

# LIBERAL ARTS, COMMUNICATION, AND GENERAL EDUCATION

Liberal Arts, Communication, and General Education programs include degrees related to the humanities, communication, and individualized studies and is the hub for the college's unique general education program. These programs are built upon a broad-based, flexible, liberal arts core that develops professional and critical thinking skills.

## Programs

- [Business and Strategic Communication Minor](#)
- [Digital Communication Design Major: Graphic Design Option \(B.S.\)](#)
- [Digital Communication Design Major: Writing for Visual Media Option \(B.S.\)](#)
- [General Studies \(A.A.\) CPSO](#)
- [Graphic Design Minor](#)
- [Historical Studies Major \(B.A.\)](#)
- [Historical Studies Minor](#)
- [Individualized Studies Major: Behavioral and Social Sciences Option \(B.S.\)](#)
- [Individualized Studies Major: Business and Finance Option \(B.S.\)](#)
- [Individualized Studies Major: Health and Human Services Option \(B.S.\)](#)
- [Individualized Studies Major: Humanities Option \(B.A.\)](#)
- [Individualized Studies Major: Management Option \(B.S.\)](#)
- [Individualized Studies Major: Media and Communication Option \(B.S.\)](#)
- [Individualized Studies Major: Public Safety Option \(B.S.\)](#)
- [Interpersonal and Organizational Communication Minor](#)
- [Professional Communication Major: Business and Strategic Communication Option \(B.S.\)](#)
- [Professional Communication Major: Interpersonal and Organizational Communication Option \(B.S.\)](#)
- [Professional Communication Major: Visual Communication and Social Media Option \(B.S.\)](#)
- [Visual Communication and Social Media Minor](#)
- [Writing for Visual Media Minor](#)

## Courses

### Arts & Culture (ART)

#### ART 401 - Introduction to Drawing

**Credits:** 4

This studio art course fosters a hands-on approach to basic drawing and composition. Students explore, comprehend, and employ the basic elements and principles of art, use various graphic media, and become familiar with the vocabulary, concepts, and techniques of drawing. Projects emphasize composition and guide students toward mastering the skills needed to produce an effective and expressive drawing.

**Attributes:** FinePerformingArts(Discovery); Human Thought Exp (Gen Ed)

**Equivalent(s):** ARTS 501G

**Grade Mode:** Letter Grading

#### ART 403 - Introduction to Watercolor

**Credits:** 4

This is a course for all levels of students, including students with no previous studio art experience. The course introduces students to a variety of approaches to the watercolor medium through the use of hands-on experience, demonstrations, instructor and peer feedback, and discussions. Students will develop watercolor painting skills and visual literacy through recognizing and practicing common watercolor techniques leading to a portfolio of work by the end of the term.

**Attributes:** FinePerformingArts(Discovery); Human Thought Exp (Gen Ed)

**Equivalent(s):** ARTS 503G

**Grade Mode:** Letter Grading

#### ART 512 - Fundamentals of Design

**Credits:** 4

This course introduces the design elements, principles, and skills needed to succeed in the graphic design industry. Students will have the opportunity to learn the fundamentals of professional layout using Adobe Creative Cloud while demonstrating an understanding of composition, color, typography, vectors, and bitmap creation, along with other essential attributes of graphic design. The design process, design as visual communication, and the designer's role in concept development for media, web, and video will also be emphasized.

**Attributes:** FinePerformingArts(Discovery); Human Thought Exp (Gen Ed)

**Equivalent(s):** ARTS 504G, ARTS 512G

**Grade Mode:** Letter Grading

#### ART 515 - Digital Photography

**Credits:** 4

This course explores the fundamentals of digital photography. It is structured to help the student master the technical tools of digital photography and image-editing software while cultivating the ability to perceive and understand the world visually and artistically. Students practice constructively critiquing their own work and that of others. This course also examines the unique place photography has within the context of other art forms, such as painting, cinema, music, and literature. In order to meet the learning outcomes of this course, students must have access to a standalone digital camera (DSLR) for required use in the class.

**Attributes:** Environment,TechSociety(Disc); Human Thought Exp (Gen Ed)

**Equivalent(s):** ARTS 515G

**Grade Mode:** Letter Grading

#### ART 544 - Special Topics: Lower Level

**Credits:** 4

A study of current and variable topics in Arts and Culture. Course content changes from term to term. Lower level.

**Equivalent(s):** ARTS 544G

**Grade Mode:** Letter Grading

#### ART 550 - Art History: Western World

**Credits:** 4

The primary goal of this course is to develop an appreciation of the important role that the arts and the individual artist have played through the ages. The course examines the formal qualities and technical achievements of important works from each major period in Western art, as well as the historical and cultural context in which they were created.

**Attributes:** FinePerformingArts(Discovery); Human Thought Exp (Gen Ed)

**Equivalent(s):** ARTS 550G

**Grade Mode:** Letter Grading

**ART 644 - Special Topics: Upper Level****Credits:** 1-4

A study of current and variable topics in Arts and Culture. Course content changes from term to term. Upper level.

**Repeat Rule:** May be repeated up to unlimited times.

**Equivalent(s):** ARTS 644G

**Grade Mode:** Letter Grading

**Communication (COM)****COM 440 - Persuasive Communication****Credits:** 4

This course provides an in-depth understanding of persuasive principles with the purpose of identifying and critiquing communication strategies encountered on a daily basis. Students are introduced to the theory and practice of persuasive communication with an understanding of how classical modes of rhetoric offer an excellent framework for improving information-age communication skills. Speaking, listening, leading, motivating, negotiating, creating and delivering a message, and engaging with an audience are emphasized as key elements of persuasive communication. Students will be able to recognize the persuasive strategies used in interpersonal and mass communication settings, critique the effectiveness of the strategies used, and develop persuasive strategies for themselves.

**Attributes:** Writing Intensive Course

**Equivalent(s):** COMM 540G

**Grade Mode:** Letter Grading

**COM 460 - Interpersonal Communication and Group Dynamics****Credits:** 4

Designed to provide both a theoretical and practical introduction to interpersonal communication and group dynamics, this course explores the unique process, purposes, problems and possibilities of communication. Emphasis is placed on participation and awareness of communication behaviors, both in interpersonal settings and in small groups, as portrayed in the generic roles of member, leader, and process observer. The course challenges students to analyze the complex nature of relationships by applying the concepts of collaboration, cohesiveness, group decision-making, conflict resolution, the function of teams, and the role of facilitation. COM 460 students are guided in developing basic interpersonal, intercultural, and group communication skills that they can apply to personal and professional encounters in everyday life.

**Attributes:** Communication (Gen Ed)

**Equivalent(s):** COMM 542G

**Grade Mode:** Letter Grading

**COM 465 - Communication Theory****Credits:** 2

This course introduces students to the major theories of communication that are foundational to the discipline. Students will conceptualize how theory can be used to describe, analyze, and explain communication issues and events. Attention is also given to the ethical implications of theory in various contexts.

**Equivalent(s):** COMM 510G

**Grade Mode:** Letter Grading

**COM 480 - Visual Communication****Credits:** 4

In contemporary communication, visual information has become the predominant means to convey messages and information. Students will explore and analyze the different ways images can be used to communicate information, concepts, and narratives, as well as to support persuasive arguments in oral presentations. Students will apply what they have learned to two major projects, each designed to communicate a central message to a defined audience. An introduction to copyright, Fair Use, and Creative Commons is included.

**Attributes:** Communication (Gen Ed)

**Equivalent(s):** COMM 543G

**Grade Mode:** Letter Grading

**COM 504 - Web Development I****Credits:** 4

This course is an introduction to multimedia design with an emphasis on website creation. Students gain an understanding of the terminology, development tools, and fundamental skills related to designing a successful website. Current software applications are learned as appropriate to the process.

**Equivalent(s):** COMM 504G

**Grade Mode:** Letter Grading

**COM 535 - Visual Media Production****Credits:** 4

This course focuses on how to create visual narratives through digital media. Course projects and use of visual media production software provide an opportunity to carefully execute each step of the production process, to include: conceptualizing, outlining, writing script for voiceover, creating the storyboard, recording, editing, and sharing. Attention to copyright, attribution, and other ethical considerations are also addressed. Recommended: COM 480 Visual Communication.

**Equivalent(s):** COMM 505G

**Grade Mode:** Letter Grading

**COM 544 - Special Topics: Lower Level****Credits:** 1-4

A study of current and variable topics in Communication. Course content changes from term to term.

**Repeat Rule:** May be repeated up to unlimited times.

**Equivalent(s):** COMM 544G

**Grade Mode:** Letter Grading

**COM 545 - Digital Illustration****Credits:** 4

This course introduces Adobe Photoshop and Illustrator. Course assignments focus on creating and preparing raster and vector-based images for print and web. Students will have the opportunity to attain basic proficiency with both software programs while applying knowledge and skill to a variety of projects. Concepts such as photo manipulation, use of digital illustration in layout, basic animation, storage and file management, and copyright and ethical issues are addressed.

**Prerequisite(s):** ART 512 with a minimum grade of D- or ARTS 512G with a minimum grade of D-.

**Equivalent(s):** COMM 545G

**Grade Mode:** Letter Grading

**COM 560 - Intercultural Communication****Credits:** 2

Effective intercultural communication skills are important in a multicultural society, particularly for those individuals working in positions that require effective interactions with people from diverse cultures. This course is a study of cross-cultural contacts and will include analysis of verbal and nonverbal communication and related factors within and between various cultures, predictions of patterns and effects, and communication barriers. The course provides opportunities for students to develop both an appreciation for cultural differences and effective intercultural communication skills.

