

transducers; controllers; motors and actuators; microprocessor fundamentals and programming; data acquisition and feedback control.

Prerequisite: 410

475, 476 **Experiential Learning** 2 credits

477, 478 **Experiential Learning**

See the description of these courses at the beginning of the “Curricula” section of this catalog.

480 Engineering Design Clinic I

Serves as the first capstone course. Student design teams, under the direction of a faculty coordinator, will develop engineering solutions to practical, open-ended design projects conceived to demonstrate the value of prior basic science and engineering courses. Ethical, social, economic and safety issues in engineering practice will be considered as well.

Prerequisites: 320, 371, 382, 410 and MATH 303

481 Engineering Design Clinic II

The final capstone course for the application of previously learned engineering principles to the solution of real problems in an actual industrial setting. Student design teams will work under the direction of faculty advisers and industry liaisons. Opportunity will be provided for objective formulation, analysis, synthesis and evaluation of alternative solutions.

Prerequisite: 480

483, 484 **Seminar** 2 credits

485, 486 **Seminar**

See the description of these courses at the beginning of the “Curricula” section of this catalog.

487, 488 **Topics** 2 credits

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 “Curricula” section of this catalog.

491, 492 **Research** 2 credits

493, 494 **Research**

See the description of these courses at the beginning of the “Curricula” section of this catalog.

495, 496 **Individual Study** 2 credits

497, 498 **Individual Study**

See the description of these courses at the beginning of the “Curricula” section of this catalog.

English (ENGL)

Mikolajczak (chair), An, Bellamy, Bouwman, Callaway, Challakere, Chowdhury, Choy, Craft-Fairchild, Erdrich, Garritano, Jordan, Larson, MacKenzie, May, L. Miller, R. Miller, Muse, O’Reilly, Otto, Piorowski, Powell, Redshaw, Reichardt, Ringnalda, Scheiber, Scheurer, Warren, Wellisch

The aims of the department are to:

- help students gain mature skills in thinking, reading and writing;
- extend to all interested students, regardless of their major, the opportunity for the self-enrichment which a study of language and literature affords;
- provide students with a solid foundation for graduate study in English and other professional fields such as law and medicine, the teaching of English in secondary and middle schools, and all careers that emphasize analysis and communication.

To attain these goals, the programs outlined below focus on the different methodologies and approaches to the study of language, literature and writing while allowing students to pursue areas of particular interest.

The Department of English offers three emphases.

1. The general major that allows students to take a variety of literature courses and to incorporate writing and cultural studies into their programs;
2. The writing emphasis that takes students through graduated sequences of writing courses (200/300/400) built upon a foundation of literature courses. Students seeking this major should plan a schedule that allows for a 400-level course so as to get the best advantage of the program;
3. The Minnesota teacher licensure program in Communication Arts and Literature that prepares students for teaching elementary, middle, and secondary school. This program requires courses in linguistics, literature, writing, and writing pedagogy. It requires, therefore, early and careful planning. Students completing this program may complete a major in English.

Students graduating with a major in English will be able to write thoughtfully about literature and life, in forms that range from engaged responses, to close readings of primary texts, to critical papers using secondary sources. They will understand and practice writing as a process that involves substantial revision and be able to reflect

College of Arts and Sciences – Departments

thoughtfully upon the writing process that works best for them. They will demonstrate broad knowledge of American and British literature.

All students majoring in English must take a minimum of sixteen credits in English courses at the 200-level or above at St. Thomas.

All students minoring in English must take a minimum of eight credits in English courses at the 200-level or above at St. Thomas.

The department offers courses for non-majors to fulfill the Literature and Writing component of the core curriculum, and the Human Diversity requirement.

English Honor Society

Sigma Tau Delta, the national English honor society, formed a chapter at St. Thomas in 1988. The honor society brings together students and faculty with a love of literature, language and writing; it sponsors a variety of scholarships, holds regional and national conventions, and provides a forum for both creative and critical writing. Students who have a grade point average of at least 3.0 in English courses, rank at least in the highest 35 percent of their class in general scholarship, and who have completed at least three semesters of college are eligible to apply for membership.

