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| **ACA-122\_2021FA** | **College Transfer Success** | **ACA-122** |

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| CIS Course ID | S25621 |
| Effective Term | Fall 2021 |
| End Term |  |

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| Class | 0 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 1 |

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| This course provides information and strategies necessary to develop clear academic and professional goals beyond the community college experience. Topics include the CAA, college policies and culture, career exploration, gathering information on senior institutions, strategic planning, critical thinking, and communications skills for a successful academic transition. Upon completion, students should be able to develop an academic plan to transition successfully to senior institutions. |

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| Competencies |
| 1. Develop a strategic plan for completing community college academic goals, including certificates, diplomas, and/or associate degrees. 2. Develop a strategic plan for transferring to a university and preparing for a new career. 3. Identify the rights and responsibilities of transfer students under the Comprehensive Articulation Agreement (CAA), including Universal General Education Transfer Component (UGETC) designated courses, the Transfer Assured Admissions Policy (TAAP), and the CAA appeals process. 4. Evaluate learning strategies, including note-taking, test-taking, information processing, time management, and memorization techniques, and identify strategies for improvement. 5. Identify essential college resources, including financial aid, advising, registration, tutoring, library services, computer labs, and counseling services and recognize the importance of these resources on student success. 6. Identify essential college policies and procedures, including academic integrity such as avoiding plagiarism; calculating a GPA, and maintaining satisfactory academic progress for financial aid eligibility and/or good academic standing. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **CIS-110\_2006SP** | **Introduction to Computers** | **CIS-110** |

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| CIS Course ID | S21058 |
| Effective Term | Spring 2006 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. |

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| Competencies |
| 1. Identify the basic elements required in a computer system. 2. Produce electronic documents using various software applications. 3. Illustrate the role of the computer for personal and professional uses. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **CTI-110\_2009FA** | **Web, Pgm, & Db Foundation** | **CTI-110** |

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| CIS Course ID | S22510 |
| Effective Term | Fall 2009 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course covers the introduction of the tools and resources available to students in programming, mark-up language and services on the Internet. Topics include standard mark-up language Internet services, creating web pages, using search engines, file transfer programs; and database design and creation with DBMS products. Upon completion students should be able to demonstrate knowledge of programming tools, deploy a web-site with mark-up tools, and create a simple database table. |

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| Competencies |
| 1. Apply basic principles of programming logic. 2. Create a simple website with mark-up tools. 3. Create a simple database table. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **ENG-111\_2020FA** | **Writing and Inquiry** | **ENG-111** |

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| CIS Course ID | S25433 |
| Effective Term | Fall 2020 |
| End Term |  |

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| Class | 3 | Lab | 0 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course is designed to develop the ability to produce clear writing in a variety of genres and formats using a recursive process. Emphasis includes inquiry, analysis, effective use of rhetorical strategies, thesis development, audience awareness, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English. |

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| Competencies |
| Student Learning Outcomes 1. Demonstrate writing as a recursive process. 2. Demonstrate writing and inquiry in context using different rhetorical strategies to reflect, analyze, explain, and persuade in a variety of genres and formats. 3. Students will reflect upon and explain their writing strategies.  4. Demonstrate the critical use and examination of printed, digital, and visual materials. 5. Locate, evaluate, and incorporate relevant sources with proper documentation. 6. Compose texts incorporating rhetorically effective and conventional use of language. 7. Collaborate actively in a writing community. |

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| State Prerequisites | Take One Set: Set 1: DRE-097 Set 2: ENG-002 Set 3: BSP-4002 |

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| State Corequisites | Take ENG-011 |

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| **PED-110\_1997SU** | **Fit and Well for Life** | **PED-110** |

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| CIS Course ID | S11789 |
| Effective Term | Summer 1997 |
| End Term |  |

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| Class | 1 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 2 |

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| This course is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal, lifelong fitness program based on individual needs, abilities, and interests. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WEB-110\_2008FA** | **Internet/Web Fundamentals** | **WEB-110** |