**Equivalent(s):** COMM 560G**Grade Mode:** Letter Grading**COM 562 - Gender and Communication****Credits:** 2

In this course, students examine multiple influences that have shaped definitions of masculinity and femininity over time. Students explore the impact of these definitions on "appropriate" prescriptions for verbal and nonverbal communication, and on interactions in personal and professional contexts. Through the analysis and critique of the effects of gender on communication in diverse relationships (family, friendships, romantic, professional) and in diverse contexts (personal and professional spheres), as well as how gender is depicted in the media, students recognize the profound impact that gender has upon our lives.

**Equivalent(s):** COMM 562G**Grade Mode:** Letter Grading**COM 590 - Professional Communication****Credits:** 4

This course prepares students to navigate the complexity of professional communication in the 21st-century workplace, with a particular emphasis upon refining the writing skills that are essential to clear, concise, and professional communication. The types of professional writing addressed may include: proposals, emails, newsletters, presentations, and agendas, among others. Emphasis is also placed upon how to discern which channel-written, verbal, or digital-is most appropriate relative to context, purpose, and audience.

**Attributes:** Writing Intensive Course

**Prerequisite(s):** (ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-) and (COM 460 with a minimum grade of D- or COMM 542G with a minimum grade of D-) or (Has Accred Associate Deg with a score of WAIV or Has Accred Bachelor Deg with a score of WAIV).

**Equivalent(s):** COMM 605G**Grade Mode:** Letter Grading**COM 595 - Writing for Voiceover****Credits:** 2

Writing and performing voiceover audio is a specialty skill all media producers will be called upon to develop. A well-written script for voiceover will enable the audience to clearly understand messages and meaning according to the producer's goal. This course introduces students to the foundational principles of writing voiceover copy and provides opportunities to refine voiceover performances to engage the audience and establish credibility. Through a workshop format, students will create original works and performances as well as adapt and refine works written by others.

**Equivalent(s):** COMM 648G**Grade Mode:** Letter Grading**COM 644 - Special Topics: Upper Level****Credits:** 1-4

The study of current and variable topics in Communication. Course content changes from term to term. It is expected that the learner will have prior coursework or experience in the subject area.

**Repeat Rule:** May be repeated up to unlimited times.**Equivalent(s):** COMM 644G**Grade Mode:** Letter Grading**COM 645 - Advanced Digital Illustration****Credits:** 4

This course builds upon COM 545 Digital Illustration by challenging students to advance their skills in Adobe Photoshop and Illustrator. Course projects entail combining vector and raster images, advanced image manipulation, and utilizing web graphics, print images, and interactive motion graphics for web and video. Effective application of design elements and principles in concept generation will be emphasized. Through peer review, instructor feedback, and reflection, students explore each phase of the design process in depth. Strategies for assembling a digital portfolio are also explored.

**Prerequisite(s):** COM 545 with a minimum grade of D- or COMM 545G with a minimum grade of D-.

**Equivalent(s):** COMM 645G**Grade Mode:** Letter Grading**COM 647 - Writing for Visual Media****Credits:** 4

By emphasizing the interplay between text and image in the production of meaning, this course introduces students to the unique attributes of writing for visual media. In a workshop format, students will refine skills in areas such as blogging, copy writing, landing pages, social media, and public relations. The course surveys various stages in the writing process, to include concept, drafting, integrating stakeholder feedback, and revision, in order to produce a final product.

**Attributes:** Writing Intensive Course**Equivalent(s):** COMM 547G**Grade Mode:** Letter Grading**COM 660W - Leveraging AI in Workplace Communication****Credits:** 4

This course explores practical applications of artificial intelligence (AI) tools in enhancing workplace communication across various scenarios and contexts, including reports and presentations, team collaboration, and inter-departmental communication. Students gain experience with a variety of AI-driven technologies, from chatbots and virtual assistants to sentiment analysis tools and automated content and image generation. The course focuses on building knowledge and skills to effectively integrate AI tools into existing workplace communication practices, promoting clarity, efficiency, and innovation in professional interactions.

**Attributes:** Writing Intensive Course**Grade Mode:** Letter Grading

**COM 665 - Media and Strategic Communication****Credits:** 4

This course explores the use of media in strategic communication toward the attainment of organizational objectives. Students will explore the impact of public relations, media outreach, marketing, branding, and leadership communication on both internal and external audiences in a variety of settings and sectors. The role and purpose of the organizational spokesperson, the function of the leader as the chief communicator, the strategic alignment of message and messenger, and effective use of technology in business communications will be discussed. This course provides knowledge of opportunities and pitfalls of the media environment, particularly in the digital, 24-hour news cycle age.

**Attributes:** Writing Intensive Course**Prerequisite(s):** COM 590 with a minimum grade of D-.**Equivalent(s):** COMM 602G**Grade Mode:** Letter Grading**COM 670 - Advanced Visual Communication****Credits:** 4

This course builds upon the foundation in analyzing and curating visual media established in COM 480 by focusing on how to compose, design, and deliver presentations using industry standard software (such as Microsoft PowerPoint) and web-based tools (such as Zoom, Screencast-o-matic and Prezi), among others. Equal time is devoted to each of the three stages of producing effective presentations- writing, technological design, and delivery-all of which contribute to achieving the intended purpose.

**Prerequisite(s):** COM 480 with a minimum grade of D- or COMM 543G with a minimum grade of D- or Has Accred Associate Deg with a score of WAIV or Has Accred Bachelor Deg with a score of WAIV.

**Equivalent(s):** COMM 615G**Grade Mode:** Letter Grading**COM 675 - Organizational Communication****Credits:** 4

Organizations are a fundamental component of human life: from schools, to workplaces, as well as volunteer and recreational groups, we all function within in organizations. This course examines the multi-level communication that occurs within organizations - among leaders, members, committees, teams, and departments - as vital to its success and longevity. Students analyze how organizations rely upon effective communication to anticipate and mitigate conflict. Students also devise strategies to utilize various forms of communication to contribute uniquely and meaningfully to organizations.

**Attributes:** Writing Intensive Course**Equivalent(s):** COMM 620G**Grade Mode:** Letter Grading**COM 680 - Trends in Digital and Social Media****Credits:** 4

This course provides an opportunity for students to explore key technical, ethical, and experiential elements in contemporary digital and social media and integrate them into a project-based solution of the student's choosing. Topics are drawn from immediate trends and are interrogated for their effects on individuals, communities, society, and the world. Students also select a topic of their own for further study.

**Attributes:** Writing Intensive Course**Equivalent(s):** COMM 601G**Grade Mode:** Letter Grading**COM 685 - Web Development II****Credits:** 4

Building on skills learned in Web Development I, students continue to gain an understanding of the terminology, development tools, and fundamental skills related to designing a successful website. Current software applications are learned as appropriate to the process.

**Prerequisite(s):** COM 504 with a minimum grade of D- or COMM 504G with a minimum grade of D-.

**Equivalent(s):** COMM 604G**Grade Mode:** Letter Grading**COM 707 - Communication for Training and Performance Improvement****Credits:** 2

The ability to write, design, speak, and record media for the purpose of training instruction draws upon specialized communication skills and knowledge of a systematic creative process. This course prepares students to contribute meaningfully to teams and organizations by introducing them to the foundational principles of instructional design as a form of communication, and then facilitates practice in the technical skills to produce media for the purpose of addressing a training or performance improvement need.

**Prerequisite(s):** COM 535 with a minimum grade of D- or COMM 505G with a minimum grade of D-.

**Equivalent(s):** COMM 607G**Grade Mode:** Letter Grading**COM 710 - Managerial Communication****Credits:** 4

Managerial roles increasingly emphasize negotiation, coaching, collaboration, and consensus building. Situational analysis and planning are key attributes of effective managerial communication. As such, this course develops and sharpens students' decision-making, team-building, and analytical problem-solving abilities. The course also embraces peer and instructor feedback as tools to refine students' impromptu and formal presentation skills in managerial contexts.

**Attributes:** Writing Intensive Course

**Prerequisite(s):** COM 590 with a minimum grade of D- or COMM 605G with a minimum grade of D-.

**Equivalent(s):** COMM 610G**Grade Mode:** Letter Grading**COM 743 - Synthetic Media and the Construction of Reality****Credits:** 4

In the past 25 years, electronic media, mobile devices, and algorithmically optimized information networks have intensified how humans have engaged with mediated information. This course examines the collateral effects of this phenomenon on our habits, norms, beliefs, and cognitive processing. Students will study the historical, political, and theoretical narrative that has led to questions about the construction of social worlds, the construct of reality, and the legitimacy of information. A special focus will be made in studying the implications of synthetic deepfake and AI-driven text generating systems in accelerating these effects.

**Equivalent(s):** COMM 643G**Grade Mode:** Letter Grading

**COM 765W - Strategic Communication****Credits:** 4

In contrast to Organizational Communication, the study of Strategic Communication focuses on how organizations communicate with their external publics, to include vendors, clients, and shareholders, among others. This course surveys public relations, insofar as it explores how an organization crafts, maintains, and redefines its image, in times of success as well as crisis. Students practice producing reliable strategic writing in the form of press releases, newsletters, and brochures, with particular emphasis upon skills in instant response, clarifying and simplifying complex information, as well as considerations of privacy, ethics, and legality.

**Attributes:** Writing Intensive Course**Prerequisite(s):** COM 675 with a minimum grade of D-.**Equivalent(s):** COM 565, COMM 565G**Grade Mode:** Letter Grading**COM 797 - Integrative Capstone: Project in Professional Communication****Credits:** 4

This capstone course for the Professional Communication major builds on previous study in the field and provides an opportunity to apply learning in an in-depth project. Projects must employ applied research, demonstrate knowledge of communication theory, and integrate reflection on cultural and/or organizational dimensions of communication. Students synthesize their knowledge of theory and practice to develop and implement a project in their own area of professional interest. Prior to capstone enrollment, students are expected to complete the majority of their required major courses. Students should consult with their advisor regarding specific major courses that may be completed with their capstone. NOTE: Students who were admitted to the college before Fall 2019 and have remained active in their original catalog year are not required to take IDIS 601.

