the phenomenon of music as an activity in peoples' lives. Models will be presented to provide a context in which music serves as part of larger social ritual. The music of selected cultures such as Africa, the Middle East, China, Japan, India, Native American and American popular music in addition to European classical music will be covered.

***MUSC216, Jazz in America:** The origins and history of jazz in the United States. Blues, ragtime, Dixieland, swing, bop, cool jazz, fusion, as well as other recent developments in jazz performances are investigated. An essential part of the course is the analysis and evaluation of recorded performances by outstanding jazz musicians.

***MUSC218, Black American Music:** Explores the history and musical practices of Black American artists and music dating from Francis Johnson of the late 18th century to contemporary artists. Styles examined and discussed begin with the formation of the spirituals, blues and jazz to contemporary concert composers, to Motown, soul, rap, and other popular American music forms. Only offered as a Paired Course with THEO101 this fall.

THTR 111, Introduction to the Theater: Foundation in theater and drama for the non-major beginning student; orientation to the dramatic tradition through consideration of plays and playwrights from the Greeks to the present; history of theatrical customs, traditions, and conventions as they affect modern stage design, acting, directing, costumes, make-up and criticism. Experience in seeing and analyzing play productions and in producing a play.

Students may also satisfy the Fine Arts requirement by participating in one of the six music ensembles listed below (1 credit per semester, students must take 4 semesters to complete the Fine Arts requirement):

MUSN 140, Women's Choir
MUSN142, Chamber Singers
MUSN143, Liturgical Choir
MUSN 160, Concert Choir
MUSN 185, Symphonic Band
MUSN 186, Symphonic Wind Ensemble

HISTORICAL STUDIES

All students must take one History course (4 credits) before graduation. Choices include:

HIST 111 Origins of the Modern World to 1550: Ancient origins of Eurasian traditions. The rise of Europe. Traditional societies in Europe and Asia. Foundations of modernization in the Renaissance Europe, Africa and America before Europe's expansion. Europe and the wider world.

HIST 112, The Modern World Since 1550: Sixteenth century European foundation and expansion throughout the world down to the end of the twentieth century. This course examines the resulting breakthroughs in communication and cultural exchanges between Western civilization and the Middle East, Asia, Africa, and Latin America. Emphasis is placed on the emergence of an interdependent global civilization.

HIST 113, Early America in a Global Perspective: Social, political, cultural and economic history of the peoples of North America from the European-American encounter through the aftermath of the U.S. Civil War. Special emphasis is given to the relation of minority groups (African Americans, American Indians, Hispanic peoples, European immigrants, etc.) to the dominant culture. Major themes include: colonization, slavery, revolution, nation building, territorial expansion, industrialization, reform movements, nativism, sectionalism and the Civil War.

HIST 114, The Modern U. S. in Global Perspective: Social, political, cultural and economic history of the peoples of the United States from the Reconstruction period to the present. Emphasis given to the relations of minority groups (African Americans, American Indians, Hispanic peoples, Asian and European immigrants, etc.) to the dominant culture, and to the changing role of the U.S. within its larger global context. Major themes include: Reconstruction, domestic and overseas expansion, industrialization, racism and nativism, world wars, the Cold War and movements of liberation and Latin American countries.

HIST115, The World Since 1900: An introduction to the history of the world since 1900. Focus on the historical processes which led the 20th century to the emergence of an interdependent world. Background on the establishment of Europe's world hegemony in the years leading up to WWI; the international order in Europe, Asia, & Africa & the internal conflicts which beset European civilization between the wars. Rise of Communism and Fascism, WWII, and the world order following 1945. Cold War between US and Soviet Union, and the problems facing some nations newly emerging from colonial domination.

HIST116, African American History in Global Perspective: An introductory social history survey of the African American experience in global perspective. This course will cover developments from the beginnings of the trans-Atlantic slave trade through the present. Topics included: West African cultures; origins of the international slave trade; African American life in the colonies and during the Revolution; development of slavery in global comparative perspective; resistance to slavery; the role of African Americans in the Civil War and Reconstruction eras; Jim Crow culture; African American culture; migration; black nationalism and independent Africa; the freedom movements of the North and South; and African American popular culture.

