

A. NAME OF AGENDA ITEM

Consideration and approval of new or revised courses and programs.

B. STATEMENT OF ISSUE/PURPOSE

1. Background and Purpose:

Sections 55002, 55130 and 55150 of Title 5 requires the local district governing board approve degree-applicable credit courses, nondegree-applicable credit courses, noncredit courses, community services offerings, and credit and noncredit programs.

The following curriculum changes are proposed for the San Diego Community College District for City College, Mesa College, Miramar College or Continuing Education:

Administration of Justice

Adoption of a course deactivation at Miramar College. **(Attachment A)**

American Sign Language/Interpreting

Adoption of a course deactivation at Mesa College. **(Attachment B)**

Automotive Technology

Adoption of three course deactivations at Miramar College. **(Attachment C)**

Communications

Adoption of seven new courses at Continuing Education. **(Attachment D)**

Computer and Information Sciences

Adoption of a course deactivation at Miramar College. **(Attachment E)**

Fire Protection Technology

Adoption of a new course at Miramar College. **(Attachment F)**

Fire Protection Technology

Adoption of three course deactivations at Miramar College. **(Attachment G)**

American Sign Language Studies/ASL-English Interpretation

Adoption of a program revision at Mesa College. **(Attachment H)**

Computer and Information Technology

Adoption of a new program at Continuing Education. **(Attachment I)**

Computer Business Technology

Adoption of a new program at City College. **(Attachment J)**

Otto W. K. Lee, Ed.D.  
Vice Chancellor  
Instructional Services

B. STATEMENT OF ISSUE/PURPOSE (continued)

1. Background and Purpose: (continued)

Computer Information Systems

Adoption of a new program at City College. (**Attachment K**)

Health Information Technology

Adoption of a new program at Mesa College. (**Attachment L**)

Spanish

Adoption of a new program at Mesa College. (**Attachment M**)

2. Cost and Funding

There is no additional cost to the District.

C. PROPOSAL

The Board of Trustees hereby grants authority to take the action outlined in Part A.

ACTION

Adoption of a course deactivation at Miramar College.

Proposed course deactivation at Miramar College:

**85 Public Safety Program**

**88 - 99 hours lecture, 5.5 units**

**Grade Only**

*Advisory:* English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5 and R5.

This course provides high school students an overview of the criminal justice system. It emphasizes law enforcement procedures and techniques. Students learn about the principles and components that affect modern law enforcement, such as criminal law, juvenile law, search and seizure, laws of arrest, evidence, first aid, narcotics, gangs, and report writing. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a course deactivation at Mesa College.

Proposed course deactivation at Mesa College:

**108 Fingerspelling for Interpreters**  
**32 - 36 hours lecture, 2 units**  
**Grade Only**

*Advisory:* American Sign Language/Interpreting 116 and American Sign Language/Interpreting 116L, each with a grade of "C" or better, or equivalent.

*Advisory: Concurrent enrollment in:* American Sign Language/Interpreting 215 and American Sign Language/Interpreting 215L, each with a grade of "C" or better, or equivalent.

This course is an intermediate-level study of the American Fingerspelled Signs. Emphasis is placed on the application of Fingerspelled Signs in the interpretation process. Students participate in extensive drills and practice in expressive and receptive skills that may include the use of Fingerspelled Signs in voice to sign and sign to voice interpreting. This course is intended for American Sign Language (ASL) Studies and ASL-English Interpretation majors pursuing employment or a career in the Deaf community. (FT) Associate Degree Credit & transfer to CSU.

Automotive Technology

ACTION

Adoption of three course deactivations at Miramar College.

Proposed course deactivations at Miramar College:

**51A Quick Service Lube, Pre-Delivery  
Inspection Technician Module I**  
**12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1  
units**  
**Grade Only**

*Advisory:* Automotive Technology 53 or Automotive Technology 53A, Automotive Technology 53B and Automotive Technology 53C , each with a grade of "C" or better, or equivalent; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

*Advisory: Completion of or concurrent enrollment in English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Level W4.*

*Limitation on Enrollment:* This course is not open to students with previous credit for Automotive Technology 51.

This first course in a three course series introduces students to automotive quick services and new/used vehicle preparation. Topics include safety considerations, hazardous materials (HazMat) regulations, vehicle inspections, and preparing estimates and repair orders. Students also learn how to identify and operate necessary equipment and tools. This course is intended for students majoring in automotive technology or others interested in developing automotive service skills. (FT) Associate Degree Credit only and not Transferable.