**Attributes:** Writing Intensive Course**Prerequisite(s):** (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and (IDIS 601 with a minimum grade of D- or IDIS 601G with a minimum grade of D-).**Equivalent(s):** COMM 650G**Grade Mode:** Letter Grading**COM 798 - Integrative Capstone: Project in Digital Communication Design****Credits:** 4

The Capstone course for the Digital Communication Design major enables the student to apply what they have learned throughout their academic career within a project of their choosing. Students will propose, design, develop, and report on a project that touches upon each of the Programmatic Outcomes for their major and concentration to demonstrate their knowledge and proficiency. Students will work in partnership with faculty to create a project that meets the requirements, output, and format of Capstone-level research. Prior to capstone enrollment, students are expected to complete the majority of their required major courses. Students should consult with their advisor regarding specific major courses that may be completed with their capstone. NOTE: Students who were admitted to the college before Fall 2019 and have remained active in their original catalog year are not required to take IDIS 601.

**Attributes:** Writing Intensive Course**Prerequisite(s):** (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and (IDIS 601 with a minimum grade of D- or IDIS 601G with a minimum grade of D-).**Equivalent(s):** COMM 651G**Grade Mode:** Letter Grading**Critical Thinking (CRIT)****CRIT 501 - Introduction to Critical Inquiry****Credits:** 4

Introduction to Critical Inquiry provides the foundation for an informed and meaningful college experience through the cultivation of intellectual curiosity. Through the study of media and popular culture and the completion of short writing assignments, students learn how to develop and scale a personally-motivated research question, refine their topic, determine effective search strategies for finding credible and appropriate information, and learning to recognize bias and logical fallacies. Important aspects of the research process are learning how to analyze different types of argument and to evaluate information sources from a variety of venues. Critical Inquiry fosters the self-awareness and intellectual perspective that are the hallmarks of well-educated persons and lifelong, engaged students in the twenty-first century.

**Attributes:** Critical Inquiry (Gen Ed); Inquiry (Discovery); Writing Intensive Course**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or ENGL 401 with a minimum grade of D-.**Equivalent(s):** CRIT 501G**Grade Mode:** Letter Grading



**CRIT 602 - Advanced Critical Analysis and Strategic Thinking****Credits:** 4

What is the link between an academic degree and one's career or professional development? In this course, students explore trends in their field of study and connect them to their academic and professional context. Students synthesize and present their research findings through a variety of formal and informal written communication formats. This course reinforces critical analysis and strategic thinking skills for students developing their course of study, seeking professional advancement, or preparing for future graduate study. Students with a regionally-accredited associate degree do not have to take either ENG 420 or CRIT 501 as prerequisites for CRIT 602.

**Attributes:** Critical Inquiry (Gen Ed); Writing Intensive Course**Prerequisite(s):** (ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-) and (CRIT 501 with a minimum grade of D- or CRIT 501G with a minimum grade of D-) or (Has Accred Associate Deg with a score of WAIV).**Equivalent(s):** CRIT 502G, CRIT 602G**Grade Mode:** Letter Grading**CRIT 603 - Critical Inquiry in Prior Learning Assessment****Credits:** 4

This course is designed for adults who have identified prior experiential learning equivalent to outstanding degree requirements through a systematic process of goal-setting and self-assessment in the context of degree-planning. Students use the conceptual framework of critical inquiry to demonstrate this learning in an eportfolio. For each course-equivalent credit request, the portfolio will identify the context for the student's learning in the subject matter, trace the progression of the learning over time, and explain how the learning is equivalent to a degree requirement. The student will demonstrate mastery of each learning outcome for the credit request and integrate the learning outcomes in a relevant personal case study in decision-making. Two credit requests that meet the criteria to be submitted to Academic Affairs for evaluation are required to pass CRIT 603. NOTE: Students within 16 credits of their projected degree completion date are not eligible to take CRIT 603.

**Attributes:** Writing Intensive Course**Prerequisite(s):** CRIT 602 with a minimum grade of D- or CRIT 502G with a minimum grade of D- or CRIT 602G with a minimum grade of D-.**Equivalent(s):** CRIT 503G, CRIT 603G**Grade Mode:** Letter Grading**English (ENG)****ENG 420 - The Writing Process****Credits:** 4

This course introduces students to the foundational concepts and skills needed to communicate effectively in writing for academic study and professional development. Students will learn how to use the four stages of the writing process - prewriting, drafting, revising, and editing - to create written communication that meets its intended purpose for its intended audience. Students will also be introduced to rhetorical styles and the role of outside sources in academic writing. Constructing and implementing effectively-designed search strategies for information to answer a critical inquiry or research question are also addressed in this course.

**Attributes:** English (Gen Ed); Writing Intensive Course**Equivalent(s):** ENG 500G**Mutual Exclusion:** No credit for students who have taken ENGL 401.**Grade Mode:** Letter Grading**ENG 450 - Introduction to Literature****Credits:** 4

This writing and reading intensive course is foremost intended to increase students' exposure to and appreciation of literature in its many forms. Students will therefore read and discuss the primary genres of poetry, the short story, drama, and the novel. The second goal of the course is to hone students' abilities to read, write, and think critically about the ways in which human experience itself is shaped by language in literary texts. Through the development of literary analysis skills and the practice of writing about literature, students will learn to communicate meaningfully about literature as an art form with aesthetic, social, cultural, and political significance.

**Attributes:** Human Thought Exp (Gen Ed); Humanities(Disc); Writing Intensive Course**Prerequisite(s):** (CRIT 501 with a minimum grade of D- or CRIT 501G with a minimum grade of D-) and (ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or ENGL 401 with a minimum grade of D-).**Equivalent(s):** ENG 504G**Grade Mode:** Letter Grading**ENG 505 - Introduction to Language and Linguistics****Credits:** 4

This course promotes meaningful literacy instruction through the study of language, language acquisition, the study of sounds and sound formation, word formation, and how words combine into larger meaningful units. The prescriptive standardization of such language forms as spelling, semantics, pronunciation, style, and register are addressed in this course. Basic components of descriptive grammar, to include syntax, semantics, phonology, and morphology are applied. Students will have the opportunity to develop an appreciation for regional and ethnic dialects and examine how language changes and develops over time.

**Attributes:** Human Thought Exp (Gen Ed); Writing Intensive Course**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.**Equivalent(s):** ENG 505G**Grade Mode:** Letter Grading**ENG 544 - Special Topics: Lower Level****Credits:** 1-4

A study of current and variable topics in English. Course content changes from term to term.

**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.**Repeat Rule:** May be repeated up to unlimited times.**Equivalent(s):** ENG 544G**Grade Mode:** Letter Grading

**ENG 545 - The Media and Its Messages****Credits:** 4

Grounded within the context of media studies, this course engages students in a critical and analytical exploration of the media and its influences on American culture and society. The course examines the various ways that the media functions as both a lens for interpreting culture and a tool through which culture is shaped. Through critical engagement with various forms of media, students explore the roles of film, visual art, television, music, mass media, and web-based media in shaping their understanding of literature, writing, and culture.

**Attributes:** Environment,TechSociety(Disc); Human Thought Exp (Gen Ed); Writing Intensive Course

**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.

**Equivalent(s):** ENG 508G

**Grade Mode:** Letter Grading

**ENG 555 - Children's Literature****Credits:** 4

What are the qualities that make a particular work of children's literature endure? Why do some deceptively simple books remain favorites for years? Citing the work of psychologists, art historians, educators, and authors, students explore these and similar questions. The course considers picture books, traditional literature, and Young Adult novels. Students prepare annotated bibliographies of various genres, taking a personal look at the important role particular books play in the moral and social development of children.

**Attributes:** Human Thought Exp (Gen Ed); Humanities(Disc)

**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or ENGL 401 with a minimum grade of D-.

**Equivalent(s):** ENG 555G

**Grade Mode:** Letter Grading

**ENG 565 - Modern American Writers 1865 to the Present****Credits:** 4

For the past 150 years, American writers have grappled with the concept of what America is and what it might become. By reading fiction, poetry, drama, and non-fiction from 1865 to the present, this course explores how modern writers have shaped—and revealed—American identities. Readings may include authors of "Local Color" writing, Realism, the "Lost Generation," and the Postmodern era, as well as writers of the Harlem, Southern, and Native American Renaissances, in their historical, literary, and cultural contexts. Through reading, writing, and research, learners will interrogate evolving American experiences.

**Attributes:** Human Thought Exp (Gen Ed); Humanities(Disc)

**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or ENGL 401 with a minimum grade of D-.

**Equivalent(s):** ENG 510G

**Grade Mode:** Letter Grading

**ENG 585 - Short Fiction****Credits:** 4

This class focuses on late 19th through early 21st century short fiction, including both the short story and the novella. Readings and discussion of primary works by selected authors combine with study of secondary commentaries that outline the evolution of and theories about the genre. Students develop a basis for interpreting complex texts and for analyzing the techniques and characteristics that give short fiction its distinctive literary flavor.

**Attributes:** Human Thought Exp (Gen Ed); Writing Intensive Course

**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.

**Equivalent(s):** ENG 633G

**Grade Mode:** Letter Grading

**ENG 590 - Expository Writing****Credits:** 4

This course extends and refines writing, reading, and critical thinking skills. Through analysis of texts, study of language as a symbol system, and exploration of advanced expository and persuasive techniques, students identify and apply effective strategies for creating and communicating meaning in their own essays. Writing within the course integrates research and citation in ways that are appropriate to the individual learner's chosen field of study. The workshop format of the course includes class discussion, individual conferences with the instructor, and peer critique of work in progress.