NATURAL SCIENCE & MATHEMATICAL & QUANTITATIVE REASONING

All students must take a total of three courses (12 credits) in the areas of Science, Math, and Quantitative Reasoning. The breakdown is as follows:

Mathematics

You must take at least one Math course (4 credits) at St. Thomas. Your Math placement is shown on the enclosed letter. You may take the Math course at the level listed OR any course below that level. If you wish to try to place higher than your indicated score, you should take the online mathematics placement exam. Instructions for logging in to this website are included in the letter. If you have AP, IB, or PSEO math credits, or if you have any questions about your Math score, you should contact either Academic Counseling (651) 962-6300 or (800) 328-6819, ext. 26300 or the director of the Math Resource Center (MaRC) at (651) 962-5529 or (800) 328-6819, ext. 25529.

Also note: some majors require particular Math courses. Please review the "Major Field Considerations" towards the back of this guide for specifics.

MATH 005, Basic Math Skills: This review of arithmetic and elementary algebra is designed to prepare the student to study MATH 100 or MATH 101. This non-credit course is designed as a self-directed study experience, with lectures scheduled only during J-term and summer sessions. Students will have access to textbook explanations, CD-ROMs and tutors to gain mastery of the material. Appropriate testing is done with tutors in the Math Resource Center.

MATH 100, Mathematical Sampler: This survey of basic mathematical concepts includes both modern and historical perspectives. Emphasis is on the development and appreciation of mathematical ideas and their relationship to other disciplines. Topics include: mathematical problem solving; sets; an introduction to randomness, probability and statistics (through application of the normal distribution); historical systems of numeration; mathematical techniques of counting (multiplication principle, Venn and tree diagrams, etc.); coordinate geometry; simple transformations; and patterns of symmetry. This course satisfies the general requirement for a course in math and is also recommended as a first course in math for prospective elementary teachers. [You must score a 19 or higher on the Math portion of the ACT or receive the appropriate score on the Math placement exam in order to enroll in this course.]

MATH 101, Finite Mathematics: Elementary set theory, linear equations and matrices, linear programming, finite probability, applications primarily in business and the social sciences. [You must score a 19 or higher on the Math portion of the ACT or receive the appropriate score on the Math placement exam in order to enroll in this course.]

MATH 108, Calculus With Review I: The first course of a two-course sequence designed to integrate introductory calculus material with the algebraic and trigonometric topics necessary to support that study. Review topics include: number systems, basic algebra, functions, Cartesian coordinate system, graphing and inverse functions. Calculus topics include limits, continuity, derivatives for algebraic functions, applications of derivatives and more graphing. This course is intended only for students planning to take MATH 109, Calculus with Review II and does not satisfy the Mathematics requirement in the core curriculum. [You must score a 22 or higher on the Math portion of the ACT or receive the appropriate score on the Math placement exam in order to enroll in this course.]

MATH 111, Calculus for Business and Social Science: An introductory course in calculus with motivation and examples drawn from business and the social sciences whenever possible. Does not include the calculus of trigonometric functions. Not appropriate for science majors. [You must score a 24 or higher on the Math portion of the ACT or receive the appropriate score on the Math placement exam in order to enroll in this course.]

MATH 113, Calculus I: An introductory course in limits, derivatives and integrals of algebraic, exponential, logarithmic and trigonometric functions of one real variable; applications primarily used in the natural sciences. [You must score a 26 or higher on the Math portion of the ACT or receive the appropriate score on the Math placement exam in order to enroll in this course.]

MATH114, Calculus II: Techniques of integration: applications of integration; infinite series; L'Hospital's rule; improper integrals. Pre-requisite: college Calculus I, or a score of 3 or higher in AP Calculus AB.

Natural & Physical Sciences

All UST students must take at least one science course with a laboratory (4 credits).

NON-SCIENCE MAJORS may choose from the following courses in the fall semester:

BIOL 105, Human Biology: An introduction to cells, genetics, development and the human body, and the environmental impact of humans. Labs will emphasize investigative scientific problem solving and creative thinking. This course does not fulfill entrance requirements for some health professions programs.

CHEM 100, Chemistry in Our World: An introduction to chemistry and its applications to modern society and personal life. The chemistry studied includes the structure of matter, elements and compounds, chemical bonding, reactions, energy changes and an introduction to organic chemistry. The course emphasis is on the relevance of chemistry in everyday life, and the applications studied will include various topics such as environmental problems, energy resources, chemistry and health, and consumer chemistry.

ENGR123, Energy and the Environment: The course examines the core concepts of energy and power technologies. Students will learn how electricity from fossil fuels is generated and transported, and the status of the technology behind harnessing geothermal resources, solar panels, fuel cells, wind power, and biomass energy. Students will be introduced to the 1st and 2nd laws of thermodynamics, trade-off charts and the design process. The cultural, social, and economic impacts of energy production are discussed as well as their effects on the environment.

