This service learning course involves community work.

40247 Wrk Ex CDC130 P Henrickson 1.0
40248 Wrk Ex CDC130 P Henrickson 2.0
40249 Wrk Ex CDC130 P Henrickson 3.0
40260 Wrk Ex CDC130 P Henrickson 4.0

COMMUNICATION STUDIES

CMUN 1A Introduction to Public Speaking
Transferable: CSU, UC; CSU-GE:A1; IGETC:1C; GAV-GE:A1;
CAN:SPCH4
Basic principles of effective human communication and their function in
contemporary public settings; emphasis is on the speeches to inform
and persuade, with special consideration given to fundamental communication
skills, including organization, reasoning, explanation, rhetoric and listening. (C- ID: COMM 110) ADVISORY: Eligible for English 250 and English 260.

40141 Lec PB1 C Avila 3.0 W 0600-0905
40142 Lec PB1 S Giacalone 3.0 T 0600-0905
40144 Lec PB1 D Besson-Silvia 3.0 W 0230-0535
40143 Lec PB1 D Besson-Silvia 3.0 M 0230-0535
40145 Lec HOL2 A Andrade 3.0 MW 0810-0930
Above class meets at the Hollister Briggs site.
40146 Lec PB1 S Giacalone 3.0 F 1215-0320
40901 Lec MHG10 D Cowan 3.0 TR 0945-1105
Above class meets at Morgan Hill Community site.

CMUN 4 Intercultural Communication
Transferable: CSU, UC; CSU-GE:D3, D7, IGETC:4G; GAV-GE:D2, F
This course will explore the dynamics of communication as it applies to people
from different cultures. Course content focuses on the application of theory and
research to intercultural communication contexts. Increasing the awareness
and understanding of diversity, the perception process, culture, verbal and
non-verbal communication and the obstacles that prevent one from becoming a
competent intercultural communicator will be examined. (C-ID: COMM 150)

40147 Lec PB1 E Waddell 3.0 TR 0810-0930

CMUN 5 Fundamentals of Communication Studies
Transferable: CSU, UC; CSU-GE:A1, IGETC:1C; GAV-GE:A1
This course provides instruction and application of theory and practice in
various communication contexts including the self concept, interpersonal,
interviewing skills, small group dynamics, and public speaking. Emphasis is
placed on analytical and organizational skills, listening, nonverbal and verbal
communication, and public speaking communication methodology. ADVISORY: English 250 and English 260.

40148 Lec PB1 E Waddell 3.0 TR 0945-1105

CMUN 6 Introduction to Conflict Resolution
Transferable: CSU; CSU-GE:D7; GAV-GE:D2
Introduction to Conflict Resolution introduces students to conflict resolution and
mediation. Integrating theory and practice, students will assess core concepts
about the causes and resolution of conflict, and will practice communication
skills for conflict resolution. Students will examine how ethnicity, gender,
and class affect power in conflict situations. They will be able to formulate
appropriate conflict resolution strategies, and will develop and practice various
basic co-mediation skills. This course has the option of a letter grade or pass/no
pass. This course is also listed as PSYC 6 and CMUN 6. ADVISORY: English 250 and English 260.

40840 Lec SS205 L Halper 3.0 MW 1120-1240
This service learning course involves community work.

CMUN 8 Interpersonal Communication
Transferable: CSU, UC; CSU-GE:A1, IGETC:1C; GAV-GE:A1, F
This course studies the communication process in an interpersonal (dyadic)
setting. This class will explore the ways in which we can improve our
communication with others. Verbal and nonverbal messages, self-concept,
cultural differences, gender differences, perception, listening and conflict
management will be explored. (C-ID: COMM 130)

40150 Lec PB1 D Besson-Silvia 3.0 MW 0945-1105
40151 Lec PB1 D Besson-Silvia 3.0 MW 1250-0210
40152 Lec PB1 D Besson-Silvia 3.0 MW 1120-1240

CMUN 10 Small Group Communication
Transferable: CSU, UC; CSU-GE:A1, IGETC:1C; GAV-GE:A1;
CAN:SPCH10
An introductory course that develops basic individual reasoning skills, insights
and experiences in information-sharing, interacting, decision-making, problem-
solving, resolution of disputes and other issues central to group processes.
(C-ID: COMM 140) ADVISORY: Eligible for English 250 and English 260.

40136 Lec MGH12 D Cowan 3.0 TR 0810-0930
Above class meets at Morgan Hill Community site.
40137 Lec PB1 S Giacalone 3.0 F 0900-1205
This service learning course involves community work.
40138 Lec HOL2 A Andrade 3.0 MW 0945-1105
Above class meets at the Hollister Briggs site.
40139 Lec PB1 E Waddell 3.0 TR 1120-1240
This service learning course involves community work.

