V. 10 Axia College Course Descriptions

Information Technology

IT 105 Skills for Learning in an Information Age - ‘B’ Courses Calendar
This course introduces students to learning in an information-rich society. Students will develop strategies for successful
distance learning, time management, and managing the abundance of information available in today’s society. Students
will also explore the appropriate use of information in an academic environment. (3 credits) Required course.

Communication Arts

COM 120 Effective Persuasive Writing Effective - ‘A’ Courses Calendar
Persuasive Writing focuses on developing the writing skills of entry-level college students. This 9-week course emphasizes
the use of Standard English grammar and mechanics, correct spelling, and basic documentation skills as well as
coherence and correctness in written communication. COM 120 students will examine the characteristics of the persuasive
essay and utilize the steps in the writing process to create an effective persuasive essay. (3 credits) Required course.

COM 125 Utilizing Information in College Writing - ‘A’ Courses Calendar
This course continues to build writing skills as students explore the strategies for organizing, writing and documenting a
research paper in a specified style. (3 credits) Prerequisites: COM 120 and IT 105

COM 215 Written Communication - ‘A’ Courses Calendar
Internal and external business communications using nonverbal techniques are addressed in this course. Major topics are
how to effectively write job related communiqués such as letters, memos, résumés, bids and proposals. (3 credits)
Prerequisites: COM 120, COM 125, IT 105, and CRT 205

Sciences

SCI 275 Environmental Science - ‘A’ Courses Calendar
Providing a general overview of scientific knowledge, this course examines the current and future issues of the global
environment from the scientific, social, business and individual perspectives. (3 credits) Prerequisite: Foundation Courses

SCI 245 Geology - ‘B’ Courses Calendar
Two billion years of earth history are explored, covering rocks and minerals, weathering and erosion, stratigraphic
principles, the geologic time scale, geologic structures, plate tectonics, mountain building, volcanism, landforms and
economic geology. (3 credits) Prerequisite: Foundation Course

SCI 230 Introduction to Life Sciences – ‘B’ Courses Calendar
This course introduces the student to scientific ideologies and concepts that not only shape our biological world, but also
shape us as humans. Through a variety of comprehensive assessments and relevant discussions, students examine the
scientific method, the dynamics of inheritance, and the affect humans have on the environment. Topics include the biology
of cells, energy systems, and evolution. (3 credits) Prerequisite: Foundation Course

SCI 241 The Science of Nutrition - ‘B’ Courses Calendar
This course introduces students to the world of human nutrition. Students examine the components included in a healthy,
balanced diet, and develop strategies to meet their changing nutritional needs throughout the various stages of life.
Specific topics for the course include: the digestion process, functions and health benefits of specific nutrients, weight
management and fitness, and the effects of nutritional deficiencies. (3 credits) Prerequisite: Foundation Course
SOC 120 Introduction to Sociology – ‘A’ Courses Calendar
This course is a foundation for studies of sociology. In this course, students gain an understanding of the sociological perspective, theories, and research methods. Students also explore culture, race, ethnicity, socialization, social interaction, deviance, social control, groups, organizations, social and gender stratification, population, and social change. Prerequisite: Foundation Courses

BEH 225 Introduction to Behavioral Science - ‘A’ Courses Calendar
This course focuses on human personality, motivation, learning, and cognition. The theories and insights of major figures in psychology are discussed. Neuroscience, psychological disorders, and therapies are also considered in relation to human behavior. (3 credits) Prerequisite: Foundation Courses

ETH 125 Cultural Diversity - ‘B’ Courses Calendar
This course is designed to educate students about issues of diversity, including, but not limited to, race/ethnicity, gender, sexual orientation, age, disability, and class, and to provide the tools necessary to promote a more respectful and inclusive society. (3 credits) Prerequisite: Foundation Courses

INS 205 Introduction to World Cultures & Social Environments - ‘B’ Courses Calendar
The course uses comparative and historical methods to focus on how the religious, philosophical, historical and cultural aspects of various civilizations impact modern problems, processes and outcomes. Students will examine the impact of colonialism and the modern state, building on the cultures and societies of the area. Focus is placed on the cultures of the Pacific Rim, Latin America, and Europe. (3 credits) Prerequisite: Foundation Courses