**51B Quick Service Lube, Pre-Delivery  
Inspection Technician Module II**  
**12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1  
units**  
**Grade Only**

*Advisory:* Automotive Technology 51A and Automotive Technology 53 or Automotive Technology 53A, Automotive Technology 53B and Automotive Technology 53C , each with a grade of "C" or better, or equivalent; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

*Advisory: Completion of or concurrent enrollment in English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Level W4.*

*Limitation on Enrollment:* This course is not open to students with previous credit for Automotive Technology 51.

This third course in a three course series provides an overview of vehicle road testing procedures. Topics include road testing techniques, vehicle operation, and systems evaluations. This course is intended for students majoring in automotive technology or others interested in developing automotive service skills. (FT) Associate Degree Credit only and not Transferable.

**51C Quick Service Lube, Pre-Delivery  
Inspection Technician Module III  
4 - 4.5 hours lecture, 36 - 40.5 hours lab, 1 units  
Grade Only**

*Advisory:* Automotive Technology 51A, Automotive Technology 51B and Automotive Technology 53 or Automotive Technology 53A, Automotive Technology 53B and Automotive Technology 53C, each with a grade of "C" or better, or equivalent; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

*Advisory: Completion of or concurrent enrollment in* English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Level W4.

*Limitation on Enrollment:* This course is not open to students with previous credit for Automotive Technology 51.

This third course in a three course series provides an overview of vehicle road testing procedures. Topics include road testing techniques, vehicle operation, and systems evaluations. This course is intended for students majoring in automotive technology or others interested in developing automotive service skills. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of seven new courses at Continuing Education.

Proposed new courses at Continuing Education:

**641 Web Programming Beginning**

*Advisory:* Completion of Interactive Multi-Media Program or equivalent.

This course includes an overview of the internet, components of a website and introduces web programming using HTML. Topics include, current web technologies, website development tools, basic web programming skills and hand coding of a website. Students will learn to publish projects and sites to the web and utilize cascading style sheets for web page layout and formatting. Current industry standards, processes and techniques are also taught. (FT)

**642 User Interface Design**

*Advisory:* Completion of Interactive Multi-Media Program or equivalent.

This course introduces pre-planning tools and strategies of preliminary web development utilizing user interface design. Students will learn how to create wireframes, site maps, storyboards and the difference between user interface and user experience. Topics include usability, content strategy and incorporating user experience into a website. Learning how to define the needs and goals of a target audience and determining the range of required features and functionality of a website are covered. (FT)

**643 Design Principles**

*Advisory:* Completion of Interactive Multi-Media Program or equivalent.

This course focuses on techniques and design principles that are specific to web design. Students will learn design fundamentals as they pertain to producing an interactive end product including optimized graphics and content, static web comps, usability, scalable vector graphics, responsive design, accessibility, and originality. This course will help students to create professional, aesthetically pleasing websites with the end goal of usability in mind. (FT)

**644 Web Programming Intermediate**

*Advisory:* Completion of Front End Web Developer I Program or equivalent.

This course incorporates Java Script and jQuery into the web development process. Students will learn how these programs can enhance a webpage, allowing additional interactivity and more precise control of page elements. More advanced techniques used in creating a website and making the content more dynamic will be taught. Several other program languages will be introduced that can further enhance web-based projects. (FT)

**645 Content Management Systems**

*Advisory:* Completion of Front End Web Developer I Program or equivalent.

This course defines content management systems (CMS) and explains their role in web site development. Students will learn how to create web pages and posts, alter the look and feel of a site through themes and widgets, utilize plugins to enhance site functionality and add security to a CMS based site. Other topics include building a custom theme from scratch, incorporating jQuery and cascading style sheets to fully control the functionality of the site and how to install and set-up a CMS on a local environment. (FT)

**646 Responsive Web Design**

*Advisory:* Completion of Front End Web Developer I Program or equivalent.

This course introduces the student to responsive web design for websites that automatically adapt their layout to various screen sizes, orientations, resolutions and work on multiple devices. Topics include planning, building, testing and creating navigation that is specific for a responsive website. Students will learn how to create a single website and customize the display for desktop and mobile devices. Students will incorporate a variety of media into a website for optimized delivery and use on various devices. (FT)

**647 Website Promotion**

*Advisory:* Completion of Front End Web Developer Program I, or equivalent.

