
Computer Information Systems (CIS)

CIS 002 **Internet Programming HTML/CSS** **(3)**

Class Hours: 54 Lecture

Transfers to: UC/CSU

Internet Programming HTML/CSS

CIS 002 is an intensive nine week course that helps students develop the skills needed to create and maintain well-organized and well-formed Web pages and sites. Students will learn the history, power and limitations of basic Web page development through the Web's foundation languages, Hypertext Mark-up Language (HTML) and Cascading Style Sheets (CSS) as specified by the official Web standards body. Students learn to build solid Web pages at a RAW level through a series of hands-on exercises. The course is targeted toward Web designers, developers and publications specialists. This course serves as a tutorial for students who have not coded Web pages before and a review for students who have some HTML/CSS coding knowledge and want to build on that knowledge. Upon successful completion of this course, students will have clear understanding and knowledge of Web-standards foundations for coding pages today and into the future.

CIS 002D **Intro to Prog. Concepts & Meth** **(3)**

Class Hours: 54 Lecture

P/NP

Transfers to: CSU

Introduction to Programming Concepts and Methodologies

CIS 002D introduces computer programming, emphasizing critical thinking, problem-solving, and foundational coding skills. Topics include computer hardware and software, programming concepts and methodology, and comparisons of procedural and object-oriented approaches. Designed for students with little or no prior experience, the course provides hands-on practice in designing, writing, testing, and debugging programs while connecting computing concepts to real-world applications and preparing students for CIS 002I.

CIS 005A **Information & Comm Tech Essent** **(4)**

Class Hours: 72 Lecture

P/NP

Transfers to: CSU

Information & Communication Technology Essentials

CIS 005A offers a foundational introduction to the essential computer hardware and software skills needed to meet the increasing demand for entry-level ICT professionals. Students will explore the fundamentals of computer hardware and software, alongside advanced topics such as security, networking, cloud computing, and the key responsibilities of an ICT professional. Special emphasis will be placed on troubleshooting techniques for software, hardware, and networks. This course is designed to help students prepare for the CompTIA A+ certification exams, equipping them with the skills necessary for a successful career in ICT.

CIS 005C **Computer Network Fundamentals** **(3)**

Class Hours: 54 Lecture

P/NP

Transfers to: CSU

C-ID: ITIS 150

Computer Network Fundamentals

CIS 005C provides an in-depth introduction to the architecture, structure, functions, components, and models of the Internet and other computer networks. Students will gain a foundational understanding of how networks operate, learning to build simple local area networks (LANs), configure routers and switches, and implement Internet Protocol (IP) along with enterprise technologies like cloud computing and virtualization. Emphasis is placed on the skills needed to troubleshoot, configure, and manage common network devices, establish basic network connectivity, and implement network security, standards, and protocols. This course also prepares students for the CompTIA Network+ certification exam, equipping them with the knowledge and skills essential for a career in networking.

CIS 019B Database Creation & Management**(3)***Class Hours: 36 Lecture | 54 Laboratory**P/NP**Transfers to: CSU*

Database Creation & Management

CIS 019B allows you to embark on an exploration of microcomputer databases. Whether you are new to computers or looking to brush up, this course will invite you to engage with the dynamic world of databases. Join us on a learning journey where you'll discover the art of crafting databases, generating insightful reports, and gaining mastery in updating, editing, and structuring forms within the database program.

CIS 020 Digital Image Prod-Photoshop**(3)***Class Hours: 54 Lecture**P/NP**Transfers to: UC/CSU*

Digital Image Production - Photoshop ACA

CIS 020 allows you to step into the vibrant world of digital imagery and photography. This course welcomes learners of all skill levels to embark on a creative journey through Adobe Photoshop. From mastering image editing to exploring tools like filters and masks, students will delve into the art of visual storytelling. With an emphasis on creativity and industry standards, CIS 020 offers a supportive environment where students can refine their design skills and prepare for the Adobe Certified Associate Photoshop exam. Join us and unlock your potential in the dynamic realm of digital design!

CIS 021 Desktop Publishing**(3)***Class Hours: 54 Lecture**P/NP**Transfers to: CSU*

Desktop Publishing

CIS 021 dives into the exciting world of digital 2D design and typography! Whether you're a beginner or have some experience, this course is designed to equip you with the essential skills needed to create stunning digital layouts. Using Adobe InDesign, we'll explore design principles and techniques while working on a variety of hands-on projects, including postcard mailers, event posters, and business cards. Our focus is not just on mastering technical skills, but also on nurturing your creative vision through real-world simulations. Join us and unleash your creativity in this dynamic and inclusive learning environment!

CIS 022 Digital Image Prod - Illus**(3)***Class Hours: 54 Lecture**P/NP**Transfers to: UC/CSU*

Digital Image Production - Illustrator ACA

CIS 022 takes you on a creative journey where we explore the fundamentals of digital illustration and vector graphics. This course introduces you to the diverse tools available in Adobe Illustrator, allowing you to master shapes, colors, effects, and typography basics. Through regular critiques, we foster creativity and reinforce design principles, ensuring alignment with industry standards. Whether you're a beginner or an experienced artist, join us to unleash your creativity and elevate your design skills with Adobe Illustrator.

CIS 022A Digital Motion Graphics**(3)***Class Hours: 54 Lecture**P/NP**Transfers to: UC/CSU*

Digital Motion Graphics

CIS 022A invites learners of all backgrounds and skill levels to delve into the captivating realm of motion graphics. This course offers a comprehensive exploration of essential principles, from seamlessly integrating 2D graphics and video to perfecting typography and sound synchronization. Students will navigate key concepts such as composition, storyboarding, and project planning, while also honing their abilities in setting keyframes, manipulating motion paths, and applying transformative effects. With hands-on guidance and immersive exercises, participants will acquire the skills needed to bring their creative visions to life, making CIS 022A an engaging and rewarding journey for everyone.

CIS 049 Directed Study**(1 - 2)***Class Hours: 108 Laboratory**Transfers to: CSU*

Directed Study

CIS 049 is designed for students who wish to undertake special projects related to a particular field. Student, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.