HIS 135 The American Experience Since 1945 - ‘B’ Courses Calendar
This course is an overview of the principal social, political, economic, and global events which have shaped the American experience since World War II. Understanding modern American history is a necessity in today's ever-changing world. This course aims to supply the tools for understanding current political, social, cultural, and economic problems in the U.S. by applying historical perspective to analyze contemporary issues. (3 credits) Prerequisite: Foundation Courses

Humanities

CRT 205 Critical Thinking - ‘B’ Courses Calendar
This course is designed to help students develop the ability to think both clearly and critically. Emphasis is placed on recognizing fallacious reasoning; unclear or misleading language including sexism and connotative terms; and manipulative techniques used in various forms of communication. (3 credits) Prerequisites: IT 105 and COM 120

HUM 130 Religions of the World - ‘B’ Courses Calendar
A comparative study of major religions of the world and their impact on the cultures in which they are prevalent. This course reviews tenets of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism and Taoism. (3 credits) Prerequisite: Foundation Courses

HUM 205 World Culture and the Arts - ‘B’ Courses Calendar
Culture and the arts play a complex role in enriching the human experience. Universal human themes and values in art and the power and influence of the arts are examined by analyzing art forms from great world literature to popular contemporary alternative media. (3 credits) Prerequisite: Foundation Courses

PHI 105 Introduction to Philosophy - ‘B’ Courses Calendar
Philosophical thinking and reasoning are introduced by examining the basic questions of life: knowledge, values, ethics, society and the nature of reality. Exploring the meaning of life and helping the students develop a unique philosophy of life statement are integral parts of this course. (3 credits) Prerequisite: Foundation Courses

LIT 210 World Literature - ‘B’ Courses Calendar
This course covers prose and poetry by major world authors. Readings are chosen to enhance appreciation of literature and to prompt students to explore universal themes and values as well as the creative literary techniques that appear in great works. (3 credits) Prerequisite: Foundation Courses
Mathematics

MAT 115 Basic Mathematics - ‘A’ Courses Calendar
This course focuses on foundational understanding of basic mathematics principles including arithmetic, decimals, fractions, percentages, linear equations with one and two variables, simple geometry and concepts of algebra. This course is not available to students who have already completed MAT116. (3 credits) Prerequisite: Foundation Courses

MAT 116 Algebra IA - ‘A’ Courses Calendar
With special focus on the application of algebraic principles to business and industry, MAT 116 begins study of the basic concepts of algebra, including variable expressions, operations on polynomials, graphing linear equations, inequalities, factoring, exponents, radicals and quadratic equations. (3 credits) Prerequisite: Foundation Courses

MAT 117 Algebra IB - ‘A’ Courses Calendar
MAT117 continues study of the basic concepts of algebra, including variable expressions, operations on polynomials, graphing linear equations, inequalities, factoring, exponents, radicals and quadratic equations. (3 credits) Prerequisite: Foundation Courses and MAT 116

MAT 205 Finite Math - ‘A’ Courses Calendar
This course introduces the concepts of finite mathematics with a focus on real world application. Students will explore linear functions and equations, linear programming, the use and application of matrices. Mathematical applications of finance, statistics, and probability are also reviewed.

Other Electives

FIN 215 – Financial Management - ‘B’ Courses Calendar
This course introduces the student to all aspects of the finance industry through analysis of industry, corporate and government information. Major areas covered include asset management, financial analysis, sources and uses of funds, capital budgeting, cost of capital, multinational finance and financial planning. (3 credits) Prerequisite: Foundation Courses

HRM 240 – Human Resources Management - ‘B’ Courses Calendar
This course provides a general overview of key employment practices necessary to effectively manage human resources within an organization. The major human resource functions of planning, recruiting, selecting, training and appraising will be emphasized. Other topics will include company policies and procedures, federal and state regulation compliance, rights and responsibilities of employers and employees, and trends of the next decade. (3 Credits) Prerequisite: Foundation Courses
Associate of Arts in Business Core

AAB Degree Requirements
• General Education Core Requirements - 48 credits
• Business Core Requirements - 12 credits

Additional Requirements:
• A minimum of 12 credits must be earned in residence at Axia College.
• Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125
• Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.
• 9 of the required 12 credits in the Business Core, must include INB 205, ECO 205, and IT 205.
• Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course-work at Axia College.