Major in English

111 Critical Reading and Writing I: Fiction and Nonfiction Prose

112 Critical Reading and Writing II: Drama and Poetry

Note: Qualified students may substitute 190 Critical Reading and Writing: Major Genres plus an additional upper-level course for 111 and 112

380 Issues in English Studies

Plus thirty-two credits beyond the 100-level:

minimum of 12 credits at 200-level

minimum of 16 credits at 300- and 400-level

minimum of 4 credits at 400-level

The following areas must be represented in these 32 credits (one course may satisfy more than one requirement):

4 credits in early literature

211, 214, 220, 221, 360, 361, 362, 364, 370, 371, and section 11 of 325, 390, 395

4 credits in American literature

214, 215, 370, 371, 372, 373, and section 21 of 217, 324, 325, 337, 341, 390, 395

4 credits in British literature

211, 212, 360, 361, 362, 364, 365, 366, 367, and section 31 of 324, 325, 341, 390, 395

4 credits in diversity literature

217, 218, 337, 341, and section 61 of 325, 390, 395

4 credits in writing

251, 252, 253, 300, 321, 322, 401, 402, 403

Major in English with Writing Emphasis

111 Critical Reading and Writing I: Fiction and Nonfiction Prose

112 Critical Reading and Writing II: Drama and Poetry

Note: Qualified students may substitute 190 Critical Reading and Writing: Major Genres plus an additional upper-level course for 111 and 112

380 Issues in English Studies

Plus thirty-two credits beyond the 100-level:

minimum of 12 credits at 200-level

minimum of 16 credits at 300- and 400-level

minimum of 4 credits at 400-level

The following areas must be represented in these 32 credits (one course may satisfy more than one requirement):

4 credits in early literature

211, 214, 220, 221, 360, 361, 362, 364, 370, 371, and section 11 of 325, 390, 395

4 credits in American literature

214, 215, 370, 371, 372, 373, and section 21 of 217, 324, 325, 337, 341, 390, 395

4 credits in British literature

211, 212, 360, 361, 362, 364, 365, 366, 367, and section 31 of 324, 325, 341, 390, 395

4 credits in diversity literature

217, 218, 337, 341, and section 61 of 325, 390, 395

16 credits in writing

251, 252, 253, 300, 321, 322, 401, 402, 403, 480

Teacher Licensure

Elementary Education with a Specialty in Communication Arts and Literature (5-8)

Co-major in Communication Arts and Literature (5-12) and a Co-major in Secondary Education

See School of Education Department of Teacher Education

Literary Studies

See College of Arts and Sciences Interdisciplinary Programs

Minor in English

111 Critical Reading and Writing I: Fiction and Nonfiction Prose

112 Critical Reading and Writing II: Drama and Poetry

Note: Qualified students may substitute 190 Critical Reading and Writing: Major Genres plus an additional upper-level course for 111 and 112

Plus:

Eight credits at the 200-level

Eight credits at the 300-level

110 Intensive Writing

The course provides 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.

Prerequisite: participation in the Academic Development Program

Critical Reading and Writing

These courses develop students' awareness of language by helping them to recognize the relationship between their own experience and the interpretive possibilities of literature. Attention will be paid to the integration of the individual's composing process and the process of reading and understanding texts. These courses foster attentive reading, critical thinking and effective writing.

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 nonfiction. This course fulfills the Literature and Writing requirement in the core curriculum.

112 Critical Reading and Writing II: Drama and Poetry

Emphasis on interpreting literary texts and writing about them persuasively, with special attention to close reading and to the use of textual evidence. Writing assignments will be linked to readings consisting primarily of drama and poetry. This course fulfills the Literature and Writing requirement in the core curriculum.

Prerequisite: 111 or permission of department chair

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 prose. The course emphasizes responsive engagement with literature and provides instruction in writing ranging from the exploratory to the persuasive and analytical modes. This course, plus an additional upper-level course, fulfills the Literature and Writing requirement in the core curriculum. Offered only in fall semester.

205 Literature in Perspective

This course, whose subject will change from year to year, will reflect particular interests in a given theme, genre, author, or period. Subjects will be announced in the annual Class Schedule and will not duplicate existing courses. The course is designed for non-majors, and credit may be earned more than once under this number for different emphases. Possible courses are: Madness in Literature, American Short Stories, Virginia Woolf, Holocaust Literature. Open to non-English majors only.