GEOL111, Introduction to Physical Geology: A study of the Earth's properties; the formation and classification of minerals, rocks, ore deposits, and fuels; and the nature and origin of the Earth's surface and interior. Emphasis will be placed upon a changing Earth, and the geologic processes operating at the surface and in the interior.

GEOL 115, Environmental Geology: This course emphasizes the interactions between humans and their environment, focusing on those processes and issues that are fundamentally geological in nature. Early in the course, students will be introduced to basic geosciences concepts and principles, the scientific method, plate tectonics, and Earth materials (rocks and minerals). The remainder of the course will focus on specific topics at the interface between humans and their environment, including volcanic and earthquake hazard, human impacts on the hydrological cycle, surface and groundwater contamination, climate and the carbon cycle, nuclear waste storage, soil erosion, and non-renewable resources..

PHYS 101, General Physics for Liberal Arts Majors: Intended for non-science majors; treats fundamental principles of physics and their application to phenomena, stressing qualitative understanding. This course will survey topics from mechanics, fluids, temperature and heat, oscillations, waves and sound, light and optics, and properties of matter.

PHYS 104, Astronomy: Introduction to physical principles and their application to astronomy for non-science majors. Emphasis is on comprehension of ideas and principles. Topics include the motions of the sun, moon, stars and planets; properties of the solar system; the stars including giants, dwarfs, pulsars and black holes; nebulae, galaxies and quasars; cosmology and life.

SCIENCE MAJORS choose from the following courses:

BIOL 201, Diversity and Adaptation: A survey of living organisms with emphasis on their origins, relationships, and adaptation to their environment. An examination of structural and functional bases of adaptation. Laboratory work will emphasize hypothesis testing, experimental design, data collection and analysis. Concurrent registration in CHEM 111 or CHEM115 is required. Offered fall semester only.

CHEM 111, General Chemistry: This course and its sequence 112 provide a two-semester introduction to chemistry. Topics

include atomic structure, molecular structure, chemical bonding, the periodic table, states of matter, reactions (types, energy changes, equilibrium and rates), properties of the common elements and their ions in aqueous solution, electrochemistry and nuclear chemistry. Math placement at 108 or above is required.

CHEM115 Accelerated General Chemistry: A one semester general chemistry class that blends significant topics from CHEM 111 and 112 for very strong students interested in majoring in science or engineering. Approximately 1/3 of the course content is drawn from CHEM 111 with the balance coming from CHEM 112. Topics include atomic theory, stoichiometry, gas laws, phases of matter, atomic and molecular structure, bonding, kinetics, thermodynamics, equilibrium, electrochemistry, nuclear chemistry, and descriptive chemistry. Lecture plus four laboratory hours per week. Prerequisite: Math placement at the 113 level, high school chemistry, and satisfactory performance on the chemistry placement examination. Offered fall semester only.

GEOL111, Introduction to Physical Geology: (see description above)

GEOL115, Environmental Geology: (see description above)

PHYS 111, Introduction to Classical Physics: This course and its continuation 112 are intended for physical science, mathematics, and pre-engineering students. The principles of classical mechanics: vectors, kinematics, particle and rigid body rotational dynamics and statics; conservation laws; fluid mechanics. Students must have completed MATH 113 or its equivalent before enrolling in PHYS 111.

Natural Science and Mathematical and Quantitative Reasoning

In addition to one Math and one Science course, all UST students must choose a third course (4 credits) in Math, Science, or Quantitative Reasoning (many majors require Statistics, IDTH220).

HUMAN DIVERSITY

You must take one course (4 credits) in this area. To satisfy this requirement during your fall semester at St. Thomas, you may take ARTH 110, GEOG 111, GEOG 113, MUSC 130, MUSC216, MUSC218, POLS 104, SOCI 100 or SOCI110. Note that each of the above courses will also satisfy another general education requirement. Additional courses you might choose to satisfy the Human Diversity requirement in Fall 2009 are ACST200, EDUC212 and JPST250.

***ACST200, Introduction to American Culture and Difference:** In ACST 200, students learn about the historical and theoretical foundations of Cultural Studies as an academic discipline and use cultural theory to analyze a variety of

cultural products and representations. Students look specifically at dominant and subversive constructions of gender, race, ethnicity, national and sexual identities, and how these constructions are deployed through cultural practices and productions such as sports, film and television, music, folklore and popular culture.

