

# ANT 201 - Survey of Anthropology

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**Credits: 3**

3 Lecture Hours

## **Description**

This course is a scientific inquiry into human variability across space and time. The evolution of humanity's biocultural nature from prehistory to present times is examined. This draws upon evidence from archaeology, physical anthropology/ human paleontology, ethnography and linguistic anthropology.

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# ART 101 - Art Appreciation

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**Credits: 3**

3 Lecture Hours

## **Description**

The Visual Communication course is designed to introduce students to the fundamental issues involved in the production and understanding of works of art within the broad context of human interaction and communication. The course introduces the student to the concepts, ideas, forms, and qualities of art and art appreciation, while simultaneously connecting the images that appear in everyday life to history, culture and visual aesthetics. Themes include ethical issues and censorship of art.

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# BIO 101 - General Biology with Lab

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**Credits: 4**

Prerequisites: High school academic biology and chemistry; Pre or Corequisite: **ENG 101**

3 Lecture Hours 2 Lab Hours

## **Description**

Emphasizes biological organization; basic biochemistry; biophysics of living systems; membrane dynamics; cellular structures and functions; cellular reproduction, photosynthesis; cellular respiration; chromosomal and molecular inheritance.

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# CIS 100 - Computer Applications and Concepts

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**Credits: 3**

3 Lecture Hours

## **Description**

This course is an exploration of modern computer technology used for communication, collaboration, problem solving, decision making, and increasing personal productivity. Topics covered include word processing, electronic spreadsheet, presentation, and database management software; collaboration and networking software; the Internet of Things; and ethical issues related to technology. This is a Windows based hands-on course.

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# CIS 113 - IT Hardware Essentials and Support

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**Credits: 3**

3 Lecture Hours

## **Description**

Students develop the necessary skills to support personal computers by solving common PC hardware and software problems. Students will learn to install and maintain a variety of processors, operating systems, and applications. Successful completion of the course prepares students for the A+ Certification examination sponsored by the Computing Technology Industry Association.

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# CIS 115 - Information Technology Fundamentals

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**Credits: 3**

Prerequisites: Basic skills using a personal computer and operating system.

3 Lecture Hours

## **Description**

This course explores technical issues involved with computers and information technology. Students will be able to set up a basic workstation, conduct basic software installation, establish basic network

connectivity, identify compatibility issues, identify/prevent basic security risks and demonstrate knowledge in the areas of safety and preventative maintenance of computers. This course prepares students considering a career in Information Technology (IT) or desiring a more detailed knowledge of IT fundamentals.

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# CIS 117 - Operating Systems Interfaces

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**Credits:** 3

**Prerequisites:** **CIS 113**

3 Lecture Hours

## **Description**

In this course, students acquire an understanding of how a computer system's hardware components impact performance of software. Students also learn about the impacts of parallelism and latency on performance as well as tradeoffs with various components such as processor clock speed, cycles per instruction, memory size and average memory access time. Problem solving is emphasized through the use of assembly language.

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# CIS 119 - Introduction to Programming - Python

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**Credits:** 4

**Prerequisites:** **CIS 113**

4 Lecture Hours

## **Description**

This course introduces computer programming using the Python programming language. Emphasis is placed on common data types, control flow, object-oriented programming and graphical user interface-driven applications utilizing the standard library distributed with Python.

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# CIS 120 - Network Integration and Management

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**Credits:** 3

**Prerequisites:** [CIS 113](#)

3 Lecture Hours

## **Description**

This course introduces students to computer networking fundamentals. Topics include: network design, network hardware, network operating systems software, data communications, configuration and installation, internetworking, and troubleshooting basic network problems. Using a Microsoft Windows Server-based LAN environment, students practice network administration concepts and activities.

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# CIS 185 - Introduction to Network Security

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**Credits:** 3

**Prerequisites:** [CIS 113](#)

3 Lecture Hours

## **Description**

This course highlights the models and protocols essential to securing wired and wireless networks. Students also learn to capture and analyze network traffic, identify network security threats, and apply and evaluate network security controls.