Prerequisites: 111 and 112 or 190

211 British Authors I

This course will focus on extensive reading of a broad selection of British authors from the medieval period through the eighteenth century. Students will engage in close analysis of literary texts by such authors as Chaucer, Shakespeare, Donne, Milton, and Behn, with some attention to historical and cultural contexts.

Prerequisites: 111 and 112 or 190

212 British Authors II

This course will focus on extensive reading of a broad selection of British authors from Romanticism to the present. Students will engage in close analysis of literary texts by such authors as Blake, Wordsworth, Tennyson, Conrad, and Woolf, with some attention to historical and cultural contexts.

Prerequisites: 111 and 112 or 190

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214 American Authors I

The study of significant American authors from the beginnings of American literature to the turn of the twentieth century. This survey course will consider the diverse literary, cultural, and historical contexts from which the American literary tradition has arisen. Possible authors studied include Hawthorne, Douglass, Jacobs, Fuller, Dickinson, Clemens, Jewett, Cooper, Wheatley, Whitman, and Native American voices.

Prerequisites: 111 and 112 or 190

215 American Authors II

The study of significant American authors from the turn of the century to the present. This survey course will consider the diverse literary, cultural, and historical contexts from which the American literary tradition has been formed. Possible authors studied include Hemingway, Faulkner, Hurston, Wright, Morrison, Cather, Wharton, Rich, and O'Neill.

Prerequisites: 111 and 112 or 190

217 Multicultural Literature

This course will focus on extensive reading of a broad selection of authors drawn from the literature of one of the following: (a) American communities of color; (b) postcolonial peoples; (c) diasporic peoples. Students will engage in close analysis of literary texts from at least one such literary tradition, with some attention to historical and cultural contexts. This course fulfills the Human Diversity requirement in the core curriculum.

Prerequisites: 111 and 112 or 190

218 Literature by Women: Critical History

This course will focus on the history of literature by women. It will concentrate on the traditions in Britain and America, but also will include some attention to non-Western women writers. It will address issues of canon formation, as well as the role of gender in the composition and reading of literary texts. This course fulfills the Human Diversity requirement in the core curriculum.

Prerequisites: 111 and 112 or 190

220 The Classical Tradition

Reading of representative masterpieces of Western literature in translation, from the Classical period through the Middle Ages. Authors will include Homer, Aeschylus, Sophocles, Virgil, Ovid and Dante.

Prerequisites: 111 and 112 or 190

221 The Modern Tradition

Reading, in translation, of representative masterpieces in the European tradition from the Renaissance through the 20th century, including such writers as Cervantes, Racine, Goethe, Flaubert, Dostoevsky, Kafka and Mann. Areas of inquiry also will include the mutual interactions of the European tradition with modern African, Latin American or Eastern literatures.

Prerequisites: 111 and 112 or 190

222 The Catholic Literary Tradition: Medieval to Modern (CATH 222)

This course surveys literary works with theological or spiritual themes that have contributed to the vitality of Catholic culture. The purpose of the course is to help students realize that Catholic culture has fostered a variety of literary expressions and has produced works that speak compellingly of human experience and sacramental life.

Prerequisites: 111 and 112 or 190

251 Writing in the Academy

This course focuses on principles of effective academic writing. Attention will be paid to strategies for development, patterns of organization, and rhetorical concerns such as voice, audience, purpose and style. Students will consider conventions of academic discourse, both as they are shared and as they vary across disciplines.

Prerequisites: 111 and 112 or 190

252 Writing Nonfiction Prose

This course will aim to develop fluency, voice and style in a range of rhetorical situations within the genre of non-fiction prose, including memoir, the informal essay, experimental nonfiction, review, and argument. Intended to prepare students for advanced courses in literary nonfiction and analytical and persuasive writing.

Prerequisites: 111 and 112 or 190

253 Writing Poetry and Fiction

This course introduces students to the skills necessary for writing literary fiction and poetry. It includes close readings of literary texts that model the basic techniques of imaginative writing, weekly writing exercises that encourage exploration and development of craft, and peer critique sessions to develop students' critical skills. This course will include instruction in imagery, figurative language, rhythm and sound patterns, tone, point of view, literary structures, character development, and style.

Prerequisites: 111 and 112 or 190

295, 296 Topics

2 credits

297, 298 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 “Curricula” section of this catalog.