***EDUC212, Human Relations in Multicultural Education:** Designed to engage prospective teachers in a dialogue concerning the issues of cultural diversity in schools, its impact on the learning process and the construction of human relations. It examines issues such as racism, sexism, oppression, prejudice, and discrimination. The course aims to equip participants with pedagogic practices and instructional techniques that respond to social conflicts and stresses within the classroom, and that will enable them to create productive learning situations for all students.

***JPST250 Introduction to Justice and Peace Studies** Major aspects of world and local conflict, theories of social science relating to conflict and violence, and various proposals for solutions. Among the aspects of conflict studied are cultural differences, scarcity of resources, economic and social structures, international trade, the arms race, corruption, oppression and war. Proposed solutions assessed include development, structural changes, world governance, multinational agencies, military power, civilian-based defense, active nonviolence for social change, conflict resolution, disarmament, cultural exchange, religious revival and prayer. These topics are considered in the light of theory, history, and literature.

ADDITIONAL CONSIDERATIONS

AQUINAS SCHOLARS PROGRAM

The purpose of the Aquinas Scholars program is to provide opportunities for academically advanced students to deepen and enrich their undergraduate education. During their first and second years, Aquinas Scholars take a minimum of four honors sections of the core curriculum requirements. Limited to 20 students, honor sections emphasize in-depth discussion and analysis. During their third and fourth years, Aquinas Scholars enroll in a minimum of three interdisciplinary honors seminars that are team-taught by faculty from two different departments. In addition, the program sponsors a variety of co-curricular and extracurricular activities.

All students are eligible to apply to the Aquinas Scholars Program. A committee of students and faculty reviews the applications. The most important part of the application is the essay which must show evidence of intellectual curiosity and academic excellence. Although there are no absolute entrance standards, Aquinas Scholars typically have a high school rank of at least the 96th percentile, a high school grade point average of at least 3.8, and a combined SAT of at least

1200 or an ACT composite of at least 28. First year students admitted into the Aquinas Scholars Program usually take one or two honors courses in the fall semester. Fall 2009 semester options are: CHEM115, ECON 251, ENGL 190, PHIL 115, and THEO 101. If you are interested in applying to the Aquinas Scholars Program, contact: Mail #4303, UST, 2115 Summit Avenue, St. Paul, MN 55105 or (651) 962-6122 or (800) 328-6819, ext. 26122.

AEROSPACE STUDIES

The University of St. Thomas Air Force ROTC program is available to all students regardless of whether they wish to pursue becoming an USAF officer. Participation in the AFROTC program may not necessarily require a particular major and Aerospace Studies courses may be used as electives toward overall degree completion. New students may begin AFROTC by registering for AERO 111, Air Force Today with AERO 200, Leadership Lab. This course is worth one credit and there is no tuition charged if the student is an AFROTC member. Interested students can contact the AFROTC department at (651) 962-6320 or 1-800-328-6819, ext. 26320.

STUDY ABROAD

UST encourages its students to incorporate international experience into their academic plans and offers a wide variety of overseas opportunities that serve as an integral part of a student's degree program. These opportunities encompass a wide range of options, including length of stay (academic year, semester, summer, or January term), course selection and geographic locale. The staff at the International Education Center assists students in identifying study, work, or travel programs appropriate to the individual's desires and goals. Interested students may contact International Education at (651) 962-6450 or (800) 328-6819, ext. 26450.

There will be two classes offered in January 2010 for incoming first-year students: **THEO101, Christian Theological Tradition, will be offered in Rome; THTR 111, Introduction to Theater, will be offered in London.** The priority application deadline will be September 4, 2009. Students will be chosen by a selection process: a maximum of 25 students may participate in each course. For more information please visit the Study Abroad website at www.stthomas.edu/studyabroad

PAIRED COURSES PROGRAM

The Paired Courses Learning Community Program is designed to help first year students become an integral part of the St. Thomas community. Students who choose to participate become part of a learning community composed of 24 students. This group of students takes two introductory level core curriculum courses together during the fall semester. For example, you may choose to take HIST112 and ECON252 as a pair. The recruited faculty who teach these courses work closely together and sometimes use common course materials and assignments. One of these faculty members will also serve as your academic advisor until you declare a major during your sophomore year. There are several advantages to enrolling in a Paired Course Learning Community:

- 1) Much of what you learn in one of your courses may be directly applicable to the subjects covered in your other course. You may study the same topic or the same author in both courses.
- 2) Due to the small class size in each learning community, your professors will get to know you personally and they will be able to work closely with you to help ensure your academic success.
- 3) You will find that it will be easier to get to know the other students in your learning community because you will see them twice as often as you will see the students in your other courses.