**Attributes:** Writing Intensive Course

**Prerequisite(s):** (CRIT 501 with a minimum grade of D- or CRIT 501G with a minimum grade of D-) and (ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-).

**Equivalent(s):** ENG 600G

**Grade Mode:** Letter Grading

**ENG 604 - Creative Writing****Credits:** 4

The goal of this course is for students to develop their own capacity for creative expression by writing in fiction, poetry, and other genres using the major craft forms and elements of the genre. They will also generate strategies for reading and interpreting contemporary published writing in the same genres. A workshop format will be used for students to learn how discussing works in progress with other writers can advance their own creative expression and support the creative expression of others. The workshop format will also introduce students to the unique challenges posed by the revision process in reworking an original creative work for an external audience.

**Attributes:** FinePerformingArts(Discovery); Human Thought Exp (Gen Ed); Writing Intensive Course

**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.

**Equivalent(s):** ENG 604G

**Grade Mode:** Letter Grading

**ENG 610 - War Writing in the 21st Century****Credits:** 4

This course is designed to bridge the ever-widening civilian-military gap in the United States by examining the twenty-first century war experience through literature. The course will explore stories in multiple genres such as fiction, poetry, memoir, drama, and blogs to gain insights into the value of stories portraying combat and its aftermath. The course will also explore representations of military families on the home front. In addition to assigned readings, learners will have the opportunity to design research projects tailored to their own interests. This course provides insight to those who work with veterans and/or military families in the fields of behavioral health, health care, business, or education, and to anyone exercising their civic duties in a democracy.

**Attributes:** Human Thought Exp (Gen Ed); Writing Intensive Course**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.**Equivalent(s):** ENG 550G**Grade Mode:** Letter Grading**ENG 615 - Young Adult Literature****Credits:** 4

This course explores a wide range of literature for young adults, along with social and literary criticism that help to illuminate the impact of this literature. Through readings and discussion of both current and classic literature, students identify why literature is a powerful tool and how it can help young adults shape their lives. Learners respond to young adult literature through written analyses and critiques.

**Attributes:** Human Thought Exp (Gen Ed); Humanities(Disc)**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or ENGL 401 with a minimum grade of D-.**Equivalent(s):** ENG 560G**Grade Mode:** Letter Grading**ENG 620 - Multicultural Perspectives through Literature****Credits:** 4

As the new realities of the global village erode long-standing assumptions about discrete nationhood and fixed cultures, the concept of what it means to be an American is also shifting. Through representative literary works, this course explores the challenges individuals from various ethnic, racial, and cultural backgrounds confront within a pluralistic society. Students construct a more inclusive definition of culture, assess traditional attitudes about race and ethnicity, and appreciate just how deeply Native, African, Hispanic, Asian, and European Americans have enriched our national identity.

**Attributes:** Human Thought Exp (Gen Ed); Humanities(Disc)**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or ENGL 401 with a minimum grade of D-.**Equivalent(s):** ENG 620G**Grade Mode:** Letter Grading**ENG 625 - Readings in World Literature****Credits:** 4

This course surveys representative texts in English by writers around the world, past and present. Readings from diverse periods and genres introduce major themes, movements, and topics in selected works from any or all of the following: antiquity, Europe, Asia, Africa, Latin America, the Caribbean, and the Pacific. Discussions of political, historical, and cultural contexts suggest the powerful forces that have shaped and continue to influence literary forms and traditions outside the U.S. and Britain.

**Attributes:** Human Thought Exp (Gen Ed)**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.**Equivalent(s):** ENG 625G**Grade Mode:** Letter Grading**ENG 644 - Special Topics: Upper Level****Credits:** 1-4

A study of current and variable topics in English. Course content changes from term to term. It is expected that the student will have prior coursework or experience in the subject matter.

**Repeat Rule:** May be repeated up to unlimited times.**Equivalent(s):** ENG 644G**Grade Mode:** Letter Grading**ENG 645 - Disability in Literature and Culture****Credits:** 4

This course provides students with an in-depth study of how the portrayal of people with disabilities of many kinds - physical, emotional, social, and mental - in literature is reflective of the social and historical context in which it was written. Students apply close textual analysis of the imagery used to describe people with disabilities and evaluate the cultural attitudes this use of language reveals. Students read literature written by both disabled and non-disabled authors and analyze the ways that many stereotypical portrayals of disability undermine the disability community. Questions of how a culture decides what is "normal," how portrayals of the disability experience in literature differ between adults and children, and how the advocacy role is portrayed in literature are also examined. The goal of this course is to discover how literature can challenge our own assumptions about the experience of the disabled by contemplating what ultimately makes us human.

**Attributes:** Human Thought Exp (Gen Ed); Writing Intensive Course**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.**Equivalent(s):** ENG 645G**Grade Mode:** Letter Grading



**ENG 675 - Survey of Classic Literature Through Film****Credits:** 4

This course explores the interaction between film and literature in order to introduce students to major literary texts and their adaptations through film. Students will have the opportunity to read and analyze a selection of novels, plays, and poetry from major American and British writers. The course invites students to investigate cinematic interpretations of major works, and to position them within their historical and cultural contexts (taking careful consideration of portrayals of race, gender, class, religion, and sexuality). Students will practice analyzing literary text and film, and engage in scholarly and critical research. Additionally, they will use their work over the course of the semester to either create their own research on the topic or develop a lesson plan that incorporates literature and film for K-12 students. Selections of texts and films will represent commonly taught works.

**Attributes:** Human Thought Exp (Gen Ed)**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or Has Accred Associate Deg with a score of WAIV or Has Accred Bachelor Deg with a score of WAIV.**Equivalent(s):** ENG 636G**Grade Mode:** Letter Grading**ENG 730 - The Graphic Novel****Credits:** 4

This course will explore several different kinds of graphic novellas, memoir, fantasy, social critiques, adaptations, etc. in an effort to understand how writers and illustrators weave words and images together to create meaning in unique ways that transcend traditional genres and harness new modes of expression. The students will have an opportunity to broaden their knowledge and appreciation of graphic novels as they apply critical concepts to their study and produce their own comics. Recommended: ART 401 and CRIT 501.

**Attributes:** Human Thought Exp (Gen Ed)**Prerequisite(s):** ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-.**Equivalent(s):** ENG 630G**Grade Mode:** Letter Grading**History (HIS)****HIS 402 - Great Civilizations****Credits:** 4

For thousands of years, humans have created communities that align with certain perceived value systems. From these value systems, great civilizations have been cultivated, developed, and brought into conflict with other cultures. This course examines the rise of civilizations throughout the world, tracing the history of human societies from their beginnings through 1000 C.E. After surveying the prehistoric period and early civilization, the course focuses on the religious, political, and cultural characteristics of key civilizations from around the world. Emphasis will be placed on patterns of civilization, human conflict and interaction, and the development of human thought and expression.

**Attributes:** Historical Perspectives(Disc); Human Thought Exp (Gen Ed)**Equivalent(s):** HIS 502G**Mutual Exclusion:** No credit for students who have taken HIST 421.**Grade Mode:** Letter Grading**HIS 410 - United States History to 1865****Credits:** 4

This course focuses on the origins and development of issues relevant to Americans today through the examination of the history of the United States from its earliest settlement through the Civil War. Students study themes and events ranging from Native American cultures and their contact with early European settlements, the triumph of British over French and Spanish settlers, the upheavals of the Revolution, the establishment of the United States, its expansion westward, and the development and growth of slavery which culminated in the Civil War. The focus of this class will be making connections between the past and the present day, recognizing historical themes, evaluating areas of conflict, and using evidence-based historical interpretation.

**Attributes:** Historical Perspectives(Disc); Human Thought Exp (Gen Ed)**Equivalent(s):** HIS 510G**Mutual Exclusion:** No credit for students who have taken HIST 405.**Grade Mode:** Letter Grading**HIS 411 - United States History: 1865 to the Present****Credits:** 4

This course addresses the characteristics of contemporary American society as a product of major developments, policies, conflicts, and legislation that occurred from 1865 to the present. Major topics include: reconstruction after the Civil War, industrialization and its consequences, themes and patterns of American foreign policy, the Progressive era and the New Deal, World War II, the Cold War, America's role in the era of globalism, and domestic and foreign policy developments since World War II. Students will have the opportunity to use primary and secondary sources to explore multiple perspectives and interpretations of this period in history.

**Attributes:** Historical Perspectives(Disc); Human Thought Exp (Gen Ed)**Equivalent(s):** HIS 511G**Mutual Exclusion:** No credit for students who have taken HIST 406.**Grade Mode:** Letter Grading**HIS 512 - European History: Renaissance through the Industrial Revolution****Credits:** 4

This course provides students the opportunity to engage in critical discussions about the foundations of modern western society according to key cultural, religious, and political changes associated with the Renaissance, the Reformation, and the emergence of the modern state. It also examines developments in the sciences, western philosophy, and revolutionary politics in theory and practice, through the nineteenth century, drawing connections between the past and the present day.

**Attributes:** Human Thought Exp (Gen Ed)**Equivalent(s):** HIS 512G**Grade Mode:** Letter Grading

**HIS 590 - Historical Methods****Credits:** 4

In this course, students develop and employ historical methodology appropriate to the study of events, figures, periods, and cultures of the past. Building on General Education coursework in thinking, research, and writing, the course helps to develop a historical mindset through student practice with methods and processes of the historian, in designing viable projects to explore further, and in substantive written work. The course frames key questions and concepts in the discipline and prepares students for upper-level courses in the major.

**Attributes:** Human Thought Exp (Gen Ed); Writing Intensive Course**Prerequisite(s):** (ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-) and (CRIT 501 with a minimum grade of D- or CRIT 501G with a minimum grade of D-).**Equivalent(s):** HIS 610G**Grade Mode:** Letter Grading**HIS 602 - History of New England****Credits:** 4

The course is a survey of New England's history spanning a time period from the late 1600's to the present. Students will assess New England's role in the economic, political, and military history of our nation. In addition, there is a focus on local New England communities and the important historical events and forces that contributed to their development.