Prerequisites: 111 and 112 or 190

300 Theory and Practice of Writing

Working from a base of contemporary rhetorical theory, advanced writing students will write essays in a variety of forms. They will be encouraged to develop a vocabulary for talking about writing, as well as the ability to critique their own and others’ work. Directed reading in contemporary writing pedagogy for the elementary and secondary composition teacher. Required for secondary licensure in communication arts and literature.

Prerequisites: 111 and 112 or 190; advanced writing skills

305 Linguistics: English Language

The study of the historical, structural, and semantic features of the English language; systems of English grammar.

Prerequisites: 111 and 112 or 190

321 Writing Poetry

This intermediate course explores traditional and innovative patterns of poetry writing. Emphasis on experimentation with a variety of techniques and development of individual voice. This course will include critique sessions, readings to broaden possibilities of form and subject, and individual instruction. Open to students with some previous experience in writing poetry.

Prerequisite: 253 or permission of instructor.

322 Writing Fiction

This intermediate course explores traditional and innovative patterns of fiction writing. Emphasis on experimentation with a variety of techniques and development of individual voice. This course will include critique sessions, readings to broaden possibilities of form and subject, and individual instruction.

Prerequisite: 253 or permission of instructor.

324 Genre Studies

This course will examine genre as an ordering principle in the study of literature. The particular genres to be studied will vary from year to year, namely, prose fiction, nonfiction prose, drama, and poetry. Credit may be earned more than once under this number for different emphases.

Prerequisites: 111 and 112 or 190

325 Special Studies in Genre, Region, or Theme

This course will offer an intensive focus on a body of literature defined by its association with a special genre, locale, or theme. Such specialized topics as the epic poem, contemporary autobiography, Minnesota literature, or Genesis in literature might be studied. Students will also consider relevant critical approaches and issues. Credit may be earned more than once under this number for different emphases.

Prerequisites: 111 and 112 or 190

334 Literature from a Christian Perspective (CATH 334)

This course examines methods of reading and literary texts from a Christian perspective. The general question of the course is, “how does a reader engage works of imaginative literature from an intellectually serious Christian perspective?” The course studies works of criticism representing a variety of Christian viewpoints and applies them to literary texts that are explicitly Christian in themes as well as those which invite, or are enriched by, a Christian perspective.

Prerequisites: 111 and 112 or 190

337 The Literature of Human Diversity

Offered with specific subtitles, this course provides an intensive focus on a selected body of literature concerning one of the following aspects of human diversity: race, ethnicity, class, gender, sexual orientation. Students will also consider relevant critical approaches and concepts. Credit may be earned more than once under this number for different emphases. This course fulfills the Human Diversity requirement in the core curriculum.

Prerequisites: 111 and 112 or 190

341 Literature by Women: Critical Questions

This course will offer an in-depth study of selected women’s writing, organized by period, genre or theme. In any particular semester, the course might focus, for example, on 18th century women writers, contemporary women poets or marriage in women’s literature. The texts will be approached with regard to questions of canon formation, women’s history and cultural constructions of gender. Credit may be earned more than once under this number for different emphases. This course fulfills the Human Diversity requirement in the core curriculum.

Prerequisites: 111 and 112 or 190

College of Arts and Sciences – Departments

360 Chaucer and the Medieval Period

This course offers an intensive focus on the literature and culture of the medieval period. Such authors as the *Pearl* poet, medieval dramatists, and Malory will provide a context for reading Chaucer's *Canterbury Tales*. Critical approaches and issues will also be studied.

Prerequisites: 111 and 112 or 190

361 Shakespeare and the Early Modern Period

This course offers an intensive focus on the literature and culture of the English early modern period. Such authors as Sidney, Spenser, Elizabeth I and Cary will provide a context for reading Shakespeare's works. Critical approaches and issues will also be studied.

Prerequisites: 111 and 112 or 190

362 Milton and Seventeenth-Century British Literature

This course offers an intensive focus on the literature and culture of the British seventeenth century. Such authors as Donne, Lanyer, Wroth and Herbert will provide a context for reading Milton's *Paradise Lost*. Critical approaches and issues will also be studied.

Prerequisites: 111 and 112 or 190

364 Eighteenth-Century British Literature: The Age of Satire and the Novel

This course offers an intensive focus on the literature and culture of eighteenth-century Britain. Such authors as Pope, Swift, Burney, and Johnson will be studied, along with critical approaches and issues relevant to the period.