Most pairs are open to any first-year students; a few require a certain placement level in English, Math, or Spanish.

Paired Courses for Fall 2009 include:

HIST112, Modern World Since 1550, and **ECON252**, Microeconomics
ENGL111, Critical Reading & Writing I, and **SOCI100**, Intro to Sociology
ENGL190, Critical Reading & Writing, and **ARTH110**, Intro to Art History
MATH113, Calculus I, and **ENGR171**, Engineering Graphics
MATH111, Calculus for Business, and **ECON251**, Macroeconomics
GEOL111, Intro to Physical Geology, & **THEO101**, Christian Theological Tradition
MATH113, Calculus I, & **BIOL201**, Diversity & Adaptation
MUSC218, Black American Music, & **THEO101**, Christian Theological Tradition
GEOL115, Environmental Geology, & **JPST250**, Intro to Justice & Peace Studies

Catholic Studies Emphasis

There are four pairs of **THEO101**, Christian Theological Tradition & **PHIL115**, Philosophy of the Human Person, offered with a Catholic Studies emphasis. Students in Catholic Studies Paired Courses will have regular opportunities to reflect on the relationships of two academic disciplines as well as the broad and diverse expressions of the Catholic intellectual tradition as a whole. These courses are open to all students. For questions about the Catholic Studies Paired Courses, contact the Catholic Studies department at (651) 962-5700 or (800) 328-6817, ext. 5700.

MAJOR FIELD CONSIDERATIONS

There are more than eighty majors offered at St. Thomas. Major field courses often fulfill core curriculum requirements. For example, all St. Thomas students must take **PHIL 115**, Philosophy of the Human Person. **PHIL 115** is also the first required course for a major in Philosophy. There are a few majors in the sciences and in music in which certain courses must be taken in a particular order in order to stay in sequence. These majors and courses are highlighted below.

Majors where sequencing is critical:

BIOLOGY and PRE-HEALTH PROFESSIONS (Pre-Medicine, Pre-Dentistry, etc): **BIOL 201** and **CHEM 111** or **CHEM 115**

CHEMISTRY: **CHEM 111** or **CHEM 115** and one of **MATH 108** or **MATH 113**

ELECTRICAL ENGINEERING: **MATH 113** and **ENGR 150** and **CISC 130**

ENGR150, Intro to Engineering (1 credit). This course introduces students to engineering fields, practicing engineers and hands-on engineering work. As they become acquainted with engineering occupations and experience their potential for creativity and fun, students will understand the value and applications of the required curriculum and be motivated and stimulated to pursue further engineering studies.

CISC 130 Introduction to Programming and Problem Solving in the Sciences: Introduction to problem solving with computers, using programming languages common to science and engineering disciplines; logical thinking, design and implementation of algorithms; and basic programming structures. Introduction to hardware and software: how computers acquire, store, process, and output information; how computer systems are designed, programmed, and tested. Students will use both a scientific programming language and an application package designed to implement programming features at a level more accessible to non-programmers.

MECHANICAL ENGINEERING: **MATH113** and **ENGR150** and **ENGR171**

ENGR171, Engineering Graphics: Students will learn to read blueprints and working drawings and become familiar with computer-aided design (CAD) terminology and technology. Topics cover the elements of drafting, including: the use of CAD software based on solid modeling; principles of projection; and introductory methods of representation and constructive geometry, working drawings, conventions and standards.

MUSIC: All Music majors should take music theory and corresponding labs, music media, eurhythmics, convocation hour, lessons, and an ensemble in the fall. Contact the Music department at (651) 962-5850 or 1-800-328-6819, ext. 25850 to discuss auditions.

NEUROSCIENCE: BIOL201 and CHEM111 or CHEM115

PHYSICS: MATH 108 or 113; students who have completed the equivalent of MATH113 should register for MATH114 (Calculus II), and PHYS111

PSYCHOLOGY: PSYC 111; MATH 101 or 111 or 113; BIOL 105

If you have questions concerning a particular major, call Academic Counseling at (651) 962-6300 or 1-800-328-6819, ext. 26300.

