

## UNIVERSITY TRANSFER PLANNING RESOURCES

### CSU Monterey Bay

<http://admissions.csUMB.edu/>

### California State University

<http://www.csumentor.edu/>

### University of California

<http://www.universityofcalifornia.edu/>

### ASSIST: An Online Student-Transfer Information System

<http://www.assist.org/>



### GE COMPLETION AT HARTNELL COLLEGE

Students may complete 39 units of the 48 CSU GE requirements at Hartnell College, thereby requiring only 9 upper-division GE semester units at CSUMB.

### CONTENT DISCLAIMER

At the time of printing, the content included in this brochure represented the most accurate information available, however, articulation agreements change regularly. For the most up-to-date transfer agreements and graduation requirements, you are advised to meet with a counselor.



## TRANSFER PROGRAM

Start your **Computer Science and Information Systems** degree at **Hartnell College** and complete your **Bachelor's of Science in Information Technology and Communication Design** at **CSU Monterey Bay**



### What can you do with an Information Technology and Communication Design degree?

Animator	Graphic Specialist
Brand Identity Designer	Interactive Art Designer
Communication Managers	Interactive Web Design
Computer Operator	Internet Professional
Designer	Marketing and Graphics
Flash Developer	Production Artist
Game Designer	3D Modeler
Games Programmer	Web Designer/Developer
Graphic Designer	Web Marketing Design



### HARTNELL COLLEGE

#### Studying **Computer Science and Information Systems** at Hartnell College

The Computer Science and Information Systems program prepares students taking the Computer Science Option with the lower-division coursework required at most universities for advancement to upper-division coursework for the Bachelor's degree with a major in Computer Science or Information Systems fields. The program also prepares students taking the PC/Networking Support Specialist or Digital and Web Design Options for immediate entry into the workforce by obtaining an Associate's degree. All options are designed to provide students with the skills necessary for employment in the information systems and computer science industry.

#### For more information contact faculty members:

**Chris Svendsen** (csvendse@hartnell.edu)

**Pam Weise** (pweise@hartnell.edu)

**Joe Welch** (jwelch@hartnell.edu)

#### Start by making an appointment with a counselor

Hartnell can provide the courses you need to start a rewarding education that leads to a career in the information and communication sciences. Before beginning any college major or career path it is best to first talk to a counselor. The academic counselors at Hartnell College can give you career advice, help you plan your course schedule, and assist you in understanding the requirements for transfer to CSUMB. Schedule an appointment with **Ignacio Pando** at 831-755-6820 in Merrill Hall 21 (ipando@hartnell.edu) or **LaVerne Cook** at 831-755-6820 in CAB 371 (lcook@hartnell.edu).

### CALIFORNIA STATE UNIVERSITY MONTEREY BAY

#### **Information Technology and Communication Design B.S.**

The ITCD degrees provide a broad-based understanding of current technologies and applications of media arts, web design, animation design, and game design. Students combine this technological knowledge with design, communication, and management skills in the development of customized university experiences pertinent to their career interests and ambitions and to the needs of a global, multicultural society. The ITCD program produces graduates that cross boundaries as individual contributors and who are uniquely qualified for collaborative projects in design and high-tech industries.