CMUN 129 Presentation Graphics - MS PowerPoint
Transferable: CSU
This introductory course in presentation graphics will use Microsoft Office’s
“PowerPoint” software to create a computerized presentation with text and
objects. This course has the option of a letter grade or pass/no pass. This
course is also listed as CSIS 129. ADVISORY: CSIS 126 or word processing
skills in the Windows environment.

40826 Lec HOL3 M Bryson 1.0 0900-1105
Above class meets at the Hollister Briggs site.
02/12/14 - 03/12/14
40828 Lec BU110 E Venable 1.0

COMPUTER GRAPHICS AND DESIGN

CGD 2 2D / 3D Technical Computer Graphics I
Transferable: CSU
Introduction to graphic and design competencies architects, engineers, game/
simulation developers, industrial designers and other careers professional
designers use when producing and marketing real and/or virtual consumer
products. Prepares students to create consumer products, buildings and other
design objects by using various software tools such as SolidWorks and
Autodesk AutoCAD. (C-ID: COMM 140)

40902 L/L LI126 N Nadah 3.0 TR 0620-0820
SolidWorks Parametric Computer Aided Design (CAD) software will be taught
and used as a tool design consumer products and produce 3D renderings, animations,
and technical dimensioned drawings.

Get Started Today and Earn a Degree or Certificate in
Communication Studies!

AA-T degree in Communication Studies (for Transfer to a CSU)
AA degree in Communication Studies
Certificate of Achievement in Communication Studies
Certificate of Achievement in Interpersonal Communication

ONLINE CLASSES: You must have an email account to take this course.
Start your course by going to http://www.gavilan.edu/disted. Unless you have made
prior arrangements with the instructor, you MUST log on by 11:59 pm on the first day
of the course. Late adds must login within 24 hours of adding this course. If you miss
the deadline you may be dropped. For help, contact your instructor or email disted@gavilan.edu.

www.gavilan.edu | Gavilan College
CGD 4 2D / 3D Technical Computer Graphics II
Transferable: CSU
Intermediate computer graphics design course expands skills and concepts introduced in CGD 2. Applies technical design, drafting standards, and graphic communications to develop, present, analyze, test, manufacture, and market consumer products. Produces 2D and 3D technical drawings to graphically communicate feasibility of proposed products to be manufactured in terms of usability, material selection, and design intent. Project based assignments demonstrate technical design and problem solving skills required for success in and array of technical design career(s). ADVISORY: Completion of CGD 2 with a grade of C or better.

CGD 6 3D Technical Computer Graphics
Transferable: CSU
Advanced computer graphics and design course that combines technical design proficiency with creative and innovative architectural design and visualization. The course introduces freeform modeling techniques and 3D printing to create and manipulate 3D digital models for design and manufacturing. Students will gain experience using a variety of computer-aided design (CAD) software and 3D printing technologies to create 3D models and prototypes. Students will learn to use 3D printing technology to create physical models and prototypes for product development. Students will also learn to use the Autodesk Revit program to create and manipulate 3D digital models for architecture, engineering, and construction. ADVISORY: Completion of CGD 2 with a grade of C or better.

CGD 7 Advanced Computer Graphics Designs for Application II
Transferable: CSU
Advanced computer graphics and design course that combines technical design proficiency with creative and innovative architectural design and visualization. The course introduces freeform modeling techniques and 3D printing to create and manipulate 3D digital models for design and manufacturing. Students will gain experience using a variety of computer-aided design (CAD) software and 3D printing technologies to create 3D models and prototypes. Students will learn to use 3D printing technology to create physical models and prototypes for product development. Students will also learn to use the Autodesk Revit program to create and manipulate 3D digital models for architecture, engineering, and construction. ADVISORY: Completion of CGD 2 with a grade of C or better.

CGD 8 Advanced Computer Graphics for Design Application I
Transferable: CSU
Advanced course in applied computer graphics and associated interdisciplinary design proficiency required by careers that design, engineer, manufacture and/or market products. Applies theories, principles and skills covered in CGD 4 and integrates business, sustainable design, and hybrid projects. Design solutions reflect technical understanding, aesthetic principles and addresses societal needs in a cost effective manner. Presentations include narrating and rendering models of real and/or virtual products that address human factors/ergonomics, usability, life cycle analysis and sustainability. Portfolios support advancement in student-selected career pathways by communicating competence in computer graphics and design. ADVISORY: Eligible for English 250, 260 and Mathematics 233.