**Attributes:** Human Thought Exp (Gen Ed); Writing Intensive Course**Equivalent(s):** HIS 602G**Grade Mode:** Letter Grading**HIS 611 - Themes in World History****Credits:** 4

This course examines the political, social, economic, and cultural forces that shaped the development of world civilizations from 1000 CE to the present. The focus of study will move beyond basic geography and historic timelines to ask questions about cultural interactions, conflict, and the varying forces that impacted world history, as well as to evaluate interpretations of the past. Using both primary and secondary sources, students will critically examine connections and patterns of history with a particular focus on globalism, multiculturalism, nationalism, and religious conflict throughout Europe, Africa, Asia, and the Americas.

**Attributes:** Historical Perspectives(Disc); Human Thought Exp (Gen Ed); Writing Intensive Course**Equivalent(s):** HIS 611G**Grade Mode:** Letter Grading**HIS 718 - History of World War II****Credits:** 4

This course explores the causes and consequences of the Second World War from a global perspective. It explores the rise of nationalism and totalitarianism and the impact of colonialism. The course explores the causes of WWI and its aftermath, moves through the decade of the 20's to the Depression and the rise of fascism, to the onset of the war in Europe, Africa, and the Pacific, and finally to the peace agreements and their effect on the future of the world. In particular it looks at industrial, agricultural, and democratic developments and their impact on the war. Military mobilization, gender, race, notions of "the good war," and cultural conflict will also be studied.

**Attributes:** Historical Perspectives(Disc); Human Thought Exp (Gen Ed)**Equivalent(s):** HIS 618G**Grade Mode:** Letter Grading**HIS 727 - Vietnam War: An Historical Perspective****Credits:** 4

Students will have the opportunity to examine three decades of struggle in Southeast Asia beginning with the history of French Colonial Indochina that led Communist Vietnamese revolutionaries into conflict with France, and then the United States and its Vietnamese allies. The course presents primary sources to examine the impact and significance of the war on American society and to evaluate its causes and consequences. The complexities of the lived human experiences before, during, and after the Vietnam War are studied according to a multitude of perspectives and interpretations.

**Attributes:** Human Thought Exp (Gen Ed)**Equivalent(s):** HIS 627G**Grade Mode:** Letter Grading**HIS 795 - Integrative Capstone: Internship in History****Credits:** 4

This capstone course is a field-based internship designed to develop and hone the practical application skills of a History major. The course requires students to integrate the knowledge and skills gained from other courses in the program and to demonstrate the ability to apply their knowledge to new subject matter and practical situations. Students apply for an internship at a self-selected site and negotiate the terms of the internship experience with a site supervisor under the auspices of their faculty mentor. The internship requires documented evidence of eighty hours of supervised experience and practice in a field setting where history-related knowledge and skills are applied. Students will complete a substantial, evidence-based research paper or project related to their internship work. NOTE: Registration for this course, an internship, is by permission of Academic Affairs. Early registration deadlines may apply. Prior to capstone enrollment, students are expected to complete the majority of their required major courses. Students should consult with their advisor regarding specific major courses that may be completed with their capstone. NOTE: Students who were admitted to the college before Fall 2019 and have remained active in their original catalog year are not required to take IDIS 601.

**Attributes:** Writing Intensive Course**Prerequisite(s):** (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and (IDIS 601 with a minimum grade of D- or IDIS 601G with a minimum grade of D-).**Equivalent(s):** HIS 651G**Grade Mode:** Letter Grading

**HIS 797 - Integrative: Project in History****Credits:** 4

This capstone course for History majors is designed to integrate learning from the entire major in an individually-customized project. Students demonstrate competency in history by producing an assessment of prior historical study (historiography) and a substantive original essay based on in-depth research. Prior to capstone enrollment, students are expected to complete the majority of their required major courses. Students should consult with their advisor regarding specific major courses that may be completed with their capstone. NOTE: Students who were admitted to the college before Fall 2019 and have remained active in their original catalog year are not required to take IDIS 601.

**Attributes:** Writing Intensive Course

**Prerequisite(s):** (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and (IDIS 601 with a minimum grade of D- or IDIS 601G with a minimum grade of D-).

**Equivalent(s):** HIS 660G**Grade Mode:** Letter Grading**Humanities (HUMN)****HUMN 470 - World Religions****Credits:** 4

This course offers a comparative study of world religions. The focus of the course is to acquire a broad overview of world religions through an examination of sacred texts, art and iconography, as well as religious experience and practice. Theological, philosophical and cultural influences are considered as religious language is examined. Religions considered are: Islam, Judaism, Hinduism, Christianity, Buddhism, religions of Africa, as well as primal religions.

**Attributes:** Human Thought Exp (Gen Ed)**Equivalent(s):** HUMN 504G**Grade Mode:** Letter Grading**HUMN 480 - Introduction to Ethics****Credits:** 4

This course introduces students to a variety of prominent ethical theories. It examines their complex interrelations, historical development, and relevance to ordinary life. Students are encouraged to engage in the critical analysis and comparison of these theories and to consider how they might explain and evaluate contemporary controversies such as war, environmental protection, euthanasia, and abortion. Relationships between ethics and other areas of philosophical investigation are considered.

**Attributes:** Human Thought Exp (Gen Ed); Humanities(Disc)**Equivalent(s):** HUMN 505G**Grade Mode:** Letter Grading**HUMN 502 - American Popular Culture****Credits:** 4

This course examines the origin, nature, and social impact of popular culture in America. Students explore and define what culture is, beginning with the differences between high culture, or the culture of the elite and intelligentsia, and low culture, or the culture of the masses - particularly as these differences in taste, recreation, art, and leisure activities relate to social and economic class, educational level, political power, health, and human development. Subsequently, the focus is primarily on aspects of popular culture. Students acquire and hone the skills of cultural analysis by dissecting both the ephemeral and archetypal facets of an eclectic and wide-ranging sampling of public media, art, music, fads, trends, and entertainment.

**Attributes:** Human Thought Exp (Gen Ed); Humanities(Disc)**Equivalent(s):** HUMN 502G**Grade Mode:** Letter Grading**HUMN 544 - Special Topics: Lower Level****Credits:** 1-4

A study of current and variable topics in Humanities. Course content changes from term to term.

**Repeat Rule:** May be repeated up to unlimited times.**Equivalent(s):** HUMN 544G**Grade Mode:** Letter Grading**HUMN 560 - Introductory Spanish I****Credits:** 4

HUMN 560: Introductory Spanish I establishes the foundational principles of grammar and vocabulary with a focus on present and present progressive tense comprehension and basic interpersonal communication in the Spanish language. Students will practice reading, writing, listening comprehension, and verbal expression so that they will be able to engage in first-level interpersonal exchanges. Introduction to diverse cultures from across the Spanish-speaking world will be included. Introductory Spanish I & II taken together satisfy the foreign language requirement.

**Attributes:** Human Thought Exp (Gen Ed)**Equivalent(s):** HUMN 560G**Grade Mode:** Letter Grading**HUMN 565 - Introductory Spanish II****Credits:** 4

Introductory Spanish II expands upon the fundamental principles of grammar and vocabulary with a focus on past and future tense comprehension and fluid interpersonal communication in the Spanish language. Students will practice reading, writing, listening comprehension, and verbal expression so that they will be able to engage in real world Spanish-speaking environments. Study of diverse cultures from across the Spanish-speaking world will be included. HUMN 560 and HUMN 565 taken together satisfy the foreign language requirement.

**Attributes:** Human Thought Exp (Gen Ed)**Prerequisite(s):** HUMN 560 with a minimum grade of D-.**Mutual Exclusion:** No credit for students who have taken SPAN 402.**Grade Mode:** Letter Grading

**HUMN 625 - Introduction to Cultural Theory****Credits:** 4

This writing and reading intensive course is a general introduction to the critical perspectives and theories that enliven contemporary cultural studies with attention to various schools of 20th and 21st-century criticism, critical applications, and critical terminology. Theories covered include: Marxism, Psychoanalytic criticism, Structuralism, Post-structuralism, Feminist literary studies, Gender studies, Queer studies, Critical Race studies, Post-colonialism, New Historicism, Cultural studies, and Postmodernism. More broadly, this course explores current studies of literature and culture, examining the practices and values of literary and cultural scholars, students, and teachers in order to gain an understanding of the tradition and norms that have emerged from those practices and values, and finally, to consider which of those trends are most valuable for future critical endeavors in the field of cultural studies.

**Attributes:** Human Thought Exp (Gen Ed)**Prerequisite(s):** (ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D-) and (CRIT 501 with a minimum grade of D- or CRIT 501G with a minimum grade of D-).**Equivalent(s):** HUMN 625G**Grade Mode:** Letter Grading**HUMN 644 - Special Topics: Upper Level****Credits:** 1-4

A study of current and variable topics in Humanities. Course content changes from term to term.

**Repeat Rule:** May be repeated up to unlimited times.**Equivalent(s):** HUMN 644G**Grade Mode:** Letter Grading**HUMN 797 - Integrative Capstone: Project in Humanities****Credits:** 4

This capstone course for Humanities and English majors is designed to integrate learning from the entire program in an individually-customized project. Students demonstrate competency in the study of the humanities by producing a substantive original essay based on in-depth research. Prior to capstone enrollment, students are expected to complete the majority of their required major courses. Students should consult with their advisor regarding specific major courses that may be completed with their capstone. NOTE: Students who were admitted to the college before Fall 2019 and have remained active in their original catalog year are not required to take IDIS 601.