This course introduces promotion of a website through search engine optimization (SEO) to increase a website's visibility. Basic optimization strategies, such as conducting keyword research, building inbound links, and optimizing your pages and content are included. Students will learn how to read a search engine results page, find its ranking and see how rankings can affect a business. Learn website promotion through social media and how to leverage social media tools to grow a brand and drive site traffic. (FT)



ACTION

Adoption of a course deactivation at Miramar College.

Proposed course deactivation at Miramar College:

**71 MicroController Programming**

**48 - 54 hours lecture, 48 - 54 hours lab, 4 units**

**Grade Only**

*Advisory:* English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

This course introduces students to programming and interfacing microcontrollers to the world around them. Topics include programming a microcontroller to respond to inputs and to control various devices, such as LEDs, fans, servos, and relays. This course is designed for students who want to increase their understanding of microcontrollers and embedded programming. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a new course at Miramar College.

Proposed new course at Miramar College:

**330A Fire Prevention I**

**32 - 36 hours lecture, 0.5 units**

**Grade Only**

*Advisory:* English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

This course provides an overview of fire prevention codes and ordinances, inspection practices, and key hazards. Topics include the Fire Company Officer's role in fire prevention, the relationship between life safety and building construction, the elements of a quality company inspection program, and how to address complex hazards encountered during an inspection. This course is part of the California State Fire Training curriculum. It is intended for current firefighters seeking training as entry-level Fire Company Officers. (FT) Associate Degree Credit only and not Transferable.

## Fire Protection Technology

### ACTION

Adoption of three course deactivations at Miramar College.

Proposed course deactivations at Miramar College:

#### **202A Fire Prevention IA**

**32 - 36 hours lecture, 2 units  
Grade Only**

*Advisory:* English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

*Limitation on Enrollment:* This course is not open to students with previous credit for Fire Technology 227 or Fire Protection Technology 227.

This course provides a broad, technical overview of fire prevention codes and ordinances, inspection practices, and key hazards. Topics include flammable and combustible liquids and gases, explosives, fireworks, and extinguishing systems. This course is part of the California State Fire Academy curriculum. (FT) Associate Degree Credit & transfer to CSU.

#### **202B Fire Prevention IB**

**32 - 36 hours lecture, 2 units  
Grade Only**

*Prerequisite:* Fire Protection Technology 202A with a grade of "C" or better, or equivalent.

*Advisory:* English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

*Limitation on Enrollment:* This course is not open to students with previous credit for Fire Technology 228 or Fire Protection Technology 228.

This course focuses on the codes and statutes that pertain to fire prevention practices in California. Topics include building construction and occupancy, evacuation procedure, inspection reports, and processing plans. This course is part of the California State Fire Academy curriculum. (FT) Associate Degree Credit & transfer to CSU.

#### **202C Fire Prevention IC**

**28 - 31.5 hours lecture, 12 - 13.5 hours lab, 2  
units  
Grade Only**

*Prerequisite:* Fire Protection Technology 202B with a grade of "C" or better, or equivalent.

*Advisory:* English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

*Limitation on Enrollment:* This course is not open to students with previous credit for Fire Technology 248 or Fire Protection Technology 248.

This course focuses on the special hazards associated with flammable and combustible liquids and gases. Topics include bulk handling and storage, transportation of flammable gases and liquids, regional and national codes, and methods of control and enforcement. This course is part of the California State Fire Academy curriculum. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a program revision at Mesa College.

Proposed program revisions at Mesa College:

**Certificate of Achievement  
ASL-American Sign Language—  
English Interpretation**

<b>Courses Required for the Major:</b>	<b>Units</b>
AMSL 150 Introduction to Deaf Culture.....	3
AMSL 155 Implications of Deafness .....	3
AMSL 205 Interpreting Skills I.....	3
AMSL 206 Interpreting Skills II .....	3
AMSL 207 Sign to Voice Interpreting I.....	3
AMSL 208 Sign to Voice Interpreting II.....	3
AMSL 209 Professional Aspects of Interpreting.....	3
AMSL 210 Introduction to Specialized Settings .....	3
AMSL 214 American Sign Language Fingerspelled Signs.....	3
AMSL 225 Introduction to Linguistics of American Sign Language.....	3
AMSL 230 Interpretation I.....	4
AMSL 235 Professional Aspects of Interpretation.....	3
AMSL 240 Interpretation II.....	4
AMSL 245 Specialized Settings in Interpretation.....	3
AMSL 250 Interpretation III .....	4
AMSL 255 Interpretation IV .....	4
AMSL 276 Field Work in Interpretation .....	3