CGD 9 Advanced Computer Graphics for Design Application II
Transferable: CSU
Advanced computer graphics and design course that combines technical design proficiency with creative and innovative architectural design and visualization. The course introduces freeform modeling techniques and 3D printing to create and manipulate 3D digital models for design and manufacturing. Students will gain experience using a variety of computer-aided design (CAD) software and 3D printing technologies to create 3D models and prototypes. Students will learn to use 3D printing technology to create physical models and prototypes for product development. Students will also learn to use the Autodesk Revit program to create and manipulate 3D digital models for architecture, engineering, and construction. ADVISORY: Completion of CGD 2 with a grade of C or better.

CGD 30 Environmental Design
Transferable: CSU
Design and develop conceptual plans using freehand sketches and building information modeling (BIM) to produce rendered interior and exterior pictorials. Refine resultant 3D BIM models to address complexity of architectural design by meeting user’s needs with an environmentally sound, cost effective, aesthetically pleasing design solution that complies with planning requirements and building code regulations. Generate plans and schedules to produce portions of construction documents required for obtaining building permits and providing bidding documents. Prepare students with technical design skills required for entering environmental planning and construction management. ADVISORY: CGD 2

CSS 1 Computer and Information Technology
Transferable: CSU, UC; GAV-GE:E2; CAN:CSCI2
An introduction to terminology, design, operation for the novice user. Student will gain experience using the Internet for searches and email. They will complete projects using various software including word processing, spreadsheets, database, presentation graphics, and integration. This course has the option of a letter grade or Pass/No Pass. ADVISORY: Eligible for English 250 and English 260; completion of CSS 122.

CSS 2 Computers in Business
Transferable: CSU; GAV-GE:E2; CAN:BUS6
Introduction to business information management systems. Topics include database management systems, computer hardware and software, networking, ethics, data security, e-commerce; includes hands-on experience applying these concepts to solve practical business problems using word processing software, spreadsheets, database management systems, presentation graphics and Internet applications. Students cannot receive credit for both CSS 2 and CSS 2L. Please see a counselor about degree, certificate, and transfer requirements. This course has the option of a letter grade or Pass/No Pass. (C-ID: BUS 140) ADVISORY: Eligible for Mathematics 233, English 260 and English 250, and completion of CSS 122.
### Computer Science

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#### CSIS 2L Computers in Business Lab
**Transferable:** CSU, UC
Hands-on experience solving practical business problems using word processing software, spreadsheets, database management systems, presentation graphics and Internet applications. Students cannot receive credit for both CSIS 2L and CSIS 2L. Please see a counselor about degree, certificate, and transfer requirements. This course has the option of a letter grade or pass/no pass.

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#### CSIS 5 C++ Scientific Programming
**Transferable:** CSU, UC; CAN:CSCI4
An introduction to computer problem solving and programming using the C++ language for science and engineering majors. Students will write programs for a variety of scientific and mathematical applications. This course has the option of a letter grade or pass/no pass. PREREQUISITE: Mathematics 1A ADVISORY: Completion of CSIS 10.

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#### CSIS 6 Web Page Authoring I
**Transferable:** CSU; GAV-GE-E2
An introduction to using Hypertext Mark-Up Language (HTML) and Extensible HTML (XHTML) to create web pages which can be uploaded and displayed on the World Wide Web. Students will use HTML/XHTML to create web pages with text in various sizes and colors, links to other sites, background color or patterns, graphics, tables and mailto links. Principles of design and color as they apply to screen presentations will be included. This course has the option of a letter grade or pass/no pass. Also listed as LIB 6 and DM 6. ADVISORY: CSIS 1 or CSIS 2 or CSIS 3/LIB 3 advised.

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#### CSIS 8 Introduction to the Internet
**Transferable:** CSU; GAV-GE-E2
Topics include networking fundamentals, webpages and HTML, online security basics, and business email etiquette. Students will learn techniques to search efficiently for information and evaluate its credibility. This is a pass/no pass course. ADVISORY: CSIS 124

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#### CSIS 10 BASIC Programming
**Transferable:** CSU, UC
This course is an introduction to programming using BASIC. No previous programming background is assumed. This is a good class for those new to programming and recommended for non-programmers that want to take other programming classes. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 1 or CSIS 2 or equivalent experience.

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#### CSIS 24 Java Programming I
**Transferable:** CSU, UC
Introduction to Java programming. Includes learning the Java environment, using and creating Java applets, and writing stand-alone applications. Covers the Java environment, object-oriented programming, language basics, classes, interfaces, packages, threads, and exceptions. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 45 C++ Programming or equivalent programming experience.