**Attributes:** Writing Intensive Course**Prerequisite(s):** (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and (IDIS 601 with a minimum grade of D- or IDIS 601G with a minimum grade of D-).**Equivalent(s):** HUMN 650G**Grade Mode:** Letter Grading**Interdisciplinary Studies (IDIS)****IDIS 410 - College Success Seminar****Credits:** 2

College Success Seminar provides the foundation for an informed and meaningful college experience. In the seminar, students discover how their individual capacities position them for the attainment of their goals within the academic community of the college. The course broadens understanding of key concepts common to integrative learning within higher education settings, particularly focusing on the ways multiple academic disciplines can improve success in applied careers. It empowers students to become informed users of information as well as engage in research and planning for subsequent courses. Students in this course will consider the ways various learning opportunities relate to one another and to the individual's personal, academic, and career goals. College Seminar fosters the self-awareness and intellectual perspective that are the hallmarks of well-educated persons and lifelong, engaged learners. For students in the AA General Studies program, this course will also guide students in developing their twenty credit academic concentration within the associate degree.

**Equivalent(s):** IDIS 502G**Grade Mode:** Letter Grading**IDIS 560 - Research Methods in the Behavioral Sciences****Credits:** 4

In this course, students will investigate research methods relevant to the behavioral sciences. Topics will include the scientific method, research ethics, behavioral measurement, experimental and nonexperimental research design, statistical analysis, and scientific writing. Students will apply knowledge of research design, ethics, scientific writing, and APA formatting to propose a viable empirical study to address a practical problem.

**Attributes:** Social Science (Discovery); Inquiry (Discovery); Writing Intensive Course**Prerequisite(s):** (ENG 420 with a minimum grade of D- or ENG 500G with a minimum grade of D- or ENGL 401 with a minimum grade of D-) and (CRIT 501 with a minimum grade of D- or CRIT 501G with a minimum grade of D-) and (MTH 504 with a minimum grade of D- or MATH 504G with a minimum grade of D-) and (PSY 410 with a minimum grade of D- or PSY 501G with a minimum grade of D- or SOCI 410 with a minimum grade of D- or SOC 501G with a minimum grade of D- or CRIM 410 with a minimum grade of D- or CRIM 500G with a minimum grade of D- or EDU 510G with a minimum grade of D- or EDC 500 with a minimum grade of D-).**Equivalent(s):** IDIS 501G**Mutual Exclusion:** No credit for students who have taken PSYC 502.**Grade Mode:** Letter Grading

**IDIS 601A - Interdisciplinary Seminar: Being Happy****Credits:** 4

The goal of this final general education course is to explore complex themes related to the human experience by making connections across multiple academic disciplines. Several topics will be offered each term and all sections will provide students with the opportunity to hone their research, writing, and presentation skills. Students will use advanced problem-solving skills and methodologies to reflect on the section's topic, collaborate with peers, and investigate solutions using interdisciplinary research and analysis. The theme for this topic is Being Happy, which explores concepts of happiness from the disciplines of psychology, biology, sociology, and technology.

**Attributes:** Interdisciplinary Sem (Gen Ed); Writing Intensive Course

**Prerequisite(s):** ((COM 460 with a minimum grade of D- or COMM 542G with a minimum grade of D-) and (COM 480 with a minimum grade of D- or COMM 543G with a minimum grade of D-) and (MTH 402 with a minimum grade of D- or MATH 502G with a minimum grade of D- or MTH 504 with a minimum grade of D- or MATH 504G with a minimum grade of D- or MATH at GSC or in transfer with a score of MET) and (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-)) or Has Accred Bachelor Deg with a score of WAIV or ((CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and Has Accred Associate Deg with a score of WAIV).

**Equivalent(s):** IDIS 601, IDIS 601G**Grade Mode:** Letter Grading**IDIS 601B - Interdisciplinary Seminar: Business of Beer****Credits:** 4

The goal of this final general education course is to explore complex themes related to the human experience by making connections across multiple academic disciplines. Several topics will be offered each term and all sections will provide students with the opportunity to hone their research, writing, and presentation skills. Students will use advanced problem-solving skills and methodologies to reflect on the section's topic, collaborate with peers, and investigate solutions using interdisciplinary research and analysis. The theme for this topic is the Business of Beer, and explores themes ranging from beer culture to the beer industry to sustainability.

**Attributes:** Interdisciplinary Sem (Gen Ed); Writing Intensive Course

**Prerequisite(s):** ((COM 460 with a minimum grade of D- or COMM 542G with a minimum grade of D-) and (COM 480 with a minimum grade of D- or COMM 543G with a minimum grade of D-) and (MTH 402 with a minimum grade of D- or MATH 502G with a minimum grade of D- or MTH 504 with a minimum grade of D- or MATH 504G with a minimum grade of D- or MATH at GSC or in transfer with a score of MET) and (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-)) or Has Accred Bachelor Deg with a score of WAIV or ((CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and Has Accred Associate Deg with a score of WAIV).

**Equivalent(s):** IDIS 601, IDIS 601G**Grade Mode:** Letter Grading**IDIS 601C - Interdisciplinary Seminar: Paranormal Activities****Credits:** 4

The goal of this final general education course is to explore complex themes related to the human experience by making connections across multiple academic disciplines. Several topics will be offered each term and all sections will provide students with the opportunity to hone their research, writing, and presentation skills. Students will use advanced problem-solving skills and methodologies to reflect on the section's topic, collaborate with peers, and investigate solutions using interdisciplinary research and analysis. The theme for this topic is Paranormal Activities which explores the unknown from multiple disciplines such as sociology, history, and psychology.

**Attributes:** Interdisciplinary Sem (Gen Ed); Writing Intensive Course

**Prerequisite(s):** ((COM 460 with a minimum grade of D- or COMM 542G with a minimum grade of D-) and (COM 480 with a minimum grade of D- or COMM 543G with a minimum grade of D-) and (MTH 402 with a minimum grade of D- or MATH 502G with a minimum grade of D- or MTH 504 with a minimum grade of D- or MATH 504G with a minimum grade of D- or MATH at GSC or in transfer with a score of MET) and (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-)) or Has Accred Bachelor Deg with a score of WAIV or ((CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and Has Accred Associate Deg with a score of WAIV).

**Equivalent(s):** IDIS 601G**Grade Mode:** Letter Grading**IDIS 797 - Integrative Capstone: Project in Interdisciplinary Studies****Credits:** 4

This capstone course for the Individualized Studies major builds on previous study in the field and provides an opportunity to apply learning in an in-depth project. Projects must employ applied research, demonstrate knowledge of key concepts and theories, and integrate reflection on developments within this chosen area of study. Students synthesize their knowledge of theory and practice to develop and implement a project in their own area of professional interest. Prior to capstone enrollment, students are expected to complete the majority of their required major courses. Students should consult with their advisor regarding specific major courses that may be completed with their capstone.

**Attributes:** Writing Intensive Course

**Prerequisite(s):** (CRIT 602 with a minimum grade of D- or CRIT 602G with a minimum grade of D- or CRIT 502G with a minimum grade of D-) and (IDIS 601 with a minimum grade of D- or IDIS 601G with a minimum grade of D-).

**Grade Mode:** Letter Grading



**Mathematics (MTH)****MTH 402 - Math for Our World****Credits:** 4

This course takes an integrated approach to the study of mathematics, combining mathematical concepts with applications in the real world. It addresses topics in mathematics necessary in a college education, providing the reasoning strategies needed for mathematical problem solving in the workplace, the media, and everyday life. The course serves as the foundation for higher-level math courses and provides the quantitative skills necessary to be adequately prepared for coursework in other academic areas. The overarching goal is to learn to interpret quantitative and statistical information that we encounter daily. Students will understand how real-world problems can be analyzed using the power and rigor of mathematical and statistical models. Topics include: problem solving, math of finance, geometry, basic probability, and beginning statistical concepts with an emphasis on real world applications and interpreting information. The use of Excel will be incorporated into the topics of this course. Acceptable scores on Accuplacer Arithmetic and Elementary Algebra Accuplacer Classic or Next Generation Accuplacer assessments; or approved exemption based on previous high school transcripts: a grade of C or better in both Algebra and Geometry taken within the last five years; or SAT Math score of 500+ or ACT Math score of 18+ taken within five years of registration; or successful completion of the ALEKS Program Math Tutorial as determined by the college's math faculty required. Accuplacer or ALEKS assessments should be completed within five years of registering for course.

**Attributes:** Mathematics (Gen Ed); Quantitative Reasoning(Disc)

**Prerequisite(s):** (Classic Arithmetic Accuplacer with a score of 080 and CL Elem Algebra - Accuplacer with a score of 036) or (Arithmetic Accuplacer-Next Gen with a score of 263 and Quant,Alg,Stats Accp-Next Gen with a score of 237) or C MATH 405/or taken elsewhere with a score of WAIV or SAT Math with a score of 500 or ACT Reading with a score of 18 or GSC Math Workshop Completed with a score of WAIV.

**Equivalent(s):** MATH 502G

**Grade Mode:** Letter Grading

**MTH 504 - Statistics****Credits:** 4

This course addresses introductory statistical concepts, methods, and procedures important for making well-informed decisions in real world settings. It provides students with both theoretical principles and practical skills in statistics. Topics include an overview of descriptive and inferential statistics, specifically sampling, measurements of central tendency and dispersion, frequency distributions, graphing techniques, probability theory, hypothesis testing, normal distribution, regression and correlation, t-tests, and analysis of variance. An acceptable score on the Classic or Next Generation Accuplacer arithmetic and elementary algebra assessment. Accuplacer assessments should be completed within five years of registering for course. NOTE: Excel proficiency is expected prior to enrollment in this course.

**Attributes:** Mathematics (Gen Ed); Quantitative Reasoning(Disc)

**Prerequisite(s):** MTH 402 with a minimum grade of D- or MATH 502G with a minimum grade of D-.

**Equivalent(s):** MATH 504G

**Mutual Exclusion:** No credit for students who have taken BUS 430, PSYC 402, PSYC 402H, SOC 402, SOC 402H, SOC 502, SOC 502H.