Prerequisites: 111 and 112 or 190

365 The Romantic Age in Britain

This course offers an intensive focus on the literature and culture of the Romantic Age in Britain. Such authors as Austen, Blake, Wollstonecraft, Byron, and the Shelleys will be studied, along with critical approaches and issues relevant to the period.

Prerequisites: 111 and 112 or 190

366 The Victorian Age in Britain

This course offers an intensive focus on the literature and culture of the Victorian Age in Britain. Such authors as Tennyson, the Brownings, the pre-Raphaelites, Dickens, and Eliot will be studied. Special attention will be paid to the historical context, as well as to relevant critical approaches and issues.

Prerequisites: 111 and 112 or 190

367 Twentieth-Century British Literature

This course offers an intensive focus on select aspects of the literature and culture of twentieth-century Britain. Such authors as Woolf, Joyce, Eliot, Lessing, and Walcott will be studied, along with critical approaches and issues relevant to the period.

Prerequisites: 111 and 112 or 190

370 Colonial and Early-American Literature

This course offers an intensive focus on selected aspects of American literature from its beginnings to approximately 1820. Attention will be given to the diverse literary, cultural, and historical contexts of the literature being studied, as well as to relevant critical approaches and issues. Possible authors studied include Bradstreet, Franklin, Wheatley, Irving, Native American voices.

Prerequisites: 111 and 112 or 190

371 Nineteenth-Century American Literature

This course offers an intensive focus on selected aspects of American literature from the early Romantic movement (approximately 1820) to the turn of the century. Attention will be given to the diverse literary, cultural, and historical contexts that inform the literature being studied, as well as to relevant critical approaches and issues. Possible authors studied include Emerson, Fuller, Douglass, Clemens, Dickinson.

Prerequisites: 111 and 112 or 190

372 Modern American Literature

This course offers an intensive focus on selected aspects of American literature of the first half of the twentieth century, from approximately 1900 to 1945. Attention will be given to the diverse literary, cultural, and historical contexts that inform the literature being studied, as well as to relevant critical approaches and issues. Possible authors studied include Hemingway, Faulkner, Hurston, Eliot, Wharton, O'Neill.

Prerequisites: 111 and 112 or 190

373 Contemporary American Literature

This course offers an intensive focus on selected aspects of American literature from approximately 1945 to the present. Attention will be given to the diverse literary, cultural, and historical contexts that inform the literature

being studied, as well as to relevant critical approaches and issues. Possible authors studied include Erdrich, Morrison, Bellow, Ginsberg, Tennessee Williams, Adrienne Rich.
Prerequisites: 111 and 112 or 190

380 Issues in English Studies

This course focuses on ideas and practices central to advanced work in the field of language and literature. In addition to refining students' facility with critical concepts and scholarly methodology, this course will explore a number of key questions for current work in the discipline: How do we define such concepts as literacy, literature, and interpretation? How do we understand the relationship between reader, writer, and text? How do such factors as gender, culture, and history affect our understanding of literature and of ourselves as writers and readers? This course fulfills the second-level Computer Competency requirement in the core curriculum.
Prerequisites: 111 and 112 or 190; at least two courses in ENGL above the 100-level

390 Major Literary Figures

This course will study a significant body of work by a major writer or pair of writers. Typical offerings: Jane Austen, Charles Dickens, Hawthorne and Melville, T.S. Eliot. Credit may be earned more than once under this number for different emphases.
Prerequisites: 111 and 112 or 190

395 Issues in Literature and Culture

This course offers an intensive focus on a selected body of literature in relation to some significant "extraliterary" context, *e.g.*, history, popular culture, other disciplines, other arts. The course will emphasize critical approaches and issues appropriate to this focus. The content of this course will vary from semester to semester. Some sections of this course may fulfill the Human Diversity requirement in the core curriculum.
Prerequisites: 111 and 112 or 190

400-level courses have a prerequisite of 5 courses beyond the 100-level, plus additional prerequisites as noted.