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#### CSIS 43 C Programming
**Transferable:** CSU, UC
This course introduces computer programming using the C programming language. Topics include variable and constant declarations, arithmetic operations, selection, input/output operations, repetition, functions and recursion, arrays, pointers, and other related topics. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 10 BASIC Programming, or other programming experience.

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#### CSIS 45 C++ Programming I
**Transferable:** CSU, UC; GAV-GE-E2; CAN:CSCI18
An introduction to the concepts and methods of computer programming using C++. Students will be introduced to procedural and object-oriented programming design methodology. Topics covered include variable and constant declarations, selection statements, repetition, functions and recursion, arrays, strings, pointers, and an introduction to classes and objects. This course will prepare students for the Programming II class. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 10 or equivalent. Math 205 (Elementary Algebra)

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#### CSIS 48 UNIX / Linux Operating System
**Transferable:** CSU, UC
This course will provide the basics of the UNIX/Linux operating system, including the history and the use of UNIX/Linux with hands-on experience using commands and files. Topics to be covered include basic UNIX/Linux commands, text editing, files and directories, electronic mail, pipes and filters, and shell programming. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 1 or CSIS 2 or equivalent computer experience.

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#### CSIS 49 UNIX / Linux Shell Programming
**Transferable:** CSU, UC
A beginning course in UNIX/Linux shell programming using different commands including awk, sed, and Perl. The course will cover theory and concepts including interpretation of different quote characters, shell variables, decision-making commands, and looping mechanism. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 48

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This symbol means it is a **Hybrid** lecture/online class, that will be partially over the Internet. Visit [www.gavilan.edu/disted/](http://www.gavilan.edu/disted/) for details.
### Computer Science

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**CSIS 75 Photoshop I - Adobe Photoshop**  
Transferable: CSU; GAV-GE:C1  
This is an entry level course in mastering Adobe’s Photoshop software. Students will learn creative and fundamental processes in professional digital image editing. Hands on lessons provide students with skills to manage today’s image libraries. Students will be introduced to Photoshop’s Bridge and Camera Raw utilities while crafting state of the art compositions for print, video, animation and the web. There is a focus on basic tonal and color adaptations, digital painting, black and white conversion, special effects, and correction and restoration techniques. This course has the option of a letter grade or pass/no pass. This course is also listed as DM 75. ADVISORY: CSIS 124 (Windows Fundamentals), CSIS 2L

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**CSIS 76 Digital Illustration**  
Transferable: CSU; GAV-GE:C1  
Illustration techniques using computer Bezier curve-based illustration software tools to do diagrams and graphics for use in art, desktop publishing, web graphics, multimedia, and computer presentations. This basic illustrator course is focused on the technical and historical aspects of digital design and illustration as well as the development of personal artistic expression and visual perception through the use of the digital illustration medium. The course will include lectures and discussions about color, composition and content, computer and illustration program use, printing and presentation techniques. This course has the option of a letter grade or pass/no pass. This course is also listed as DM 76. ADVISORY: CSIS 1 or CSIS 2 or equivalent computer experience.

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**CSIS 77 Introduction to Digital Media and its Tools**  
Transferable: CSU, UC; GAV-GE:C1  
An introduction to the field of digital media, including history, social impact, concepts, career options and industry trends. Applying learned visual and aural design principles, students will explore the use of computer-based tools in the design and production of digital media by creating and editing digital images, sounds, video, animation, and text. A comprehensive term project for publication on the web or CD ROM will be required. This course is also listed as DM 77. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 124, CSIS 1, CSIS 2/2L, CSIS 3, or familiarly using the Macintosh or Windows operating system.

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**CSIS 78 Web Sites with SQL and PHP**  
Transferable: CSU  
Covers the programming of database-driven, web-based applications (such as an eCommerce web site) using PHP and MySQL. PHP is a powerful language for writing server-side Web applications. MySQL is the world’s most popular open source database. Together these two technologies provide a powerful platform for building database-driven Web applications. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 128 Database - Access, or equivalent database experience.

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**CSIS 85 Web Design I: Dreamweaver**  
Transferable: CSU; GAV-GE:C1  
Basic and intermediate principles of designing web pages using Dreamweaver, HTML and CSS. Emphasis will be on concept development, interface and navigation design, layout principles and the use of Dreamweaver and CSS to execute, develop, and maintain professional Web sites. Topics will include enhanced text formatting, tables, styles, forms, frames, image maps, and background colors and patterns. Course also includes the integration of multimedia components such as graphics, sound, animation, and video. This course is also listed as DM 85. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 6 or basic knowledge of HTML.