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# CIS 215 - Database Design and Application Development

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**Credits:** 3

**Prerequisites:** [CIS 113](#)

3 Lecture Hours

## **Description**

This course provides students with a foundation of knowledge needed to work with database management systems and to create applications utilizing current development strategies. Students examine various

types of database techniques with emphasis on relational designs. Students design and implement solutions to business-related problems.

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# CIS 220 - Systems Development

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**Credits: 3**

Prerequisites: **CIS 113**

3 Lecture Hours

## **Description**

In this course, students utilize a system development methodology through team-based projects that demonstrate their Information Technology skills. The focus of the course includes the Systems Development Life Cycle (SDLC) phases, user system requirements, logical and physical design, test and implementation planning, performance evaluation, software package evaluation and acquisition, prototyping, structured and object-oriented methodologies, development and adherence to the system life cycle standards and designing interfaces and dialogues. This course encourages interpersonal skill development with clients, users, team members and others associated with development, operation and maintenance of the system.

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# CIS 250 - Internet/Intranet Networking

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**Credits: 3**

Prerequisites: **CIS 113**

3 Lecture Hours

## **Description**

This course introduces students to the essential concepts and technical skills necessary to establish an Internet or Intranet within an enterprise, and the use of TCP/IP as a routable network protocol. Windows Server is used as a vehicle for both discussion and related lab activities. Topics include planning and installation, diverse client support, multiple protocol support, domain management, Novell and Macintosh connectivity, Remote Access Server, Active Directory Services and troubleshooting. Detailed coverage is also provided on TCP/IP issues such as IP addressing, bridging and routing, DHCP and naming services.

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# ECO 101 - Macroeconomics

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**Credits: 3**

3 Lecture Hours

## **Description**

This course is an introduction to the economic activity of the nation, introducing basic concepts and institutions. The emphasis is on aggregate income and spending, the government fiscal and monetary policy, national income accounting, economic growth and comparative economic systems.

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# ECO 102 - Microeconomics

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**Credits: 3**

3 Lecture Hours

## **Description**

This course is an introduction to the activities of individual economic units, such as industries, companies, households and consumers. The course emphasis is on markets, the price system and the allocation of resources as they affect the consumer, the producer and the economy.

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# ELL 090 - Communication in English for English Language Learners

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**Credits: 3**

3 Lecture Hours

## **Description**

This course is for multilingual and emerging bilingual students of English who want to increase the efficiency of their communication skills. While focus is on oral communication, students will also obtain experience in listening and note taking skills.

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# ELL 100 - Writing for English Language Learners

**Credits: 3**  
3 Lecture Hours

**Description**

This course is for multilingual and emerging bilingual students of English with little experience writing in English for academic purposes, especially in the United States. Special attention is given to the skills necessary for developing rhetorical attunement to specific genres of writing, as well as planning, drafting, revising and proofreading.

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# ENG 090 - Fundamentals of College Writing

**Credits: 3**  
3 Lecture Hours

**Description**

English 090 develops written communication skills, beginning with the ability to detect, diagnose, and correct error patterns in focused writings. Students practice sentence mechanics in the context of their own writing, while learning to develop paragraphs and short essays that clarify and support a point of view in preparation for college-level writing.

Students then progress to planning, drafting, revising, and editing of short essays, some of which will be reading-based.

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# ENG 101 - English Composition 1

**Credits: 3**

Prerequisites: Eligibility for enrollment as specified by College Assessment and Placement Program  
3 Lecture Hours

**Description**

This course introduces students to college-level, academic writing. Emphasis is placed on critical analysis, argumentation, intellectual honesty and revision. Through the writing process, students will refine arguments; develop and support ideas; investigate, evaluate, and integrate appropriate sources; revise and edit for effective style and usages; and develop an awareness of the variety of contexts, audiences, and purposes of academic writing. Students produce five to seven reading-based, multi-paragraphed argumentative essays of increasing difficulty, totaling 15-20 pages for the semester.