**Total Units = ~~33~~ 37**

**Associate in of Arts  
ASL-American Sign Language—  
English Interpretation**

<b>Courses Required for the Major:</b>	<b>Units</b>
AMSL 150 Introduction to Deaf Culture .....	3
AMSL 155 Implications of Deafness .....	3
AMSL 205 Interpreting Skills I.....	3
AMSL 206 Interpreting Skills II .....	3
AMSL 207 Sign to Voice Interpreting I.....	3
AMSL 208 Sign to Voice Interpreting II.....	3
AMSL 209 Professional Aspects of Interpreting .....	3
AMSL 210 Introduction to Specialized Settings .....	3
AMSL 214 American Sign Language Fingerspelled Signs.....	3
AMSL 225 Introduction to Linguistics of American Sign Language.....	3
AMSL 230 Interpretation I.....	4
AMSL 235 Professional Aspects of Interpretation.....	3
AMSL 240 Interpretation II.....	4
AMSL 245 Specialized Settings in Interpretation.....	3
AMSL 250 Interpretation III .....	4
AMSL 255 Interpretation IV .....	4
AMSL 276 Field Work in Interpretation.....	3

**Total Units = ~~33~~ 37**

## Computer and Information Technology

Pursuant to Section 78016 of the Education Code, the following is a program review summary:

### Certificates of Completion Front End Developer I and Front End Developer II Program

- A. Labor Market Information<sup>1</sup>: The annual average number of persons employed in the Front End Developer program area is 42,100 in the 2010 employment year. Approximately 10,400 new job openings are projected through 2010-2020.
- B. Duplication<sup>2</sup>: UCSD Extension College, Cuyamaca College and Mesa College.
- C. Effectiveness<sup>3</sup>: Program area OR the projected enrollment of 84 for the 2014-2015 year in the new program area.

1. Labor Market Information and Employment Development Department, California.
2. Web, Institution's Class Schedules, and Catalogs.
3. Current Enrollment Data and Program Chair Career Technical Education, Continuing Education.

### ACTION

Adoption of a new program at Continuing Education.

Proposed new programs Continuing Education:

### **Certificate of Completion Front End Web Developer I**

#### **Required Courses:**

COMM 641 Web Programming Beginning  
COMM 642 User Interface Design  
COMM 643 Design Principles

### **Certificate of Completion Front End Web Developer II**

#### **Required Courses:**

COMM 644 Web Programming Intermediate  
COMM 645 Content Management Systems  
COMM 646 Responsive Web Design  
COMM 647 Website Promotion

Computer Business Technology

Pursuant to Section 78016 of the Education Code, the following is a program review summary:

Certificate of Achievement Business Information Worker Program

- A. Labor Market Information<sup>1</sup>: The annual average number of persons employed in the Business Information Worker program area is 73,800 in San Diego County in the 2014 employment year. Approximately 29,160 new job openings are projected through 2010-2020.
- B. Duplication<sup>2</sup>: None.
- C. Effectiveness<sup>3</sup>: Program area OR the projected enrollment of 60 for the 2014-2015 year in the new program area.

- 1. California Employment Development Department Industry Employment Data and California Employment Development Department Labor Market Information Division, report titled "2010-2020 Occupations With the Most Openings."
- 2. 2013-14 catalogs and Region 10 Community Colleges websites.
- 3. City College Departmental Enrollment Tallies.

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Achievement  
Business Information Worker**

<b>Courses Required for the Major:</b>	<b>Units</b>
BUSE 119 Business Communications.....	3
BUSE 150 Human Relations in Business.....	3
CBTE 094 Introduction to Computer Keyboarding <b>or</b>	
CBTE 095 Keyboarding Skill Development .....	1
CBTE 114 Introduction to Microsoft Windows .	1
CBTE 120 Beginning Microsoft Word.....	2
CBTE 140 Microsoft Excel .....	2
CBTE 164 Introduction to Microsoft Outlook ...	1
CISC 150 Introduction to Computer and Information Sciences <b>or</b>	
CISC 181 Principles of Information Systems..	3-4

**Total Units = 16-17**

Computer Information Systems

Pursuant to Section 78016 of the Education Code, the following is a program review summary:

Certificate of Achievement Desktop Support Technician II Program

- A. Labor Market Information<sup>1</sup>: The annual average number of persons employed in the Desktop Support Technician program area is 6,000 in San Diego County in the 2014 employment year. Approximately 2,790 new job openings are projected through 2010-2020.
- B. Duplication<sup>2</sup>: None.
- C. Effectiveness<sup>3</sup>: Program area OR the projected enrollment of 35 for the 2014-2015 year in the new program area.