*IT 205 Management Information Systems – ‘A’ Courses Calendar

This course provides an introduction to the use and application of information systems technology in the business environment. Concepts include the components of M.I.S., the systems development process, and the uses of the basic types of information systems in support of the organization’s goals and objectives. Topics discussed include basic hardware and software concepts, telecommunications, business processes, strategy, databases, artificial intelligence, ethics, legal issues, and electronic commerce using the Internet. (3 credits) Prerequisite: Foundation Courses

*INB 205 International Business - ‘A’ Courses Calendar

Environmental constraints on doing business abroad, effects of overseas business investments on domestic and foreign economies, foreign markets analysis, operational strategy of a firm, and management problems of international operations are the major topics covered in this survey course in international business. (3 credits)
Prerequisite: Foundation Courses and IT 205

*ECO 205 Economic Theory - ‘A’ Courses Calendar

This course introduces fundamental economic theory in both microeconomics and macroeconomics. Economic principles are studied and their application and impacts on all aspects of economic life are analyzed and discussed. Topics covered include supply, demand, consumption, production, investment, money, inflation, interest rates, unemployment and economic growth. (3 credits) Prerequisite: Foundation Courses and IT 205

MGT 245 Organization Theory and Behavior - ‘A’ Courses Calendar

Realistic case studies, group exercises and self-assessment illustrate the integration of the principles, philosophies and theories of management/leadership and organizational behavior as used in public and private organizations. Some of the topics included are: evolving management thought, functions and practices, management approaches, general management systems theory, contingency management and process analysis. (3 credits) Prerequisite: Foundation Courses

MGT 255 Political, Legal and Ethical Issues in Business – ‘A’ Courses Calendar

How the management of business, including its structure, personnel, activities and concerns is impacted by government policies and regulations. Specifically, this course addresses the legal environment within which all businesses must operate, ethical considerations for businesses and the interrelation of the two. (3 credits) Prerequisite: Foundation Courses

**Required Courses for the Business Core: Students must take IT 205, INB 205, and ECO 205. Then they choose one of the following: MGT 255 or MGT 245. Please note that IT 205 is a pre-req to INB 205 and ECO 205.
Associates of Arts Criminal Justice Core

AACJ Degree Requirements
• General Education Core Requirements - 42 credits
• Criminal Justice Core Requirements - 18 credits

Additional Requirements:
• A minimum of 18 credits must be earned in residence at Axia College.
• Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125
• Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.
• Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course work at Axia College.

ADJ 215 Criminology - ‘A’ Courses Calendar
This course highlights the causes of criminal behavior, the role of society in defining behavior, societal reaction to crime and criminological methods of inquiry. It covers theories of criminality and the economic, social, and psychological impact of crime. (3 credits) Prerequisite: Foundation Courses

ADJ 225 Juvenile Justice Procedures - ‘A’ Courses Calendar
This course will explore how society responds to juvenile crime—the programs and processes that exist in the juvenile justice system, the roles of the police, courts and corrections, and prevention efforts through schools and community based systems. Additionally, an understanding of the historical roots of juvenile justice and its evolution to present-day practice will be developed. (3 credits) Prerequisite: Foundation Courses

ADJ 235 Ethics and Administration of Justice - ‘A’ Courses Calendar
This course explores the standards, codes, roles, ethic, and responsibilities of professional organizations and agencies in the criminal justice system. It covers ethics, concepts, and practices as they relate to the administration of justice. (3 credits) Prerequisite: Foundation Courses

ADJ 255 Contemporary Issues in Criminal Justice - ‘B’ Courses Calendar
This course examines contemporary issues in crime, social policy, family violence, and workplace and school violence. It covers recent studies and breaking news related to cyber-crime, terrorism, gun control legislation, and criminology techniques. (3 credits) Prerequisite: Foundation Courses

ADJ 265 Interpersonal Communications in Criminal Justice - ‘B’ Courses Calendar
This class studies effective communication techniques in the written and verbal arenas. It covers best practices in investigative reporting, written reports and memos, and communications approaches with victims, suspects, and civilians. (3 credits) Prerequisite: Foundation Courses