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| CIS Course ID | S22058 |
| Effective Term | Fall 2008 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces World Wide Web Consortium (W3C) standard markup language and services of the Internet. Topics include creating web pages, search engines, FTP, and other related topics. Upon completion, students should be able to deploy a hand-coded website created with mark-up language, and effectively use and understand the function of search engines. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| CIS-115\_2020FA | Intro to Prog & Logic | CIS-115 |

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| CIS Course ID | S25440 |
| Effective Term | Fall 2020 |
| End Term |  |

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| Class | 2 | Lab | 3 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to use top-down algorithm design and implement algorithmic solutions in a programming language. |

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| Competencies |
| 1. Apply control structures 2. Apply top-down algorithmic design. 3. Implement algorithmic solutions in a programming language. |

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| State Prerequisites | Take One Set: Set 1: DMA-010, DMA-020, DMA-030, and DMA-040 Set 2: DMA-025 and DMA-040  Set 3: MAT-121 Set 4: MAT-171 Set 5: MAT-003 Set 6: BSP-4003 |

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| State Corequisites | None |

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| **CIS-115\_2020FA** | **Intro to Prog & Logic** | **CIS-115** |

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| CIS Course ID | S25440 |
| Effective Term | Fall 2020 |
| End Term |  |

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| Class | 2 | Lab | 3 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to use top-down algorithm design and implement algorithmic solutions in a programming language. |

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| Competencies |
| 1. Apply control structures 2. Apply top-down algorithmic design. 3. Implement algorithmic solutions in a programming language. |

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| State Prerequisites | Take One Set: Set 1: DMA-010, DMA-020, DMA-030, and DMA-040 Set 2: DMA-025 and DMA-040  Set 3: MAT-121 Set 4: MAT-171 Set 5: MAT-003 Set 6: BSP-4003 |

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| State Corequisites | None |

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| **HUM-115\_2020FA** | **Critical Thinking** | **HUM-115** |

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| CIS Course ID | S25444 |
| Effective Term | Fall 2020 |
| End Term |  |

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| Class | 3 | Lab | 0 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces the use of critical thinking skills in the context of human conflict. Emphasis is placed on evaluating information, problem solving, approaching cross-cultural perspectives, and resolving controversies and dilemmas. Upon completion, students should be able to demonstrate orally and in writing the use of critical thinking skills in the analysis of appropriate texts. |

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| State Prerequisites | Take one set: Set 1: DRE-098 Set 2: ENG-002 Set 3: BSP-4002  Set 4: ENG-111 |

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| State Corequisites | None |

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| **MAT-143\_2020FA** | **Quantitative Literacy** | **MAT-143** |

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| CIS Course ID | S25430 |
| Effective Term | Fall 2020 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course is designed to engage students in complex and realistic situations involving the mathematical phenomena of quantity, change and relationship, and uncertainty through project- and activity-based assessment. Emphasis is placed on authentic contexts which will introduce the concepts of numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities, and mathematics for citizenship. Upon completion, students should be able to utilize quantitative information as consumers and to make personal, professional, and civic decisions by decoding, interpreting, using, and communicating quantitative information found in modern media and encountered in everyday life. |

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| Competencies |
| ·Student Learning Outcomes 1. Judge the reasonableness of results using estimation, logical processes, and a proper understanding of quantity 2. Utilize proportional reasoning to solve contextual problems and make conversions involving various units of measurement 3. Identify, interpret, and compare linear and exponential rates of growth to make predictions and informed decisions based on data and graphs 4. Differentiate between simple and compound interest and analyze the long-term effects of saving, investing, and borrowing 5. Describe, analyze, and interpret statistical information such as graphs, tables, and summarized data to draw appropriate conclusions when presented with actual statistical studies 6. Determine probabilities and expected values and use them to assess risk and make informed decisions 7. Analyze civic and/or societal issues and critique decisions using relevant mathematics |