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**CSIS 107 Digital Media Design**  
Transferable: CSU  
Fundamentals of design for visual, time-based, interactive, and sound arts as applied to digital media. Includes basic storytelling, graphic design, information architecture, and human factors. Page layout, scripting, storyboards, and flow charts will be used as tools applicable to the design and development of business presentations, interactive media, educational multimedia, animation, web sites, video games, and film/video. This course has the option of a letter grade or pass/no pass. Also listed as DM 107. ADVISORY: CSIS 1 or CSIS 2/2L or equivalent computer experience

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**CSIS 112 Keyboard Speed Building**  
Transferable: CSU  
This self-paced course is designed for students who know the alphabetic keyboard by touch and who want to develop their keyboarding speed. Students will use a microcomputer to keyboard a series of straight-copy timings, which will enable them to achieve a high level of skill. This is a pass/no pass course. ADVISORY: CSIS 122 or knowledge of keyboarding speed of at least 25 wpm.

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**CSIS 113 Introduction to Digital Video**  
Transferable: CSU; GAV-GE:C1  
Introduction to the aesthetic and technical aspects of digital video recording, non-linear editing, visual effect generation, and production of video (and associated audio) using the personal computer equipped with specialized software such as Final Cut Pro, Motion, and After Effects. Also considered will be the preparation of digital video for distribution in interactive media such as CDs, DVDs, mobile devices, and the World Wide Web. Students will produce a final digital video project for distribution in various media formats. This course has the option of a letter grade or pass/no pass. Also listed as DM 113. ADVISORY: CSIS 1 or CSIS 2/2L or equivalent computer experience.

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**CSIS 114 Digital Media Production**  
Transferable: CSU  
A team oriented practicum that focuses on the application of learned skills to the production of digital media and digital print projects, such as web sites, CD ROM, and DVDs. Project development will be accomplished according to team derived master schedules. Lectures will be on project management, work coordination and production techniques, client-team interface, asset management and integration, budget estimates, testing, and copyright infringement. Please note that this is very much a team oriented class. This course has the option of a letter grade or pass/no pass. This course is also listed as DM 114. ADVISORY: At least one of the following: ART 75, CGE 2, JOUR 18A, MUS 21, CSIS 7, CSIS 71, OR CSIS 77. or possess equivalent skills from any one of the following areas: digital media, computer graphics, digital print, film, TV/video, journalism (publishing), drawing or illustration, web design/ development, business/marketing, or programming.

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CSIS 120  Lec   BU110 E Milar  1.0  M  1250-0210  

CSIS 121  Lec   BU110 T Ratchford  1.0  T  0600-0905  

CSIS 122  Lab   BU110 S Gaffney  0.5  T  0600-0720  

CSIS 124  Lec   BU111 E Milar  1.0  T  1250-0220  

CSIS 126  Lec   BU111 E Milar  2.0  M  1250-0210  

CSIS 128  Lec   BU111 J Conrey  2.0  R  1120-0210  

CSIS 129  Lec   BU110 E Venable  1.0  

CSIS 132  Lab   BU110 S Gaffney  1.0  T  0600-0905  

CSIS 133  Lab   BU110 S Gaffney  0.5  T  0600-0905  

CSIS 134  Lab   BU110 S Gaffney  1.0  T  0600-0905  

CSIS 137  Lec   BU111 E Milar  1.0  T  1250-0220  

CRN    Type   Room    Instructor               Units  Days       Times Dates  
CSIS 126  Lec   BU111 E Milar  2.0  M  1250-0210  

CSIS 128  Lec   BU111 J Conrey  2.0  R  1120-0210  

CSIS 132  Lec   BU111 J Conrey  2.0  R  1120-0210  

CSIS 134  Lec   BU111 J Conrey  2.0  W  1120-0210  

CSIS 178  Lec   BU118 M Ramos  4.0  M  0600-0950  

ONLINE CLASSES: You must have an email account to take this course. Start your course by going to http://www.gavilan.edu/disted. Unless you have made prior arrangements with the instructor, you MUST log on by 11:59 pm on the first day of the course. Late adds must login within 24 hours of adding this course. If you miss the deadline you may be dropped. For help, contact your instructor or email disted@gavilan.edu.

www.gavilan.edu ● Gavilan College 35
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**CSIS 183 Introduction to Microsoft Servers**
Transferable: CSU

This course introduces students to the fundamentals of Microsoft Server setup and administration. Topics include managing file systems (including Active Directories), devices, user accounts, backups, and basic security. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 182.