ADJ 275 Criminal Procedures - ‘A’ Courses Calendar
This course focuses on the law and practice of procedural concepts within the criminal justice process. Through interactive case studies, relevant discussions, and comprehensive assessments, students will learn to apply legal concepts to real-life situations. Students will not only recognize significant court decisions that shaped these legal concepts and their application in everyday life, but will also engage in debates designed to further the student's understanding of how these concepts play an integral role in the pursuit of a fair and balanced justice system. In particular, students will use these various procedural concepts to determine the comprehensive outcome of a specific fact-pattern scenario. (3 credits) Prerequisite: Foundation Courses
Associate of Arts in Health Administration Core

AAHA Degree Requirements
- General Education Core Requirements - 42 credits
- Health Administration Core Requirements - 18 credits

Additional Requirements:
- A minimum of 18 credits must be earned in residence at Axia College.
- Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125
- Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.
- Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course-work at Axia College.

HHS 205 The Human Service Administrator - ‘A’ Courses Calendar
This course discusses the roles and responsibilities of administrators in health and human services organizations. It covers recent studies related to changing contexts of human services delivery, leadership, organizational culture, human resource management, financial management, strategic planning, working with boards, marketing and public relations, social entrepreneurship, partnership, and collaboration. (3 credits) Prerequisite: Foundation Courses

HHS 225 Health and Human Service in the U.S. - ‘A’ Courses Calendar
This course provides an overview of American health and human service systems, including history, structure, and federal and private organizations. It covers the political climate, regulations, managed care, technology, and inequality of access. (3 credits) Prerequisite: Foundation Courses

HHS 235 Legal and Ethical Issues in Health and Human Services - ‘B’ Courses Calendar
This course explores the history and development of professional ethics and standards as well as analyzes current ethical and legal controversies in human services. It covers personal ethics related to healthcare issues as they coincide with public laws. Students will use case studies to address conflicts and controversies in dealing with client rights, organizational policies, and legal requirements. (3 credits) Prerequisite: Foundation Courses

HHS 245 Public Policy Development in Health and Human Services - ‘A’ Courses Calendar
This course focuses on the formation and execution of public policy in local, state, and federal government. It covers theoretical and comparative studies of public policy with case studies of specific issues in health and human services policies. Students will explore different approaches for accessing government and provider agencies and for implementing effective mechanisms to influence public policy. (3 credits) Prerequisite: Foundation Courses

HHS 255 Technology in Human Services - ‘B’ Courses Calendar
This course surveys the use of technology in human services. It covers how technology is affecting the delivery of human services and the use of technology in service delivery. Students will examine the ways in which information systems impact agency and administrative systems. (3 credits) Prerequisite: Foundation Courses

HHS 265 The Financing of Healthcare and Human Services - ‘A’ Courses Calendar
This course highlights the economics of healthcare. It covers issues such as the cost effectiveness of prevention, the management of patients and their diseases, various payers, including private, state, and federal entities, as well as the cost of treatment settings. Students will study third-party reimbursements for various sources, ranging from for profit insurance carriers to charitable donations. (3 credits) Prerequisite: Foundation Courses
Associate of Arts in Accounting Core

AAACC Degree Requirements

- General Education Core Requirements - 42 credits
- Accounting Core Requirements - 18 credits

Additional Requirements:
- A minimum of 18 credits must be earned in residence at Axia College.
- Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125
- Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.
- Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course-work at Axia College.

ACC 225 Financial Accounting - ‘A’ Courses Calendar

This course focuses on the fundamentals of financial accounting. Students will complete the course with a thorough knowledge of the construction of financial statements, an understanding of ledgers, journals, and worksheets, and the ability to analyze financial statements, including annual reports. Aspects of inventory, merchandising accounting, and internal controls are also covered. (3 credits) Prerequisite: Foundation Courses

ACC 226 Managerial Accounting - ‘A’ Courses Calendar

This course provides an introduction to managerial accounting and covers various fundamental concepts relating to the accounting environment. Topics include: cost concepts and allocation, short-term and long-term financial assets, current and long-term liabilities, contributed capital, stock holder equity, and the analysis of financial statements. (3 credits) Prerequisite: ACC 225