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| State Prerequisites | Take One Set: Set 1: DMA-010, DMA-020, DMA-030, and DRE-098 Set 2: DMA-010, DMA-020, DMA-030, and ENG-002 Set 3: DMA-010, DMA-020, DMA-030, and BSP-4002 Set 4: DMA-025, and DRE-098 Set 5: DMA-025, and ENG-002 Set 6: DMA-025, and BSP-4002 Set 7: MAT-003 and DRE-098 Set 8: MAT-003 and ENG-002 Set 9: MAT-003 and BSP-4002 Set 10: BSP-4003 and DRE-098  Set 11: BSP-4003 and ENG-002 Set 12: BSP-4003 and BSP-4002 |

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| State Corequisites | Take MAT-043 |

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| **WEB-115\_2008FA** | **Web Markup and Scripting** | **WEB-115** |

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| CIS Course ID | S22059 |
| Effective Term | Fall 2008 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces Worldwide Web Consortium (W3C) standard client-side Internet programming using industry-established practices. Topics include JavaScript, markup elements, stylesheets, validation, accessibility, standards, and browsers. Upon completion, students should be able to develop hand-coded web pages using current markup standards. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WEB-120\_2015FA** | **Intro to Internet Multimedia** | **WEB-120** |

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| CIS Course ID | S24280 |
| Effective Term | Fall 2015 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces the creation of rich media for the Internet. Topics include the design, production and delivery of interactive content, rich media, digital video, and digital audio. Upon completion, students should be able to create multimedia projects incorporating graphics, text, video, and audio using industry standard authoring software or web standards. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WEB-140\_2020FA** | **Web Development Tools** | **WEB-140** |

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| CIS Course ID | S25584 |
| Effective Term | Fall 2020 |
| End Term |  |

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| Class | 2 | Lab | 3 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course provides an introduction to web development tools.Topics include creating websites using web development tools and web standards. Upon completion, students should be able to create small web sites and upload files to a web server. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **COM-231\_1997SU** | **Public Speaking** | **COM-231** |

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| CIS Course ID | S12601 |
| Effective Term | Summer 1997 |
| End Term |  |

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| Class | 3 | Lab | 0 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is placed on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **CTI-120\_2009FA** | **Network & Sec Foundation** | **CTI-120** |

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| CIS Course ID | S22511 |
| Effective Term | Fall 2009 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards. Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols. |

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| Competencies |
| 1. Perform basic calculations necessary for network operations. 2. Identify the components of local and wide area networks. 3. Identify security risks to a networked information system. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **DBA-110\_2006SP** | **Database Concepts** | **DBA-110** |

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| CIS Course ID | S21017 |
| Effective Term | Spring 2006 |
| End Term |  |

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| Class | 2 | Lab | 3 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces database design and creation using a DBMS product. Emphasis is placed on data dictionaries, normalization, data integrity, data modeling, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to design and implement normalized database structures by creating simple database tables, queries, reports, and forms. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **DME-110\_2004FA** | **Intro to Digital Media** | **DME-110** |

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| CIS Course ID | S20550 |
| Effective Term | Fall 2004 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces students to key concepts, technologies, and issues related to digital media. Topics include emerging standards, key technologies and related design issues, terminology, media formats, career paths, and ethical issues. Upon completion, students should be able to demonstrate the various media formats that are used in digital media technology. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **PSY-150\_1997SU** | **General Psychology** | **PSY-150** |

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| CIS Course ID | S10777 |
| Effective Term | Summer 1997 |
| End Term |  |

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| Class | 3 | Lab | 0 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology. |

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| State Prerequisites | None |

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| State Corequisites | None |

**OR**

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| **SOC-210\_1997SU** | **Introduction to Sociology** | **SOC-210** |

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| CIS Course ID | S11919 |
| Effective Term | Summer 1997 |
| End Term |  |

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| Class | 3 | Lab | 0 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WEB-250\_2016FA** | **Database Driven Websites** | **WEB-250** |