40825 | L/L   | BU118  | M Ramos              | 4.0   | W          | 0600-0950 |           |

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**CSIS 570 Computer Access Evaluation**
Transferable: No

This course is intended to provide an in-depth computer access evaluation in order to determine an appropriate access environment for a student with a disability or multiple disabilities. This is a pass/no pass course. May be repeated as necessary based on measurable progress as documented in the Student Educational Contract. This is an open entry, open exit course. ADVISORY: This course is intended for students with a verified disability who show a need for the use of adaptive computer programs and/or equipment.

40149 | Lab   | LI105  | J Maringer-Cantu     | .5    | MW         | 1250-0210 |           |

**CSIS 571B Intermediate Assistive Computer Instruction Lab**
Transferable: No

The Assistive Computer Instruction Lab (Intermediate) is designed for students who are eligible for Disability Services. The course is designed to improve basic academic skills and/or cognitive processes through the use of appropriate software or to learn adaptive devices to make computers accessible. Course content is based on Student Educational Contracts which are developed for each student. This is a pass/no pass course. May be repeated as necessary based on measurable progress as documented in the Student Educational Contract. ADVISORY: This course is intended for students with a verified disability or demonstrated academic deficit who show a need for the use of adaptive computer programs and/or equipment.

40156 | Lab   | LI105  | J Maringer-Cantu     | .5    | Open Entry/Open Exit |           |           |
40157 | Lab   | LI105  | J Maringer-Cantu     | 1.0   | Open Entry/Open Exit |           |           |
40158 | Lab   | LI105  | J Maringer-Cantu     | 2.0   | Open Entry/Open Exit |           |           |

**CSIS 570A Introduction to Assistive Computer Instruction Lab**
Transferable: No

The Assistive Computer Instruction Lab (Intro) is designed for students who are eligible for Disability Services. The course is designed to improve basic academic skills and/or cognitive processes through the use of appropriate software or to learn adaptive devices designed to make computers accessible. Course content is based on Student Educational Contracts which are developed for each student. This is a pass/no pass course. May be repeated as necessary based on measurable progress as documented in the Student Educational Contract. This is an open entry, open exit course. ADVISORY: This course is intended for students with a verified disability or demonstrated academic deficit who show a need for the use of assistive computer programs and/or equipment.

40119 | Lab   | LI105  | J Maringer-Cantu     | .5    | Open Entry/Open Exit |           |           |
40120 | Lab   | LI105  | J Maringer-Cantu     | 1.0   | Open Entry/Open Exit |           |           |
40140 | Lab   | LI105  | J Maringer-Cantu     | 2.0   | Open Entry/Open Exit |           |           |

**COS 200 Beginning Cosmetology**
Transferable: No

Fundamental principles of the science/art of beauty culture including hair design, chemical services and cosmetic therapy. ADVISORY: Eligible for English 250, 260 and Mathematics 205.

40442 | L/L   | BU103  | N Boyd               | 12.0  | TWRF       | 0810-0930 |           |
40442 | L/L   | COS102 | N Boyd               | 12.0  | TWRF       | 0935-0330 |           |

**COS 201 Intermediate Cosmetology**
Transferable: No

Extended studies and techniques in tinting, bleaching, permanent waving, soft perming, chemical straightening, pedicuring, waxing, and shaping and styling. ADVISORY: Satisfactory completion of Cosmetology 200. Eligible for English 250, 260 and Mathematics 205.

40445 | L/L   | COS102 | M Andre              | 12.0  | TWRF       | 0810-0330 |           |

**COS 202 Advanced Cosmetology**
Transferable: No

Advanced techniques in tinting, lightening, hair design and cosmetic chemistry. PREREQUISITE: Completion of COS 200 & 201. ADVISORY: Eligible for English 250, 260 and Mathematics 205.

40520 | L/L   | COS102 | G Ramirez            | 12.0  | TWRF       | 0810-0330 |           |
DIGITAL MEDIA

DM 6 Web Page Authoring I
Transferable: CSU; GAV-GE.E2

An introduction to using Hypertext Mark-Up Language (HTML) and Extensible HTML (XHTML) to create web pages which can be uploaded and displayed on the World Wide Web. Students will use HTML/XHTML to create web pages with text in various sizes and colors, links to other sites, background color or patterns, graphics, tables and mailto links. Principles of design and color as they apply to screen presentations will be included. This course has the option of a letter grade or pass/no pass. Also listed as CSIS 6 and LIB 6. ADVISORY: CSIS 1 or CSIS 2 or CSIS 3/LIB 3 advised.

40714 Online  J Howell  2.0  01/27/14 - 03/23/14
40719 Online  J Howell  2.0  03/10/14 - 05/04/14

DM 23 Independent Study
Transferable: CSU

Designed to afford selected students specialized opportunities for exploring areas at the independent study level. The courses may involve extensive library work, research in the community, or special projects. May be repeated until six units of credit are accrued. This course has the option of a letter grade or pass/no pass. REQUIRED: The study outline prepared by the student and the instructor must be filed with the department and the dean.