ACC 227 Cost Accounting - ‘A’ Courses Calendar

This course reviews planning and control functions of a cost accounting system, e.g. cost data accumulation methods, responsibility accounting and reporting, and planning and control of manufacturing costs and profits. Different cost systems are studied as well as pricing philosophies related to performance measurement. (3 credits) Prerequisites: ACC 225 and 226

ECO 205 Economic Theory - ‘A Courses Calendar

This course will introduce the fundamental theories of microeconomics and macroeconomics. The economic principles studied in this course will be applied to everyday life as students research an industry, debate issues with trade agreements, discuss the effects of a shift in labor supply and demand, and discuss the strengths and weaknesses of the Consumer Price Index calculation. In particular, learners will research an industry affected by the economy and will perform an economic analysis of this chosen industry. (3 credits) Prerequisite: Foundation Courses

MGT 210 Supervision and Leadership - ‘B’ Courses Calendar

This course addresses the difference between management and transformational leadership. Students will engage in a self-awareness analysis to determine how best to identify and implement their leadership strengths and to overcome their challenges. Major topical areas include the supervisor’s role in an organization, effective leadership skills, problem-solving applications, effective motivation techniques, successful communication concepts, and methods for achieving maximum employee performance. (3 credits) Prerequisite: Foundation Courses

MGT 245 Organization Theory and Behavior - ‘A Courses Calendar

This course in Organizational Behavior uses realistic case studies, collaborative learning activities, and practical exercises to impart organizational behavior principles and theory. Students will apply management and leadership techniques garnered from successful business organizations to understand and practice management functions, including: understanding employee behavior and motivation, assessing performance, employing groups and teams, operationalizing communication, evaluating conflict, and making appropriate business decisions. (3 credits) Prerequisite: Foundation Courses
Associate of Arts Information Technology Core

AAIT Degree Requirements
• General Education Core Requirements - 42 credits
• Information Technology Core Requirements - 18 credits

Additional Requirements:
• A minimum of 18 credits must be earned in residence at Axia College.
Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125
• Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.
• Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course-work at Axia College.

IT 205 Management Information Systems - ‘A’ Courses Calendar
This course provides an introduction to the use and application of information systems technology in the business environment. Concepts include the components of Management Information Systems, the systems development process, and the uses of the basic types of information systems in support of the organization’s goals and objectives. Topics discussed include basic hardware and software concepts, telecommunications, business processes, planning strategies, databases, artificial intelligence, ethics, legal issues, and electronic commerce using the Internet. (3 credits) Prerequisite: Foundation Courses

IT 210 Fundamentals of Programming with Algorithms and Logic - ‘A’ Courses Calendar
This course provides students with a basic understanding of programming practices. Concepts covered include flow-charting, pseudocode methodologies, and an understanding of programming practices. Students will learn how these concepts-when properly applied-improve program design. (3 credits) Prerequisite: IT 205

IT 215 JAVA Programming - ‘A’ Courses Calendar
JAVA has rapidly become the language of choice for platform-independent implementations. This course provides a general introduction to programming and object-oriented programming in particular. The syntax and semantics of the JAVA language are addressed, as well as related topics which include object-oriented programming concepts, terminology, and notation. (3 credits) Prerequisite: IT 205, IT 210

IT 220 Internet Concepts - ‘A’ Courses Calendar
This course is an introduction to the Internet and addresses issues ranging from terminology to web development tools. The concepts behind the development of the Web, its history and impact on global commerce and culture are examined. Technical topics will include how it works, TCP/IP, HTML, and JavaScript. (3 credits) Prerequisite: IT 205

IT 221 Analysis & Design of Information Systems - ‘A’ Courses Calendar
This course explores methodologies for determining what data to collect and what software to use/develop to provide appropriate information for decision-making. The major techniques covered are: system analysis, systems design, systems programming, systems implementation, and systems audit. (3 credits) Prerequisite: IT 205

IT 230 Computer Networking - ‘A’ Courses Calendar
Designed to introduce information technology networking, this course takes a functional approach focusing on functional details rather than broad-based theory. An extensive coverage of today’s most common networking schemas gives students a real world grounding in the subject and a current understanding of industry practices. (3 credits) Prerequisite: IT 205
Associate of Arts Information Technology/Visual Communications Core

AAIT/VC Degree Requirements

• General Education Core Requirements - 42 credits
• Information Technology/Visual Communications Core Requirements - 18 credits

Additional Requirements:

• A minimum of 18 credits must be earned in residence at Axia College.
• Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125
• Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.
• Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course-work at Axia College.