WHO WE ARE: THE ACADEMIC COUNSELING OFFICE

The Academic Counseling Office registers all entering first year and transfer students and counsels all undergraduate students with special registration needs. Counselors also:

- Assist in adding/dropping classes
- Interpret degree requirements
- Notify instructors of emergencies or extended illness
- Assist in declaring majors and/or minors
- Make referrals to campus support services as needed
- Work closely with students experiencing academic difficulty and
- Mediate student/professor conflicts

Academic Counseling is located in Room 119 OEC (O'Shaughnessy Educational Center). The phone number is (651)962-6300 or (800)328-6819, ext. 26300.

Our web address is: www.stthomas.edu/academiccounseling

ENHANCEMENT PROGRAM

Students qualify for services through the Enhancement Program upon self-identification of a documented learning disability, physical disability, ADHD, ADD, psychiatric disorders, or a head injury. The Enhancement Program staff acknowledges that individuals with documented disabilities have unique needs which can be accommodated based upon the assessed recommendations for that individual. The Enhancement Program represents an institutional commitment to individual guidance for students to develop the skills necessary to become independent life-long learners. If you would like more information on this program please call (651) 962-6315 or (800) 328-6919, ext. 26315.

If you are considering any of the following majors you might start taking some of these courses in the fall:

BUSINESS: During your first two years you will need to take: MATH 101,108 and 109, 111, or 113 (most business majors take MATH 101. Finance and Real Estate majors must take MATH 108-109, 111 or 113); ECON 251 and ECON 252; IDTH220 (Statistics: students take this class after they have taken math). If you are interested in International Business, continue taking language courses.

COMMUNICATION AND JOURNALISM: COJO111

COJO 111 Communication and Citizenship: Theories and principles of communication in all its forms (interpersonal, intercultural, organizational, rhetorical and mass-mediated), with emphasis on relationships between communication and the public realm. The course encourages students to develop a sense of their own agency in the communication process, whether they're creating interpersonal and mediated messages as communication professionals, or receiving and evaluating messages as citizens. It also helps students recognize what inhibits individuals and groups from being full citizens, and it helps students discover ways of empowering those individuals and groups through communication. Finally, the course aims to foster in students a commitment to being critically reflective, informed and active citizens.

COMPUTER SCIENCE: MATH 108-109 or 113; and CISC131. Majors in Information Systems, Information Technology, or Information Security may take MATH108-109 or 111 or 113, and CISC131.

CISC 131 Introduction to Programming and Problem Solving: Introduction to problem solving with computers: logical thinking, design and implementation of algorithms, and basic programming structures. Problems will be motivated by the computer science and management information science disciplines. Introduction to hardware and software: how computers acquire, store, process, and output information; how computer systems are designed, programmed, and tested. Students will use both a programming language and an application package designed to implement programming features at a level more accessible to nonprogrammers.

SAMPLE SCHEDULES

Here are a few samples of what a first semester schedule might look like. More examples are available at www.stthomas.edu/academiccounseling/firstyearstudents.htm

BARRY'S BUSINESS FALL SCHEDULE:

ENGL 190	Critical Reading and Writing I	4 credits
MATH 111	Calculus for Business and Social Science	4 credits
PHIL115	Philosophy of the Human Person	<u>4 credits</u>
		12 credits

CASSIE'S COMMUNICATION FALL SCHEDULE

COJO111	Communication & Citizenship	4 credits
ENGL 111	Critical Reading and Writing I	4 credits
PHIL 115	Philosophy of the Human Person	4 credits
GERM112	Elementary German II	<u>4 credits</u>
		16 credits

PAT'S PRE-MED FALL SCHEDULE

ENGL 111	Critical Reading and Writing I	4 credits
CHEM 111	General Chemistry	4 credits
BIOL 201	Adaptation and Diversity	4 credits (paired course)
MATH 113	Calculus I	<u>4 credits</u> (paired course)
		16 credits

SAMMY'S SOCIOLOGY FALL SCHEDULE:

ENGL 110	Intensive Writing	4 credits (paired course)
THEO101	Christian Theological Tradition	4 credits (paired course)
SOCI 100	Intro to Sociology	4 credits
MUSN 185	Symphonic Band	<u>1 credit</u>
		13 credits

UMA'S UNDECIDED FALL SCHEDULE:

ENGL 111	Critical Reading and Writing I	4 credits
FREN211	Intermediate French I	4 credits
PHIL115	Philosophy of the Human Person	4 credits (paired course)
THEO 101	Christian Theological Tradition	<u>4 credits</u> (paired course)
		16 credits