401 Advanced Poetry or Fiction Writing

This advanced course focuses on the student's development of a polished body of work in poetry and/or fiction. Students will review, revise and select writing they have done previously, as well as produce new work. Readings will include theoretical and creative texts.
Prerequisite: 321 or 322, or permission of instructor based on examination of a portfolio

402 Writing Literary Nonfiction

This advanced course will focus on the theory and practice of literary nonfiction, that is, the writing of prose drawn from personal experience, reflection, observation and analysis. Essays by such writers as E.B. White, Annie Dillard and Lewis Thomas will be considered as examples of the genre. For self-motivated writers who wish to develop voice, fluency and precision.
Prerequisite: 252 or 253 or 300 or consent of the instructor based on examination of a portfolio

403 Analytical and Persuasive Writing

Intended for the experienced writer, this course will emphasize the theory and practice of writing in analytical, persuasive and research-based rhetorical modes as preparation for advanced or professional writing in a variety of disciplines.
Prerequisite: 251 or 252 or 253 or consent of instructor

411 Criticism of Literature

Study in theoretical and applied literary criticism. Particular authors and works are closely examined in relation to various critical systems.
Prerequisites: 111 and 112 or 190 and 380

450 Advanced Literary Studies

This advanced course will focus on a closely defined group of literary and critical texts. Students will be asked to synthesize as they read and write, using extensive critical analysis to integrate their experience of literary texts with relevant critical insights and ongoing scholarship. Students will also be expected to take part in and lead discussion, and to write a substantial critical essay.
Prerequisites: 5 courses beyond the 100 level including ENGL 380. Open to limited graduate student enrollment by permission of instructor and the graduate program director. (Additional prerequisite 380)

475, 476 Experiential Learning

2 credits

477, 478 Experiential Learning

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

480 Literary Magazine Practicum

Participants will study the history and character of literary magazines from 1912 to the present and apply their knowledge to editing the university's literary and visual-arts magazine. Editing activities include selection of material, copyediting, desktop publishing, book and Webpage design, and communication with publishing professionals. This course fulfills the second-level Computer Competency requirement in the core curriculum.
Prerequisite: Permission of the instructor (arrange in early fall for course credit in the spring semester).

College of Arts and Sciences – Departments

481 Seminar in English

A seminar focused on the study of an issue or problem of literary significance. Through discussion and intensive reading, the seminar will consider common texts pertinent to an English major's whole curriculum. Each student will execute and present a substantial critical or interpretive essay.

Prerequisites: completion of five English courses beyond the freshman level including 380; or, for non-majors, permission of the instructor and the department chair.

483, 484 Seminar 2 credits

485, 486 Seminar

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

487, 488 Topics 2 credits

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 "Curricula" section of this catalog.

Prerequisites: 111 and 112 or 190

491, 492 Research 2 credits

493, 494 Research

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

495, 496 Individual Study 2 credits

497, 498 Individual Study

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

Prerequisites: 111 and 112 or 190

Geography (GEOG)

Lorah (chair), Kelley, Werner

Geography is an interdisciplinary study that offers a rich body of knowledge about the character of diverse places in the world, their cultures and environments. Geography ranges from a broad and comprehensive understanding of the world to the specifics of computer-generated maps and geo-demographic analysis. Geographers make extensive use of computer skills to analyze a wide range of problems, from regional studies to urban structure and habitats.

With training in both the natural and social sciences, geographers have a wide range of careers in government, the private sector, and education. Geographers create digital maps, work with census data, help locate retail and service stores, work in local, state, and federal parks, analyze land use and urban planning, teach, and hold a wide variety of other jobs.

Students graduating with a major in geography will use the perspectives of many disciplines to demonstrate a general and comprehensive understanding of major world problems. They will be adequately prepared for a professional career that is related to geography.

Geography Honor Society

The honor society in geography at St. Thomas is *Mu Alpha Pi*. The purpose of the society is to further the professional development of geographers through research and academic experiences outside the classroom and laboratory. Students are eligible for membership when they have taken three courses in geography with at least a B average and rank in the upper 35 percent of their class.

Major in Geography

111 Human Geography

112 Physical Geography

113 World Geography

480 Seminar in Geography

Plus eight credits in methods courses:

221 Computer Skills in Geography

222 Geographical Analysis

321 Geographic Information Systems

421 Advanced Geographic Information Systems

Plus four credits in a topical course:

ECON 333 Urban and Regional Economics

GEOG 230 Weather and Climate

GEOG 330 Geography for Business and Planning

GEOG 430 Urban Geography

GEOL 252 Geomorphology