IT 205 Management Information Systems - ‘A’ Courses Calendar

This course provides an introduction to the use and application of information systems technology in the business environment. Concepts include the components of Management Information Systems, the systems development process, and the uses of the basic types of information systems in support of the organization’s goals and objectives. Topics discussed include basic hardware and software concepts, telecommunications, business processes, planning strategies, databases, artificial intelligence, ethics, legal issues, and electronic commerce using the Internet. (3 credits) Prerequisite: Foundation Courses

IT 220 Internet Concepts - ‘A’ Courses Calendar

This course is an introduction to the Internet and addresses issues ranging from terminology to web development tools. The concepts behind the development of the Web, its history and impact on global commerce and culture are examined. Technical topics will include how it works, TCP/IP, HTML, and JavaScript. (3 credits) Prerequisite: IT 205

IT 221 Analysis & Design of Information Systems - ‘A’ Courses Calendar

This course explores methodologies for determining what data to collect and what software to use/develop to provide appropriate information for decision-making. The major techniques covered are: system analysis, systems design, systems programming, systems implementation, and systems audit. (3 credits) Prerequisite: IT 220

IT 235 Image Editing and Implementation - ‘A’ Courses Calendar

Design elements such as basic composition, style, use of color, textures, graphic manipulation, photographic re-touching and text/font design are introduced. File formats, sizing and packaging for export are covered in this class. Concepts such as pre-press production and printing are introduced. Imaging program, Adobe Photoshop® Elements 3.0 is required for this class. (3 credits) Prerequisite: IT 221

IT 236 Intro to Web Design I - ‘A’ Courses Calendar

Intro to Web Design I combines the study of foundational Web design principles with the practice of Web page construction to create business and e-business Web sites. Students conceptualize, design, and refine a Web site while satisfying class assignment and final project requirements. Students explore best practices for creating quality Web page layouts, navigation, appearance, functionality, and multimedia. Used to create basic designs are Adobe Photoshop® Elements, and the Macromedia® Studio MX 2004 software package which includes Macromedia® Dreamweaver® and Macromedia® Flash®. (3 credits) Prerequisite: IT 235

IT 237 Intro to Web Design II - ‘A’ Courses Calendar

This course focuses on the creation of robust, well-formatted, esthetically pleasing, text-based Web pages. Students create Web pages using Hypertext Markup Language (HTML), and discussion centers on how to publish completed pages and advertise those pages on the Web. (3 credits) Prerequisite: IT 236
Associate of Arts Information Technology/Networking Core

AAIT/N Degree Requirements

• General Education Core Requirements - 42 credits
• Information Technology/Networking Core Requirements - 18 credits

Additional Requirements:

• A minimum of 18 credits must be earned in residence at Axia College.

Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125

• Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.

• Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course-work at Axia College.

IT 205N Management Information Systems - ‘A’ Courses Calendar

This course provides an introduction to the use and application of information systems technology in the business environment. Concepts include the components of Management Information Systems, the systems development process, and the uses of the basic types of information systems in support of the organization’s goals and objectives. Topics discussed include basic hardware and software concepts, telecommunications, business processes, planning strategies, databases, artificial intelligence, ethics, legal issues, and electronic commerce using the Internet. (3 credits) Prerequisite: Foundation Courses

IT 221N Analysis & Design of Information Systems - ‘A’ Courses Calendar

This course explores area of project analysis, design and project management. Foundational coverage is provided covering the background, rationale and process of disciplined project planning and management using the Systems Development Lifecycle (SDLC) methodology. Students will be familiarized with conducting user interviews, developing key project plans and reports. Business elements such as role of project members, scope creation documentation, project scheduling, staffing, budgeting, logistical and political considerations to project planning and implementation are covered. Project plans will be developed employing concepts of the SDLC via written project plan documents and project reports, as well as a project plans created using Microsoft Project. Microsoft Project is required for this course. (3 credits) Prerequisite: IT 205N