**Grade Mode:** Letter Grading

**MTH 510 - Pre-Calculus****Credits:** 4

This course is intended as a bridge course between algebra and calculus. The course focuses on strengthening the student's mathematical problem solving skills and developing a firm understanding of functions, their graphical representation, their behavior, and their use to model real-life situations. Various classes of functions will be highlighted: polynomials, rational, exponential, logarithmic, and trigonometric. Topics may also include: algebraic concepts, real number system, systems of equations and inequalities, complex numbers, and polar coordinates. An acceptable score on the Classic or Next Generation Accuplacer assessment(s) is accepted prior to taking this course. Accuplacer assessments should be completed within five years of registering for course. A graphing calculator is required.

**Attributes:** Mathematics (Gen Ed); Quantitative Reasoning(Disc)

**Prerequisite(s):** MTH 402 with a minimum grade of D- or MATH 502G with a minimum grade of D-.

**Equivalent(s):** MATH 510G

**Grade Mode:** Letter Grading

**MTH 544 - Special Topics: Lower Level****Credits:** 1-4

A study of current and variable topic in mathematics. Course content will change from term to term.

**Repeat Rule:** May be repeated up to unlimited times.

**Equivalent(s):** MATH 544G

**Grade Mode:** Letter Grading

**MTH 701 - Probability and Statistics****Credits:** 4

In this course students study topics in data analysis including: descriptive and inferential statistics, probability, odds and fair games, probability distributions, normal distributions, and estimation. Among the topics are numerical and graphical summaries for one and two variables, linear regression and correlation, confidence intervals and tests concerning means, sampling and experimentation, basic probability, confidence intervals, hypothesis testing, sampling distributions, two-sample t-tests for means, chi-squared tests, regress and correlation, and possible other topics. A standards statistical software package is used throughout the course to support the course format that includes: hands-on activities, computer-based simulations, creating and implementing student developed investigations, and actual secondary and middle school mathematics classroom activities. Throughout the course students are given opportunities to relate the mathematical concepts studied in this course to the mathematical concepts they will be teaching.

**Prerequisite(s):** MTH 402 with a minimum grade of D- or MATH 502G with a minimum grade of D-.

**Equivalent(s):** MATH 603G

**Mutual Exclusion:** No credit for students who have taken MATH 439, MATH 623, PSYC 402, SOC 402, SOC 402H, SOC 502.

**Grade Mode:** Letter Grading

**MTH 702 - Mathematical Proof****Credits:** 4

This course introduces students to the language and methods used to create and write mathematical proofs and solve problems. Methods of proof will include: direct, contrapositive, contradiction, and induction. Methods of problem solving will be based on Polya's four steps for problem solving. Students will learn about and utilize the many functions of proof including: verification, explanation, communication, discovery, justification, and inquiry. The course will also explore the relationship between problem solving and the process of proving. Students will explore fundamental abstract concepts in mathematics chosen from the following areas: functions and relations, set theory, number theory, and logic, Euclidian and non-Euclidian geometry, algebra, mathematical reasoning, proof, and problem solving. Connections to middle and secondary school mathematics.

**Prerequisite(s):** MTH 510 with a minimum grade of D- or MATH 510G with a minimum grade of D-.

**Equivalent(s):** MATH 600G

**Grade Mode:** Letter Grading

**MTH 703 - Number Systems****Credits:** 4

This course examines the structure and properties of mathematics while focusing on the development of mental mathematics strategies and problem solving skills. Topics include sets, functions, applications of rational numbers, integers, fractions, decimals, percentages, and number theory. Appropriate grade level techniques are utilized to investigate algorithms, probability and statistics, counting techniques, scientific notation, complex numbers, exponents, geometry, and measurement. Students will also investigate ratios, proportion, data analysis, patterns, and the connections to algebra and geometry topics in the context of the 5-12 grades mathematics curriculum.

**Prerequisite(s):** MTH 510 with a minimum grade of D- or MATH 510G with a minimum grade of D-.

**Equivalent(s):** MATH 601G

**Mutual Exclusion:** No credit for students who have taken MATH 621.

**Grade Mode:** Letter Grading

**MTH 704 - Geometric Structures****Credits:** 4

This course will examine concepts in Euclidean and non-Euclidean geometries. Course topics include area and volume, two- and three-dimensional perspective, congruence and similarity, properties of and relationships among geometric shapes and structures. Students will investigate graphing, vectors, motion, and symmetry. Students engage in course concepts through proofs, problem solving, dynamic geometric software, and through activities used in secondary and middle school mathematics. Throughout the course students will be given opportunities to relate the mathematical concepts studied to the mathematical concepts they will be teaching.

**Prerequisite(s):** MTH 510 with a minimum grade of D- or MATH 510G with a minimum grade of D-.

**Equivalent(s):** MATH 602G

**Mutual Exclusion:** No credit for students who have taken MATH 622.

**Grade Mode:** Letter Grading

**MTH 705 - Calculus I****Credits:** 4

This course is the first semester of a calculus sequence dealing with applications and modeling of the differential and integral calculus. The course focuses on functions and their graphs, limits, continuity, differentiation, integration, the derivative and its uses in optimization and mathematical modeling, as well as the Fundamental Theorem. Throughout the course students are given opportunities to relate the mathematical concepts studied to the mathematical concepts they will be teaching. Graphing calculators are used throughout the course to explore and represent concepts.

**Prerequisite(s):** MTH 510 with a minimum grade of D- or MATH 510G with a minimum grade of D-.

**Equivalent(s):** MATH 606G

**Mutual Exclusion:** No credit for students who have taken MATH 425.

**Grade Mode:** Letter Grading

**MTH 706 - History of Mathematics****Credits:** 4

This course addresses the historical development of major themes in mathematics, including calculation, numbers, geometry, algebra, infinity, and formalism in various civilizations ranging from the antiquity of Babylonia and Egypt through classical Greece, the Middle and Far East, and on to modern Europe. The course emphasizes how earlier civilizations influenced or failed to influence later ones and how the concepts evolved in these various civilizations.

**Prerequisite(s):** MTH 705 with a minimum grade of D- or MATH 606G with a minimum grade of D-.

**Equivalent(s):** MATH 608G

**Mutual Exclusion:** No credit for students who have taken MATH 790.

**Grade Mode:** Letter Grading

**MTH 707 - Calculus II****Credits:** 4

This course is the second semester of a calculus sequence dealing with applications of differential and multivariable calculus. Topics include the calculus of transcendental functions, applications of integration, some differential equations, sequences and series, differentiation and integration of trigonometric functions multidimensional calculus with applications, and an introduction to multivariable calculus. Throughout the course students are given opportunities to relate the mathematical concepts studied to the mathematical concepts they will be teaching. Graphing calculators are used throughout the course to explore and represent concepts.

**Prerequisite(s):** MTH 705 with a minimum grade of D- or MATH 606G with a minimum grade of D-.

**Equivalent(s):** MATH 607G

**Mutual Exclusion:** No credit for students who have taken MATH 426.

**Grade Mode:** Letter Grading

**MTH 708 - Discrete Mathematics****Credits:** 4

This course is designed to introduce students to discrete and abstract mathematical topics. Topics include propositional and predicate logic; elementary set theory; introduction to proof techniques including mathematical induction; sets, relations, functions, and relations; recurrence relations, graph theory, as well as the properties of groups, rings, and fields. Students study number systems, mathematical induction, algorithms and complex number systems, matrix manipulation, combinatorics, graph theory, and finite differences. Course activities are based on secondary and middle school mathematics curricula. This course considers the basic objects of mathematics through real-world examples and the methods used to elucidate their properties.

**Prerequisite(s):** MTH 705 with a minimum grade of D- or MATH 606G with a minimum grade of D-.

**Equivalent(s):** MATH 605G

**Grade Mode:** Letter Grading

**MTH 709 - Topics in Linear and Abstract Algebra****Credits:** 4

This course examines concepts in algebra including: patterns and functions, arithmetic sequences, geometric sequences, arithmetic and algebra of the integers, least common multiple and greater common divisor, inequalities, modular arithmetic and systems of numbers, properties of groups and fields, the field of complex numbers, polynomial arithmetic and algebra, linear equations. The course develops the mathematical structures, algebraic properties, and applications of matrices, determinants, vectors, vector spaces, systems of linear equations, and linear transformations. Students engage with these concepts through exploration, analysis, proof, and problem solving based on activities used in secondary and middle school mathematics. Throughout the course students are given opportunities to relate the mathematical concepts studied to the mathematical concepts they will be teaching.

**Prerequisite(s):** MTH 707 with a minimum grade of D- or MATH 607G with a minimum grade of D-.

**Equivalent(s):** MATH 604G

**Mutual Exclusion:** No credit for students who have taken MATH 545.

**Grade Mode:** Letter Grading

**MTH 710 - Algebra Theory for Middle School Teachers****Credits:** 4

This course will examine concepts in algebra including patterns and functions, arithmetic sequences, geometric sequences, arithmetic and algebra of the integers, least common multiple and greatest common divisor, inequalities, modular arithmetic and systems of numbers, basic properties of groups and fields, and polynomial arithmetic and algebra. This course will develop mathematical structures, algebraic properties, and applications of matrices. Students will engage with these concepts through exploration, analysis, proof, and problem solving based on activities used in middle school mathematics. Throughout the course students will be given opportunities to relate the mathematical concepts studied to the mathematical concepts they will be teaching.

**Prerequisite(s):** (MTH 402 with a minimum grade of D- or MATH 502G with a minimum grade of D-) and (MTH 705 with a minimum grade of D- or MATH 606G with a minimum grade of D-).