40709 Ind  LI128  R Beede  2.0
40710 Ind  LI128  R Beede  1.0

DM 74 Advanced PhotoShop
Transferable: CSU; GAV-GE.C1

This is an intermediate level course in mastering Adobe’s PhotoShop software. Students will learn advanced strategies in professional digital editing. Students will apply creative techniques for print, video, animation and the web. Students will develop skills in luminance, color and exposure to optimize images with adjustment layers and masks, and cutting-edge selection techniques. There will be a focus in post processing for landscape, portrait and panoramic imaging suited for the artist, photographer and design student. This course has the option of a letter grade or pass/no pass. This course is also listed as CSIS 74. ADVISORY: DM/ART/CSIS 75 PhotoShop I

40834 Lec  MHG  R Grzan  3.0  R 0600-0905

DM 75 Photoshop I - Adobe PhotoShop
Transferable: CSU; GAV-GE.C1

This is an entry level course in mastering Adobe’s PhotoShop software. Students will learn creative and fundamental processes in professional digital image editing. Hands on lessons provide students with skills to manage today’s image libraries. Students will be introduced to Photoshop’s Bridge and Camera Raw utilities while crafting state of the art compositions for print, video, animation and the web. There is a focus on basic tonal and color adaptations, digital painting, black and white conversion, special effects, and correction and restoration techniques. This course has the option of a letter grade or pass/no pass. This course is also listed as CSIS 75. ADVISORY: CSIS 124 (Windows Fundamentals), CSIS 2L

40685 Lec  MHG5  TBA  3.0  T 0600-0905
Above class meets at Morgan Hill Community site.
40908 Lec  LI128  K Powers  3.0  M 0400 - 0655

DM 74 Advanced PhotoShop
Transferable: CSU; GAV-GE.C1

Advanced techniques in tinting, lighting, hair and design and cosmetic chemistry. PREREQUISITE: Completion of COS 200, 201 and 202. ADVISORY: Eligible for English 250. 260 and Mathematics 205. Approximate cost for course materials is $400.00. Contact Delva Zamarron at (408)848-4884 for a complete list of materials.

40523 Lab  COS102 G Ramirez  .5  TWRF  0810-0330
40524 Lab  COS102 G Ramirez  1.0  TWRF  0810-0330
40525 Lab  COS102 G Ramirez  2.0  TWRF  0810-0330
40530 Lab  COS102 G Ramirez  3.0  TWRF  0810-0330
40531 Lab  COS102 G Ramirez  4.0  TWRF  0810-0330
40532 Lab  COS102 G Ramirez  5.0  TWRF  0810-0330
40533 Lab  COS102 G Ramirez  6.0  TWRF  0810-0330
40534 Lab  COS102 G Ramirez  7.0  TWRF  0810-0330
40535 Lab  COS102 G Ramirez  8.0  TWRF  0810-0330
40536 Lab  COS102 G Ramirez  9.0  TWRF  0810-0330
40537 Lab  COS102 G Ramirez  10.0  TWRF  0810-0330
40538 Lab  COS102 G Ramirez  11.0  TWRF  0810-0330
40539 Lab  COS102 G Ramirez  12.0  TWRF  0810-0330

DM 76 Digital Illustration
Transferable: CSU; GAV-GE.C1

Illustration techniques using computer Bezier curve-based illustration software tools to do diagrams and graphics for use in art, desktop publishing, web graphics, multimedia, and computer presentations. This basic Illustrator course is focused on the technical and historical aspects of digital design and illustration as well as the development of personal artistic expression and visual perception through the use of the digital illustration medium. The course will include lectures and discussions about color, composition and content, computer and illustration program use, printing and presentation techniques. This course has the option of a letter grade or pass/no pass. This course is also listed as DM 76. ADVISORY: CSIS 1 or CSIS 2 or equivalent computer experience.

40904 L/L  LI128  T Mann  3.0  F 0100-0350

DM 77 Introduction to Digital Media and its Tools
Transferable: CSU; UC; GAV-GE.C1

An introduction to the field of digital media, including history, social impact, concepts, career options and industry trends. Applying learned visual and aural design principles, students will explore the use of computer-based tools in the design and production of digital media by creating and editing digital images, sounds, video, animation, and text. A comprehensive term project for publication on the web or CD ROM will be required. This course is also listed as CSIS 77. This course has the option of a letter grade or pass/no pass. ADVISORY: CSIS 124, CSIS 1, CSIS 2L, CSIS 3, or familiarity using the Macintosh or Windows operating system.