- 1. California Employment Development Department Industry Employment Data and California Employment Development Department Labor Market Information Division, report titled "2010-2020 Occupations With the Most Openings."
- 2. 2013-14 catalogs; Region 10 Community Colleges websites.
- 3. City College Departmental Enrollment Tallies.

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Achievement  
Desktop Support Technician II**

<b>Courses Required for the Major:</b>	<b>Units</b>
INWT 100 Survey of Operating Systems .....	4
INWT 110 Desktop Support Technician I.....	3
INWT 120 Network + Training.....	4
INWT 140 Security+ Certification Training .....	3

**Total Units = 14**

Health Information Technology

Pursuant to Section 78016 of the Education Code, the following is a program review summary:

Certificate of Achievement Coding Specialist Program

- A. Labor Market Information<sup>1</sup>: The annual average number of persons employed in the Coding Specialist program area is 1630 in San Diego County in the 2010 employment year. Approximately 360 new job openings are projected through 2020.
- B. Duplication<sup>2</sup>: None.
- C. Effectiveness<sup>3</sup>: Program area OR the projected enrollment of 20 for the 2014-2015 year in the new program area.

- 1. California Employment Development Department, Labor Market Information.
- 2. American Health Information Management Association.
- 3. San Diego Regional Economic Development Corporation.

ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

**Certificate of Achievement  
Coding Specialist**

<b>Courses Required for the Major:</b>	<b>Units</b>
MEDA 055 Fundamentals Human Anatomy and Physiology .....	3
MEDA 110 Medical Terminology .....	3
MEDA 115 Pathophysiology.....	3
HEIT 075 Computer Basics for Health Information Technology .....	1
HEIT 110 Introduction to Health Information....	4
HEIT 130 Basic Pharmacology .....	1
HEIT 155A ICD Coding I .....	4
HEIT 155B ICD Coding II .....	4
HEIT 155C Current Procedural Terminology (CPT) Coding.....	3
HEIT 205 Health Law, Accreditation and Licensing Standards .....	3

**Total Units = 29**



ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

**Associate in Arts in Spanish for  
Transfer Degree**

<b>Courses Required for the Major:</b>	<b>Units</b>
SPAN 101 First Course in Spanish.....	5
SPAN 102 Second Course in Spanish .....	5
SPAN 201 Third Course in Spanish <b>or</b>	
SPAN 215 Spanish for Spanish Speakers I .....	5
SPAN 202 Fourth Course in Spanish <b>or</b>	
SPAN 216 Spanish for Spanish Speakers II.....	5

**Category A: Select one of the following  
courses (3 units):**

<b>Units</b>
SPAN 210 Conversation and Composition
Spanish I.....
Spanish II .....
CHIN 101 First Course in Mandarin Chinese ....
CHIN 102 Second Course in Mandarin
Chinese .....
CHIN 201 Third Course in Mandarin Chinese...
CHIN 202 Fourth Course in Mandarin
Chinese .....
FREN 101 First Course in French .....
FREN 102 Second Course in French.....
FREN 201 Third Course in French.....
FREN 202 Fourth Course in French.....
GERM 101 First Course in German .....
GERM 102 Second Course in German.....
GERM 201 Third Course in German.....
ITAL 101 First Course in Italian .....
ITAL 102 Second Course in Italian.....
ITAL 201 Third Course in Italian.....
JAPN 101 First Course in Japanese.....
JAPN 102 Second Course in Japanese .....
JAPN 201 Third Course in Japanese .....
JAPN 202 Fourth Course in Japanese .....
LATI 101 First Course in Latin.....
LATI 102 Second Course in Latin .....
RUSS 101 First Course in Russian.....
RUSS 102 Second Course in Russian .....
RUSS 201 Third Course in Russian .....
TAGA 101 First Course in Tagalog .....
VIET 101 First Course in Vietnamese.....
VIET 102 Second Course in Vietnamese .....
VIET 201 Third Course in Vietnamese .....
ACCT 116A Financial Accounting .....

CBTE 180 Microsoft Office .....	3
CISC 150 Introduction to Computer and Information Sciences .....	3
COMS 135 Interpersonal Communication .....	3
ENGL 105 Composition and Literature .....	3
ENGL 205 Critical Thinking and Intermediate Composition .....	3
PHIL 205 Critical Thinking and Writing in Philosophy .....	3

**Total Units = 23**