

Technical Communications A.A.S.

Internet/Web Page Design Emphasis

Program Description

Technical Communications Internet Administration/Web Page Design Emphasis prepares students for a variety of career opportunities in computer and Internet-related fields. The program provides a general education background in technical communication and specialty courses in telecommunication and Internet.

Employment Information

The U.S. Bureau of Labor Statistics reports that there will be rapid growth for fields involving computers, networks, communication and Internet. This degree plan covers all of these areas. Telecommunications and Internet are projected to be two of the fastest growing employment areas for the future. OSU-Oklahoma City is one of the first universities in the midwest to offer a degree in the Internet field.

Degree Awarded

Associate in Applied Science

For More Information Contact:

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Technical Occupational Specialty				36 Credit Hours	Date	Institution
<input type="checkbox"/>	CIS	1113	Computer Concepts with Applications	3		
or						
<input type="checkbox"/>	CIS	1103	Fundamentals of Computer with Applications	3		
<input type="checkbox"/>	ITD	1323	Internet Fundamentals	3		
<input type="checkbox"/>	ITD	2523	LAN Fundamentals	3		
<input type="checkbox"/>	TCOM	1253	Computer Graphic Illustration	3		
<input type="checkbox"/>	TCOM	1333	Desktop Publishing I	3		
<input type="checkbox"/>	TCOM	2033	Web Page Design	3		
<input type="checkbox"/>	TCOM	2133	Advanced Web Page Design	3		
<input type="checkbox"/>	TCOM	2143	Web Programming	3		
<input type="checkbox"/>	TCOM	2263	Digital Media	3		
<input type="checkbox"/>	TCOM	2303	Desktop Publishing II	3		
<input type="checkbox"/>	TCOM	2323	Multimedia Computing	3		
<input type="checkbox"/>	TCOM	2823	Technical Communications Capstone	3		

Support and Related Courses				6 Credit Hours	Date	Institution
<input type="checkbox"/>	CIS	1123	Programming Fundamentals	3		
<input type="checkbox"/>	CIS	2363	Database Design	3		

General Education Requirements				18 Credit Hours	Date	Institution
<input type="checkbox"/>	ENGL	1113	English Composition I	3		
<input type="checkbox"/>	HIST	1493	U.S. History Since 1865	3		
<input type="checkbox"/>	MATH	1413	General College Math	3		
or						
<input type="checkbox"/>	MATH	1513	College Algebra	3		
<input type="checkbox"/>	POLS	1113	American Government	3		
<input type="checkbox"/>	SPCH	1113	Introduction to Speech Communications	3		
<input type="checkbox"/>	General Education Elective (<i>must be approved by division advisor</i>)			3		

Total to Graduate 60 Credit Hours

Student Name:	_____
CWID:	_____
Counselor:	_____
Catalog 2009-2010	

CIS 1103 FUNDAMENTALS OF COMPUTERS WITH APPLICATIONS

This course is designed to provide students with an introduction to the fundamentals of computers and their applications in business. Topics include: computer evolution, information processing, computer functions, information systems, program development process, microcomputer systems and applications, data communication, transaction processing and future trends. Theory and hands on computer instruction. This introductory course is intended for students with existing computer skills. Prerequisites: placement test or CIS 1003.

***CIS 1113 COMPUTER CONCEPTS WITH APPLICATIONS**

Provides students with an introduction to concepts and applications of the personal computer in business. Topics include spreadsheets, databases, word processing, ethics, vocabulary, Internet skills and file system management. Theory and hands-on computer instruction is included. Prerequisite: READ 0033 or [R].

CIS 1123 PROGRAMMING FUNDAMENTALS

Designed for both computer science majors and non-majors to give fundamental knowledge of computer programming concepts. Students will learn accepted programming concepts and style. This course involves logic, pseudo-code, flow charts, statement sequencing, conditional statements, loop structures and input/output. Prerequisite: Basic computer knowledge.

***CIS 2363 DATABASE DESIGN**

Provides students with basic knowledge of database planning, design and implementation. Exercises will take the student through database planning, design and construction, implementation and maintenance. Prerequisite: CIS 1113.

***ITD 1323 INTERNET FUNDAMENTALS**

Introduction to the worldwide computer network. Course uses a hands-on approach to teach students the history and capabilities of the Internet. Students learn the resources available via the World Wide Web and searching capabilities. Prerequisites: placement test or CIS 1003.

***ITD 2523 LAN FUNDAMENTALS**

Course is designed to provide the students with basic knowledge of computer networks. Students will learn the types and methodology of networks. Exercises will involve hands-on use of computer networks. Prerequisite: CIS 1003 or CIS 1113 or CIS 1103.

***TCOM 1253 COMPUTER GRAPHIC ILLUSTRATION**

Study of basic concepts of computer graphics. Design and use of graphic software applications. Students will learn design and presentation skills. Prerequisite: CIS 1103 or CIS 1113. Fall only.

***TCOM 1333 DESKTOP PUBLISHING I**

Overview of desktop publishing, where an individual (through the proper equipment and software), can manipulate existing material or prepare new materials for printing. Course will concentrate on basic layout and design and practical applications of word processing, graphics and pagination programs important to creating attractive and effective documents at a lower cost than traditional printing methods.

***TCOM 2033 WEB PAGE DESIGN**

Basic introduction to HTML (hypertext markup language) and to the theories and concepts of publishing on the World Wide Web. Students will construct a Web page using HTML. Prerequisite: ITD 1323. Spring only.

***TCOM 2133 ADVANCED WEB PAGE DESIGN**

This course covers multi-level navigation strategies, cascading style sheets and scripting languages. Prerequisite: ITD 1323 and TCOM 2033. Fall only.

***TCOM 2143 WEB PROGRAMMING**

This course is an introduction to Active Server Pages (ASP+). It is a hands-on and lecture course for students to become familiar with developing advanced Web applications using Active Server Pages (ASP+). Topics include using advanced Web development tools, the Active Server Page model, processing forms, integrating Web applications with data and other server-based applications, configuring Web applications and using Web services to integrate Web applications. Prerequisite: CIS 1123 and TCOM 2133. Spring only.

***TCOM 2263 DIGITAL MEDIA**

Introduction to digital images and image editing software applications. Course covers using a digital camera, media transfer, resolution, enhancing and altering images. Prerequisite: CIS 1103 or CIS 1113. Fall only.

***TCOM 2303 DESKTOP PUBLISHING II**

Desktop Publishing II will present a more detailed review of the desktop publishing concept, proper equipment and software. Also included will be concentration on design and layout of graphic, text and pictorial subject matter. Prerequisite: TCOM 1333.

***TCOM 2323 MULTIMEDIA COMPUTING**

Introductory course in multimedia design and implementation. Course explores the design principles and theory involved in multimedia presentation. Student will design and present application. Prerequisite: CIS 1103 or CIS 1113. Spring only.

***TCOM 2823 TECHNICAL COMMUNICATIONS CAPSTONE**

The final culmination of the program of study. The student will demonstrate the collected knowledge, skills and techniques acquired in the program courses by working through scenarios. Prerequisite: 27 hours of TCOM coursework.

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