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## ENG 102 - English Composition 2

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**Credits: 3**

Prerequisites: **ENG 101**

3 Lecture Hours

**Description**

This course develops information literacy skills, with a focus on research-based writing. Building on English 101, this course emphasizes critical and ethical analysis of popular and scholarly writing, in addition to inquiry-based research. Students develop other crucial research skills, particularly: using technology to conduct primary and secondary research, systematic evaluation, synthesis and documentation of sources, and critical thinking about the social, intellectual, and cultural frameworks through which evidence and conclusions are presented. Students produce multiple research-based writing assignments totaling 15 to 20 pages.

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## ENG 110 - Oral Communication

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**Credits: 3**

Prerequisites: Eligibility for enrollment into **ENG 101**

3 Lecture Hours

**Description**

A human performance course designed to improve oral communication skills in public speaking, group process, and interpersonal situations. Communication theory will be presented and practice will be provided with audience/situation analysis, organizational strategies, critical listening and thinking, and use of ethical principles and evidence in the preparation and delivery of informative and persuasive speeches, participation in decision-making groups, and analysis of interpersonal relationships. The

incorporation of research from credible sources into all communication contexts, with a specific emphasis on public communication, will be emphasized.

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## ENG 201 - Poetry

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**Credits: 3**

Prerequisites: **ENG 102**

3 Lecture Hours

### **Description**

This is a course in the study of poems of various periods and types. Emphasis is on the meaning of individual poems and the interplay of sensory images. The course will examine how social and philosophical culture dictate how poetry is written and establish what qualities make great poetry.

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## ENG 207 - Survey of Literature

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**Credits: 3**

Prerequisites: **ENG 101**

3 Lecture Hours

### **Description**

Explores literature in a variety of genres such as short fiction, poetry, and drama. The focus of this course is on the elements of the literature studied, including character, style, structure, form, tone, and theme. The historical and cultural context of the works studied, including history, geography, culture, race, gender, class, ethnicity, and religion are also considered. Literature studied in this course is drawn from various literary periods as well as from a range writer, including American, British, western European, and world literary figures.

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## FYE 101 - First Year Experience

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**Credits: 3**

3 Lecture Hours

### **Description**

This course introduces first-year students to ideas and strategies required for college-level academic inquiry and college success, including critical thinking, communication, cultural competence, problem-solving, data interpretation, and institutional knowledge. Students develop college preparedness skills such as time management, note taking, study methods, test taking, information literacy, and an understanding of academic integrity. Students apply critical thinking and communication skills to areas such as cultural diversity, media literacy and financial literacy and gain an understanding of campus and community resources. Students create an appropriate academic plan, financial plan, and career/transfer plan in the course of the semester.

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## **GLG 220 - Environmental Geology with Lab**

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**Credits: 4**

Prerequisites: **MAT 111**

3 Lecture Hours 2 Lab Hours

### **Description**

Environmental Geology is an examination of geologic processes which have impact upon humans and of the impact humans have upon those processes. Topics such as coastal erosion, flooding, earthquakes, radon, greenhouse effect, water quality, and waste disposal will be investigated. Environmental Geology should be considered by the following students: those needing a lab-science elective, those preparing for a career as an environmental technician, and those considering a Geology major seeking a geology elective. Class time and optional field trips aligned with the course topics will be taken. This course is subject to a course fee.

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## **HIS 122 - Modern History**

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**Credits: 3**

3 Lecture Hours

### **Description**

In this course, students examine the recent past to understand the roots of contemporary phenomena such as the nation-state, international law, social movements, and global networks of trade and technology.

Students identify and interpret archival materials and primary sources, with a focus on themes, patterns, processes, and events from the sixteenth century onward.

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## **MAT 102 - Mathematical Concepts**

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**Credits: 3**

Prerequisites: Eligibility for enrollment as specified by College Assessment and Placement Program  
3 Lecture Hours

### **Description**

A course in contemporary mathematics for liberal arts and other students not majoring in business or the sciences. Topics include basic mathematical concepts: problem solving and critical thinking, sets, elementary logic, numeration systems, elementary geometry, counting techniques, and elementary probability and statistics. Topics are selected at the discretion of the Mathematics Department.