**Equivalent(s):** MATH 609G

**Mutual Exclusion:** No credit for students who have taken MATH 625.

**Grade Mode:** Letter Grading

**MTH 744 - Special Topics: Upper Level****Credits:** 1-4

A study of current and variable topics in mathematics. Course content will change from term to term.

**Repeat Rule:** May be repeated up to unlimited times.

**Equivalent(s):** MATH 644G

**Grade Mode:** Letter Grading

**Political Science (POL)****POL 450 - American Government and Politics****Credits:** 4

This course introduces the learner to the historical background, the institutions, and the political processes within the United States national government. The focus is on process, but the appropriate attention is given to the institutions of government in which the political processes occur, such as Congress, the courts, and local governments. The course employs a systems model of politics to identify how politics works in the United States. Both process and institutions are studied from a systems perspective so that critical functions and decision points can be identified, described, and assessed. Specific attention will be paid to the legislative process, elections, and enacting change.

**Attributes:** HumanBehavSocial Sys (Gen Ed); Writing Intensive Course

**Equivalent(s):** POL 550G

**Grade Mode:** Letter Grading

**POL 554 - Law and Society****Credits:** 4

This course is designed to provide an interdisciplinary approach to study of the law, incorporating history, philosophy, economics, political science, sociology, and psychology. Students are introduced to law in society by focusing on social and legal theory analysis from a critical perspective. Beginning with a historical overview of the law, learners explore the variety of forces that shape the law as well as its impact on society at large. In addition, the course provides a basic introduction to legal reasoning and the law in the context of society. Landmark United States Supreme Court criminal and civil cases will also be examined.

**Attributes:** HumanBehavSocial Sys (Gen Ed)

**Equivalent(s):** POL 554G

**Grade Mode:** Letter Grading

**POL 690 - The US in World Affairs****Credits:** 4

This course examines U.S. foreign relations since WWII with a particular focus on the late twentieth century through modern day. Students will explore patterns of U.S. policy in a volatile environment marked by fundamental changes to the international system of states since the collapse of the Soviet Union. Students trace the transformation in international relations that has led to the creation of world trade and globalized institutions, the proliferation of regional ethnic and religious conflicts, and most challenging of all, the emergence of transnational terrorism. Students will have the opportunity to analyze the international system and relevant political theories, develop competence in defining both transient and enduring national interests, and build confidence in appraising the policy responses of national actors to those challenges.

**Attributes:** HumanBehavSocial Sys (Gen Ed); Historical Perspectives(Disc); Writing Intensive Course

**Equivalent(s):** POL 600G

**Grade Mode:** Letter Grading

**Science (SCI)****SCI 412 - Introduction to Astronomy****Credits:** 4

Through a variety of activities, this course provides the student with a basic background in astronomy which enhances appreciation of the universe and the technology used in our attempt to understand it. This course exposes the student to the real, measurable, and verifiable connections that exist between the universe and life on Earth. Readings, observations, discussions, and other activities will explicate that what goes on out there can and does have a real and measurable influence on what happens down here.

**Attributes:** Physical Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 512G**Grade Mode:** Letter Grading**SCI 470 - Physical Geography****Credits:** 4

Physical Geography is the study of planet Earth. In this course, students examine the nature of the Earth's six spheres: the atmosphere (the layer of gases); hydrosphere (the water in oceans, streams, lakes, etc.); cryosphere (the ice in glaciers); geosphere (the solid earth), biosphere (life); and anthrosphere (humans and human activities). By investigating the processes operating within each sphere and how these spheres interact with each other to shape all aspects of our planet, students gain an understanding of how the Earth works and how landscape features have formed.

**Attributes:** Physical Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 518G**Grade Mode:** Letter Grading**SCI 480 - Introduction to Oceanography****Credits:** 4

This course examines the ocean, including the processes that control its major features, the life within it, and its impact on earth processes. An ecological approach is used to integrate the geological, biological, chemical, and physical aspects of oceanography. Special emphasis is placed on the coastal environment.

**Attributes:** Physical Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 520G**Mutual Exclusion:** No credit for students who have taken ESCI 501.**Grade Mode:** Letter Grading**SCI 490 - Human Biology****Credits:** 4

This course is an introductory study of anatomy and physiology that provides a foundation in biological science and the structure and function of the human body. Topics explored include cellular biology and molecular composition, tissues, organs, and how the human body systems perform and adapt. The building of a relevant vocabulary and a foundation of facts and concepts provides the background needed for further understanding of developments in bioscience and biomedicine.

**Attributes:** Biological Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 505G**Grade Mode:** Letter Grading**SCI 502 - Nutrition and Health****Credits:** 4

This course provides the student with a foundation in the science of human nutrition and metabolism. The research supporting direct and indirect links between nutrition and disease is introduced. Topics covered may include the biological functions and food sources of each nutrient; nutrition guidelines and standards; digestion and absorption of nutrients; nutrition throughout the lifecycle; food safety and technology; energy balance and weight management; eating disorders and disturbances; and physical activity.

**Attributes:** Biological Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 502G**Grade Mode:** Letter Grading**SCI 508 - Issues in Women's Health****Credits:** 4

This course examines women's health and women's health care from biological, medical, historical, political, and social perspectives. It begins with the study of endocrinology and the physiological processes unique to women. Factors related to health care issues specific to women are examined. Societal and health care constraints, which hinder women from achieving their full health potential are also addressed. The course also presents information on women's health care practices, including the concept of self-care, and relates this to the development of educated consumerism in the health care industry.

**Attributes:** Biological Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 508G**Grade Mode:** Letter Grading**SCI 528 - Natural History of Northern New England****Credits:** 4

This course focuses on the evolutionary adaptations of plants and animals that allow them to survive and thrive through all of New England's seasons. Students are introduced to the origin and development of the diverse ecosystems of our region and their relationship to the resident and migratory wildlife of Northern New England. The effects of the Ice Age on northern New England's topography and on the rhythms of the animal and plant life cycles are investigated.

**Attributes:** Phys Natural World (Gen Ed)**Equivalent(s):** SCI 528G**Grade Mode:** Letter Grading**SCI 541 - Introduction to Environmental Science****Credits:** 4

An introductory survey of global environmental problems such as global warming, acid rain, nuclear waste storage, agricultural runoff, and heavy metal contamination. This course explores the interrelationship between the natural environment and the effects of human activity resulting in pollution of air, water, and land. A major focus of the course is critical examination of ecological, economic, and political aspects of pollution in a global context.

**Attributes:** Physical Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 541G**Grade Mode:** Letter Grading**SCI 544 - Special Topics: Lower Level****Credits:** 1-4

A study of current and variable topics in Science. Course content changes from term to term.

**Repeat Rule:** May be repeated up to unlimited times.**Equivalent(s):** SCI 544G**Grade Mode:** Letter Grading

**SCI 550 - Wellness and the Human Body****Credits:** 4

This course examines the integration of the human body systems. Common pathologies that interfere with normal physiological function and quality of life are examined and evidence-based practices for disease prevention and wellness are addressed. Recommended: SCI 490.

**Attributes:** Biological Science(Discovery); Phys Natural World (Gen Ed)**Equivalent(s):** SCI 603G**Grade Mode:** Letter Grading**SCI 575 - Introduction to Lifestyle Medicine****Credits:** 4

This course introduces students to the domain of lifestyle medicine, where they will discover how everyday choices can transform well-being and health outcomes. Emphasizing evidence-based strategies, students explore the six essential pillars of lifestyle medicine – nutrition, physical activity, sleep, stress management, social connections, and avoidance of risky substance use – and develop skills to apply these concepts in personal and professional contexts.

**Attributes:** Phys Natural World (Gen Ed)**Grade Mode:** Letter Grading**SCI 604 - Principles of Exercise Science****Credits:** 4

This is an applied course addressing exercise physiology and integrated kinesiology principles. Students will examine how the mind and body respond to various intensities and modalities of exercise as well as explore various methods of measuring physiological variables such as cardiovascular fitness, muscular strength and endurance, flexibility, and body composition. Topics include: energy systems, neuromuscular concepts, and functions of the cardiovascular and respiratory systems during rest and exercise. Students enrolled in this course are required to complete the college's risk waiver prior to participating in any physical activity.

**Attributes:** Biological Science(Discovery); Phys Natural World (Gen Ed)**Prerequisite(s):** SCI 490 with a minimum grade of D- or SCI 505G with a minimum grade of D-.**Equivalent(s):** SCI 604G**Grade Mode:** Letter Grading**SCI 610 - Contemporary Issues in Personal and Global Health****Credits:** 4

This course explores current issues in health from a scientific lens. Students will examine diverse factors that influence the wellness-illness continuum related to a specific topic. Perspectives include the biological, sociocultural, behavioral, and public health implications, to these personal and global health challenges.

**Attributes:** Environment,TechSociety(Disc); Phys Natural World (Gen Ed); Writing Intensive Course**Equivalent(s):** SCI 610G**Grade Mode:** Letter Grading**SCI 615 - Fitness and Health****Credits:** 4

This course presents the concepts of physical activity and exercise that connect to our health and well-being. Students will study how exercise is a mechanism to improve fitness, control weight, cope with life stressors, and optimize mindset. Students will have the opportunity to explore how the body and mind respond to different types of physical activity and the resulting health improvements of physical activity recommendations. Health behaviors and tools that support physical activity as part of a holistic approach to wellness will be addressed.

**Attributes:** Phys Natural World (Gen Ed)**Equivalent(s):** SCI 615G**Grade Mode:** Letter Grading**SCI 644 - Special Topics: Upper Level****Credits:** 1-4

A study of current and variable topics in Science. Course content changes from term to term. It is expected that the student will have prior course work or experience in the subject area.

**Repeat Rule:** May be repeated up to unlimited times.**Equivalent(s):** SCI 644G**Grade Mode:** Letter Grading