#### For more information contact faculty advisors:

**ITCD Advisor** (itcd@csUMB.edu)

**Kevin Cahill** (kcahill@csUMB.edu)

**Patrick Watson** (pwatson@csUMB.edu)

**Bobbi Long** (blong@csUMB.edu)

**Eric Tao** (etao@csUMB.edu)

#### **School of Information Technology and Communication Design**

100 Campus Center  
Seaside, CA 93955-8001  
831-582-3621  
email: itcd@csumbe.edu

**Office Hours:** Monday–Friday  
8:30 a.m.–5:00 p.m.

<http://itcd.csUMB.edu/itcd>

**Lower-Division Core Requirements  
for Information Technology and Communication Design majors**

Hartnell College	CSU Monterey Bay
CSS 43 Computer Systems and Information Literacy <b>OR</b> CSS 90/LBT 90 Internet Literacy	CST 101: Technology Tools & CST 101L: Lab <b>OR</b> CST 102: The Internet
CSS 25 Multimedia Integration	CST 201: Media Tools Lecture & CST 201L: Lab
CSS 29 Programming for Multimedia <b>OR</b> CSS 1 Introduction to Computer Science and Programming Fundamentals <b>OR</b> CSS 2A Object Oriented Programming <b>OR</b> CSS 6 Programming in Visual Basic	CST 221: Scripting for Multimedia <b>OR</b> CST 231: Problem Solving/Programming
CSS 3 Computer Architecture and Assembly Language	CST 237: Introduction to Computer Architecture
MAT 16 Finite Mathematics <b>OR</b> MAT 2 Calculus for Managerial Life and Social Sciences <b>AND</b> <i>No Equivalent at Hartnell; however, students can take this course at CSUMB as Cross Enrollment</i> <b>OR</b> MAT 24 Trigonometry <b>AND</b> MAT 25 Pre-Calculus <b>AND</b> <i>No Equivalent at Hartnell; however, students can take this course at CSUMB as Cross Enrollment</i>	MATH 115: Finite Mathematics  <b>AND</b> MATH 116: Finite Mathematics II  <b>OR</b>  MATH 130: Pre-Calculus & MATH 130L: Lab  <b>AND</b> MATH 170: Discrete Mathematics

**ITCD majors will complete all lower-division Core Requirements listed above and select one emphasis and complete requirements listed below:**

<b>Visual Design emphasis requirements:</b> <i>All courses within this concentration are upper-division and are not articulated..</i>	
<b>Interactive Media emphasis requirements:</b> <i>All courses within this concentration are upper-division and are not articulated..</i>	
<b>Web Design and Development emphasis requirements:</b>	
CSS 31 Database Management	CST 263: Introduction to Database Systems
<b>Digital Animation emphasis requirements:</b> <i>All courses within this concentration are upper-division and are not articulated..</i>	

**Additional CSUMB Graduation Requirements (non-GE) that may be taken at Hartnell College**

CSS 43 Computer Systems and Internet Literacy	CST 101 or ENV5 300L
Foreign language up through the 3 <sup>rd</sup> semester	Foreign language up through the 3 <sup>rd</sup> semester

**CSUMB Graduation Learning Outcomes:**

CSUMB has four graduation learning outcomes, two of which are fulfilled in the ITCD major, and the other two of which (technology/information competence and 2<sup>nd</sup> language proficiency) may be completed at Hartnell with CSS 43 and the third semester of a foreign language.

**Examples of Upper-Division Pathways  
for Information Technology and Communication Design majors**

CSU Monterey Bay	
Year 3	Year 4
<b>Core requirements:</b>	
CST 201/L: Media Tools Lecture & Lab CST 236: Computing for Digital Artists CST 300/L: Major ProSeminar Lecture and Writing Lab CST 430: Technology & Information	CST 361S: Technology Tutors Service Learning CST 373: Ethics in Communication & Technology CST 400: Senior Capstone Project Planning CST 401: Capstone Lab CST 496: Senior Capstone Project Advising
<b>Visual Design emphasis pathway example:</b>	
CST 328: Digital Art & Design CST 351: Web Design Visual Design Elective ITCD Elective	CST 304/L: Publication Design & Lab CST 404: Publication Workshop Visual Design Elective
<b>Interactive Media and Game Design emphasis pathway example:</b>	
CST 328: Digital Art & Design CST 341: Introduction to Instructional Design Interactive Media Elective ITCD Elective	CST 321: Multimedia I CST 421: Multimedia II Interactive Media Elective
<b>Web Design and Development emphasis pathway example:</b>	
CST 328: Digital Art & Design CST 351: Web Design Interactive Media Elective ITCD Elective	CST 352: Web Scripting CST 451: Web Production Web Design Elective
<b>Digital Animation concentration emphasis pathway example:</b>	
CST 328: Digital Art & Design CST 428: Digital Art Workshop ITCD Elective Digital Animation Elective	CST 305: 3D Modeling & Animation CST 405: 3D Animation Workshop Digital Animation Elective

**University Learning Requirements (ULRs)**

The State of California requires completion of a 48 unit General Education (GE) Breadth program that includes a minimum of 9 upper-division GE semester units. At CSUMB, these GE courses are identified as ULRs.

**Graduation Writing Assessment Requirement (GWAR)**

ITCD majors fulfill this requirement with CST 300/L.