40687 L/L  LI128  R Beede  3.0  TR 1030-1250
### Digital Media

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**DM 107 Digital Media Design**  
**Transferable:** CSU  
Fundamentals of design for visual, time-based, interactive, and sound arts as applied to digital media. Includes basic storytelling, graphical design, information architecture, and human factors. Page layout, scriptwriting, storyboards, and flow charts will be used as tools applicable to the design and development of business presentations, interactive media, educational multimedia, animation, web sites, video games, and film/video. This course has the option of a letter grade or pass/no pass. Also listed as CSIS 107. ADVISORY: CSIS 1 or CSIS 2/2L or equivalent computer experience.

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### DM 114 Digital Media Production  
**Transferable:** CSU  
A team oriented practicum that focuses on the application of learned skills to the production of digital media and digital print projects, such as web sites, CD-ROM, and DVDs. Project development will be accomplished according to team derived master schedules. Lectures will be on project management, work coordination and production techniques, client-team interface, asset management and integration, budget estimates, testing, and copyright infringement. Please note that this is very much a team oriented class. This course has the option of a letter grade or pass/no pass. Also listed as CSIS 107. ADVISORY: CSIS 1 or CSIS 2/2L or equivalent computer experience.

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### DM 117 Visual Effects-Motion Graphics  
**Transferable:** CSU, UC  
Study of the design of motion graphics and special effects used in digital video and film, web, multimedia, and interactive games. Includes video/Graphics compositing techniques, 2D animation, basic 3D animation, and special effects commonly generated in digital post-production. Software such as Adobe After Effects or Apple’s Motion will be used. This course has the option of a letter grade or pass/no pass. This course is also listed as CSIS 117. ADVISORY: DM/ART/CSIS 113 or DM/ART/CSIS 140 or DM/ART/CSIS 77 or THEA 17A or basic knowledge of digital video/film editing.

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### ECOL 1 Conservation of Natural Resources  
**Transferable:** CSU, UC; CSU-GE:B2, B3, IGETC:5B, 5C; GAV-GE:B2, B3  
This course examines the fundamentals of ecology (the study of the relationships between organisms and their environment) with special emphasis on human effects on the environment. Topics of discussion will include ecosystem dynamics, resources, pollution, population growth, and the clash between economic and political policy and the environment. ADVISORY: Eligible for English 250 and English 260.

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### ECON 1 Principles of Macroeconomics  
**Transferable:** CSU, UC; CSU-GE:D2, IGETC:4B; GAV-GE:D2; CAN:ECON2  
Introduction to the principles of macroeconomic analysis, economic institutions, and economic policy; supply and demand, determinants and distribution of output, income, and welfare through the market system; international trade and globalization. Measurement, determinants of, and policies relating to long-run economic growth, business cycle fluctuations, unemployment, and inflation. This course has the option of a letter grade or pass/no pass. PREREQUISITE: MATH 430 or MATH 205.

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### ECON 2 Principles of Microeconomics  
**Transferable:** CSU, UC; CSU-GE:D2, IGETC:4B; GAV-GE:D2; CAN:ECON4  
Introduction to microeconomic principles, theory, and analysis. Topics include scarcity and resource allocation, specialization and exchange, and the determinants and distribution of output, income, and welfare through the market system, as well as elasticity, production and cost theory, and market failure caused by externalities and asymmetric information. Includes consumer choice and utility maximization, as well as profit maximization in various competitive settings. This course has the option of a letter grade or pass/no pass. PREREQUISITE: MATH 430 or MATH 205.

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<td>J Kearns</td>
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### ENGR 1 Graphical Communication and Design  
**Transferable:** CSU, UC; CAN:ENGR2  
An introduction to the graphical and visual communication of the engineering design process. Topics will include the design process, visualization, free-hand sketching, instrument drawing, scales, orthographic projection, section views, auxiliary views, and dimensioning and tolerancing. Computer based drafting will be used in conjunction with traditional methods to highlight the strengths of multiple communication methodologies. ADVISORY: MATH 1A; may be concurrent.

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### ENGR 3 Electric Circuit Analysis  
**Transferable:** CSU, UC; CAN:ENGR12  
An introduction to the theory of electric circuits. Topics include resistive circuits, voltage and current sources, network theorems, op-amp circuits, energy storage elements, RC, RL, and RLC circuits. PREREQUISITE: Mathematics 2C (may be taken concurrently) and Physics 4B with a grade of ‘C’ or better.

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**For more information, please contact Russell Lee, Engineering Instructor, at rlee@gavilan.edu.**