

COMPUTER PRINT GRAPHICS

Computer Print Graphics

Certificate

Professors:

Brown (chair), Davis, Dieruf, Rhodes

Associate Professor:

Hodges

Assistant Professor:

Hein, Herzfeld

- The certificate in Computer Print Graphics is offered by the Department of Visual Arts. The department also offers a B.F.A. in Art and Design and minors in art history, fine arts, and graphic design.
- You should consider this certificate if you are a degree-seeking student in another major who would like to acquire additional skills to enhance your professional marketability or a community member seeking professional education in the technology sector.
- Classes are scheduled so you can complete the certificate in four semesters.

	CERTIFICATE
Hours Required in Art:	24
Hours Required in Other Departments:	0
Total Hours Required:	24

The certificate in Computer Print Graphics is designed to assist you to:

- Understand the role a computer plays in a graphic designer's career
- Learn the basic functions of the Macintosh computer
- Gain fundamental knowledge of graphic applications like QuarkXpress, Adobe Illustrator, Adobe Photoshop
- Learn reproduction and manipulation of scanned images
- Create comprehensive layouts
- Develop a personal design style and vocabulary based on knowledge of past and contemporary design trends, materials, and commercial printing techniques.

Students may transfer a maximum of 12 credits into the program selected from ART 104, ART 105, ART 207, ART 212, and ART 412.

Summary of Requirements for Certificate in Computer Print Graphics

Certificate

1. Required Courses: (24 hours)

ART 104	Two-dimensional Design	ART 307	Computer Graphics
ART 105	Three-dimensional Design	ART 407	Advanced Graphic Design - Print (Level I)
ART 207	Graphic Design	ART 407	Advanced Graphic Design - Print (Level II)
ART 212	Drawing	ART 412	Advanced Drawing

College-level proficiency in English is required, as evidenced by a passing score on the English placement exam, completion of ENGL 101 or completion of its equivalent at another institution.

Computer Information Systems

	MAJOR	MINOR
Major		
Minor		
Hours Required in Computer Science:	47	13
Hours Required in Other Departments:	27-28	6
Total Hours Required:	74-75	19

See related programs

- COMPUTER SCIENCE
- INFORMATION TECHNOLOGY

Professors:

Chitsaz, Rinard (Chair)

Associate Professor:

Thiel

Assistant Professors:

Amthauer, M. Flinn, Song, Xu, Zheng

- Computer science courses must have a grade of C or better to be applied towards major or minor requirements.
- You may receive credit by examination for the following courses: COSC 100, 101, 240, 350.

Summary of Requirements for Major/Minor in Computer Information Systems

Major	Minor
<p>1. Core Courses: (26 hours)</p> <p>COSC 101 The Discipline of Computer Science (<i>Tech. Fluency</i>) COSC 102 Foundations of Computer Science COSC 240 Computer Science I COSC 241 Computer Science II COSC 325 Software Engineering COSC 365 Digital Logic COSC 460 Operating Systems Concepts COSC 489 Computer Science Capstone</p> <p>2. Required Advanced Courses: (15 hours)</p> <p>COSC 300 Structured Systems Analysis and Design COSC 331 Fundamentals of Computer Networks COSC 380 Computer-Based Information Systems COSC 440 Database Management Systems COSC 480 Knowledge-Based Systems</p> <p>3. Other Required Courses:</p> <p>Mathematics (6-7 hours) MATH 220 Calculus for Applications <i>or</i> MATH 236 Calculus I (<i>Core Skill 3</i>) MATH 209/219 Elements of Applied Probability and Statistics (<i>Core Skill 3</i>) <i>or</i> MATH 380 Introduction to Probability and Statistics</p> <p>Other: (12 hours) ACCT 211 Financial Accounting CMST 102 Introduction to Human Communication ENGL 338 Technical Writing (<i>Core Skill 2</i>) MGMT 351 Management of Organizations</p> <p>4. Electives: (6 hours) <i>At least two courses selected from:</i> COSC 305 Computer Ethics COSC 320 Business Programming COSC 335 Network Architecture Design COSC 345 The Internet and Multimedia Communications COSC 350 Low-Level Programming Concepts COSC 390 Topics in Modern Programming Languages COSC 431 Secure Computing COSC 491 Seminar in Computer Science COSC 494 Field Exp. in Computer/Information Science COSC 499 Individual Problems in Computer Science</p> <p>5. Electives in Business: (9 hours) <i>Any three of the following courses</i> BLAW 291 Legal Environment of Business MGMT 355 Operations Management MGMT 356 Leadership and Human Behavior MGMT 357 Human Resource Management MKTG 361 Principles of Marketing</p>	<p>1. Core Courses (10 hours)</p> <p>COSC 101 The Discipline of Computer Science (<i>Tech. Fluency</i>) COSC 240 Computer Science I ACCT 211 Financial Accounting</p> <p>2. Advanced Courses: (6 hours) <i>Two of the following</i> COSC 300 Structured System Analysis and Design COSC 305 Computer Ethics COSC 380 Computer-Based Information Systems</p> <p>3. Elective in Business: (3 hours) <i>One of the following</i> BLAW 291 Legal Environment of Business MGMT 355 Operations Management MGMT 356 Leadership and Human Behavior MGMT 357 Human Resource Management MKTG 361 Principles of Marketing</p>