IT 240 – LAN Technologies - ‘A’ Courses Calendar

This foundational course covers local area network (LAN) topics including rationale for networking, Open Systems Interconnection (OSI) models, common network topologies and architecture, client/server concepts, basic hardware devices and usage, basic networking security concepts. (3 credits) Prerequisites: IT 205N, IT 221N

IT 241 – W- LAN/WiFi Technologies- ‘B’ Courses Calendar

Concepts of wireless networking systems include wireless networking topologies, hardware protocols, hardware selection and implementation, interfaces with MAN, LAN and WAN networks, basic wireless security and integration concepts. (3 credits) Prerequisites: IT 205N, IT 221N

IT 242 – WAN Technologies - ‘A’ Courses Calendar

This course covers Wide Area Networking/Enterprise networking concepts and its interface with metropolitan area networks (MAN) and local area networks (LAN). The course will cover telecommunication technologies, backbone technologies, hardware device protocol, hardware selection and usage, and basic WAN security considerations and planning. (3 credits) Prerequisites: IT 221N, IT 240, IT 241

IT 244 – IT Security - ‘B’ Courses Calendar

Concepts of General IT security and its rationale will be introduced. Content includes governmental views, positions and processes of national security. Other concepts include contingency planning and business resumption planning, backup schemes and implementation strategies, as well as an introduction to various types of invasive actions and prevention measures. (3 credits) Prerequisite: IT 221N, IT 240, IT 241
AAPE Degree Requirements

- General Education Core Requirements - 45 credits
- Paraprofessional Education Core Requirements - 15 credits

Additional Requirements:

- A minimum of 15 credits must be earned in residence at Axia College.
- Students who matriculate with less than 24 credits are required to complete, without exception, the following “Foundation Courses”: IT 105, COM 120, COM 125, COM 215, CRT 205, and ETH125
- Students who matriculate with 24 credits or more are required to complete, without exception, the following “Foundation Courses”: IT 105 and COM 120.
- Students must maintain a minimum cumulative grade point average of 2.0 (C) or higher for all course-work at Axia College.

AED 200 Contemporary Issues in American Education - ‘A’ Courses Calendar

AED 200 provides an overview of the teaching profession and introduces students to the various issues affecting teachers today. The course focuses on contemporary issues teachers and educators face in today’s schools. Throughout the course, all aspects of the teaching profession are incorporated—diversity of students in the classroom, school organization and governance, and teaching philosophies and instruction. By the final week, students will have built a foundation for understanding the education profession. (3 credits) Prerequisite: Foundation Courses

AED 201 Teaching as a Profession - ‘A’ Courses Calendar

AED 201 introduces the common issues educational professionals face in their field. In addition to discussing the professional foundations of teaching, students examine and discuss issues related to the needs, rights, and responsibilities of diverse learners in a changing society. This course also addresses governance and legal issues in the educational system. (3 credits) Prerequisite: AED 200

AED 202 Child Development - ‘A’ Courses Calendar

AED 202 provides a context for understanding and addressing teaching and learning issues encountered in the classroom. Students are introduced to the major benchmarks of children’s social, emotional, cognitive, and language development, as well as the notion of multiple intelligences. As each of these topics is addressed, the instructional implications are also discussed. (3 credits) Prerequisite: AED 201

AED 203 Classroom Instruction - ‘A Courses Calendar

AED 203 encompasses the various aspects of classroom instruction for elementary and middle school. The course builds on the foundation of curriculum instruction by examining instructional approaches, programs, lesson plans, and assessments in language arts, social science, mathematics, and science. In addition, it addresses ways in which instruction can be organized and managed effectively to facilitate learning. (3 credits) Prerequisite: AED 202

AED 204 Cultural Diversity in Education - ‘A’ Courses Calendar

AED 204 focuses on developing understanding of cultural diversity concepts in education, as well as on developing understanding of implications for learning and instruction. Students read about and discuss issues related to educational equity and multiculturalism. Students connect these perspectives to instructional strategies that may be used in the classroom. (3 credits) Prerequisite: AED 203