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| CIS Course ID | S24410 |
| Effective Term | Fall 2016 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces dynamic (database-driven) website development. Topics include the use of basic database CRUD statements (create, read, update and delete) incorporated into web applications, as well as in software architecture principles. Upon completion, students should be able to design and develop database driven web applications according to industry standards. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **CTS-115\_2006SP** | **Info Sys Business Concepts** | **CTS-115** |

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| CIS Course ID | S20996 |
| Effective Term | Spring 2006 |
| End Term |  |

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| Class | 3 | Lab | 0 | Clinical | 0 | Work | 0 | Credit | 3 |

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| The course introduces the role of IT in managing business processes and the need for business process and IT alignment. Emphasis is placed on industry need for understanding business challenges and developing/managing information systems to contribute to the decision making process based on these challenges. Upon completion, students should be able to demonstrate knowledge of the 'hybrid business manager' and the potential offered by new technology and systems. |

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| Competencies |
| 1. Identify the relationship between the business objectives and the IT requirements of an enterprise. 2. Identify attributes that make up a "hybrid business manager." 3. Assess the role of technology options for managing business processes. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **DME-130\_2004FA** | **Digital Animation I** | **DME-130** |

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| CIS Course ID | S20553 |
| Effective Term | Fall 2004 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces concepts for planning and developing animation sequences. Emphasis will be placed on review of digital animation concepts and exploration of various animation software packages. Upon completion, students should be able to produce simple animations. |

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| State Prerequisites | Take DME-110 |

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| State Corequisites | None |

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| **CIS-160\_2016FA** | **MM Resources Integration** | **CIS-160** |

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| CIS Course ID | S24354 |
| Effective Term | Fall 2016 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces the peripherals and attendant software needed to create stand-alone or networked interactive multimedia applications. Emphasis is placed on using audio, video, graphic, and network resources; using peripheral-specific software; and understanding file formats. Upon completion, students should be able to utilize multimedia peripherals to create various sound and visual files to create a multimedia application. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WEB-210\_2008FA** | **Web Design** | **WEB-210** |

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| CIS Course ID | S22061 |
| Effective Term | Fall 2008 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course introduces intermediate to advanced web design techniques. Topics include customer expectations, advanced markup language, multimedia technologies, usability and accessibility practices, and techniques for the evaluation of web design. Upon completion, students should be able to employ advanced design techniques to create high impact and highly functional web sites. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WEB-285\_2006SP** | **Emerging Web Technologies** | **WEB-285** |

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| CIS Course ID | S21315 |
| Effective Term | Spring 2006 |
| End Term |  |

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| Class | 2 | Lab | 2 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course will explore, discuss, and research emerging technologies in the web arena. Emphasis is placed on exposure to up-and-coming technologies relating to the web, providing hands-on experience, and discussion of practical implications of these emerging fields. Upon completion, students should be able to articulate issues relating to these technologies. |

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| State Prerequisites | None |

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| State Corequisites | None |

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| **WEB-289\_2016FA** | **Internet Technologies Project** | **WEB-289** |

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| CIS Course ID | S24411 |
| Effective Term | Fall 2016 |
| End Term |  |

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| Class | 1 | Lab | 4 | Clinical | 0 | Work | 0 | Credit | 3 |

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| This course provides an opportunity to complete a significant Web technologies project from the design phase through implementation with minimal instructor support. Emphasis is placed on project definition, documentation, installation, testing, presentation, and training. Upon completion, students should be able to complete an Internet project from the definition phase through implementation. |

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| State Prerequisites | Take All: CTI-110, CTI-120, and CTS-115 |

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| State Corequisites | None |

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| **WBL-111\_2014FA** | **Work-Based Learning I** | **WBL-111** |

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| CIS Course ID | S23794 |
| Effective Term | Fall 2014 |
| End Term |  |

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| Class | 0 | Lab | 0 | Clinical | 0 | Work | 10 | Credit | 1 |

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| This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. |

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| State Prerequisites | None |

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| State Corequisites | None |

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