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## **MAT 111 - College Algebra**

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**Credits: 3**

Prerequisites: Eligibility for enrollment as specified by College Assessment and Placement Program  
3 Lecture Hours

### **Description**

This is a course in College Algebra for students not intending to take Calculus. Topics include equations and inequalities, polynomial and rational functions and their graphs, equations and graphs of conic sections, the theory of equations and systems of equations.

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## **MAT 202 - Introduction to Statistics**

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**Credits: 3**

3 Lecture Hours

### **Description**

Focuses on the mathematical skills needed by students enrolled in technical, business, and liberal arts curricula. This course covers describing and summarizing single and bi-variate data, both graphically and numerically. Also, discrete and continuous probability distributions are covered. In addition, parametric estimation and tests of significance are studied.

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# MUS 101 - Introduction to Music

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**Credits: 3**

3 Lecture Hours

## **Description**

This course surveys the form, style and basic structure of art, world and popular music. It is designed to enhance students' appreciation and understanding of music by focusing on influential composers and their compositions. Lectures highlight the characteristics, history and performance practice of many genres of music.

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# MUS 114 - World Music

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**Credits: 3**

Prerequisites: **ENG 101**

3 Lecture Hours

## **Description**

Introduction to World Music Cultures is an entry-level course in the study of World Music. These musical traditions will be explored both on the basis of their intrinsic characteristics, as well as in connection with their social, economic, and political contexts. Students will also be introduced to the discipline of Ethnomusicology. As a term project, each student will be required to visit and document a local music culture selected by the student and approved by the instructor.

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# PHL 101 - Introduction to Philosophy

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**Credits: 3**

3 Lecture Hours

## **Description**

This course is a study of basic philosophical problems including: the existence of God, the immortality of the soul, knowledge, the mind-body problem, ethics in society, subjectivism, objectivism and pragmatism, political problems arising from philosophical ideas and the theory of beauty.

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## **PHL 111 - Religions of the World**

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**Credits: 3**

3 Lecture Hours

### **Description**

This course is a description of the origins, development and manifestations of major world religions. Students explore how people of different faiths practice and express their beliefs. Similarities and differences of different faiths are emphasized.

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## **POL 112 - Introduction to International Relations**

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**Credits: 3**

3 Lecture Hours

### **Description**

The course will cover the theories of international relations (IR) and apply them to the broader context of global politics. Students will learn key concepts and ideologies. They will make comparative analyses of the types of political systems and ideologies found in both the developed and developing countries and identify patterns of political behavior. These patterns can then be linked to theories, concepts and ideologies that have been studied. The contents of this course will be placed in historical and socio-cultural contexts.

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## **POL 203 - Survey of American Politics**

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**Credits: 3**

3 Lecture Hours

### **Description**

This course investigates the development and evolution of the American political system. Students will be introduced to the unique structure, functions, and problems of the national government within the federal system. Close attention is given to the nature of and the controversies emerging from the interaction between political institutions. This includes analysis of the following concepts and topics: federalism, separation of power, check and balances, Bill of Rights, democracy, civil liberties, civil rights and political parties.

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# PSY 101 - Introduction to Psychology

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**Credits: 3**  
3 Lecture Hours

## **Description**

This course provides the student with an understanding of how the scientific method is applied to the study of human and animal behavior. Topics include: research results, the major principles and perspectives of psychology, applications of contemporary psychology, the structure and function of the nervous system, foundations of learning, intelligence, social behavior, personality, feeling and emotion, motivation, abnormal psychology and its causes and therapies, developmental patterns and the measurement of behavior.

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# SOC 101 - Introduction to Sociology

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**Credits: 3**  
3 Lecture Hours

## **Description**

An introduction to the science of sociology, including a discussion of sociological theory and method, social structure, culture, and socialization. Also emphasized are social stratification, race, ethnicity, and gender. Social institutions and their change dynamics are examined.

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# SOC 211 - Racial and Ethnic Minorities

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**Credits: 3**

**Prerequisite: ENG 101**

3 Lecture Hours

**Description**

This course will investigate the construction of the social categories of race and ethnicity. Discussion will revolve around the history, process and effects of these constructions. A major focus will be on interracial and interethnic relations in the United States.

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