11. New Business

Subject	**F. Curriculum**
Meeting	Apr 10, 2018 - Board of Trustees Regular Meeting
Access	Public
Type	Action
Recommended Action	Review and Approve the Recommendations of the Curriculum Committee

Proposal:
That the Board review and approve the recommendations of the Curriculum Committee as reflected in the attached Curriculum Summary.

Background:
The Curriculum Summary lists courses and programs approved by the Curriculum Committee.

Budgetary Implications:
None.

Follow Up/Outcome:
Curriculum modifications are incorporated into the college schedule and catalog.

Recommended By: Dr. Kathleen A. Rose, Superintendent/President

File Attachments
2018_04_10_CurrBoardSummary.doc (93 KB)

APPROVED BY THE BOARD OF TRUSTEES
DATE April 10, 2018

Board of Trustees
Curriculum Summary
April 10, 2018

CONSENT AGENDA

Deactivate Course
MATH 205 Elementary Algebra (Spring 2015), 5 Units, 5 Lec, 0 Lab
Description:
This course is a standard beginning algebra course, including algebraic expressions, linear equations and inequalities in one variable, graphing, equations and inequalities in two variables, integer exponents, use of a scientific calculator, polynomials, rational expressions and equations, radicals and rational exponents, and quadratic equations. Mathematics 205, 205A and 205B, and 206 have similar course content. This course may not be taken by students who have completed Mathematics 205B or 206 with a grade of "C" or better. This course may be taken for Mathematics 205B credit (2.5 units) by those students who have successfully completed Mathematics 205A with a grade of "C" or better. PREREQUISITE: MATH 402 with a grade of 'Pass' or with a 'C' or better, or assessment test recommendation.

Justification:
This course has been replaced by Math 430.

Deactivate Course
MATH 205A First Half of Elementary Algebra (Fall 2018), 2.5 - 2.5 Units, 4 Lec, 0 Lab
Description:
This course is the first half of the Elementary Algebra course. It will cover signed numbers, evaluation of expressions, ratios and proportions, solving linear equations, and applications. Graphing of lines, the slope of a line, graphing linear equations, solving systems of equations, basic rules of exponents, and operations on polynomials will be covered. PREREQUISITE: Math 402 with a grade of 'Pass' or with a 'C' or better, or assessment test recommendation. ADVISORY: Concurrent enrollment in Guidance 563A is advised.

Justification:
Course replaced by Math 430.

Deactivate Course
MATH 205B Second Half of Elementary Algebra (Fall 2018), 2.5 - 2.5 Units, 4 Lec, 0 Lab
Description:
This course contains the material covered in the second half of the Elementary Algebra Course. It will cover factoring polynomials, solving quadratic equations by factoring, rational expressions, radicals, and solving quadratic equations. In addition, the course will review applications involving linear equations of one and two variables, finding slopes and graphing

APPROVED BY THE BOARD OF TRUSTEES
DATE April 10, 2018

linear equations, solving systems of equations with two variables, and solving linear inequalities. Math 205, 205A and 205B, and 206 have similar course content. This course may not be taken by students who have completed Math 205 or 206 with a grade of 'C' or better. PREREQUISITE: Math 205A with a grade of 'C' or better. ADVISORY: Concurrent enrollment in Guidance 563B is advised.

Justification:
Replaced by Math 430.

Deactivate Course
MATH 233 Intermediate Algebra (Spring 2018), 5 Units, 5 Lec, 0 Lab
Description:
Review of basic concepts, linear equations and inequalities, graphs and functions, systems of linear equations, polynomials and polynomial functions, factoring, rational expressions and equations, roots, radicals, and complex numbers, solving quadratic equations, exponential and logarithmic functions, and problem solving strategies. Mathematics 233, 233A, and 233B have similar course content. This course may not be taken by students who have completed Mathematics 233B with a grade of 'C' or better. This course may be taken for Mathematics 233B credit (2.5) units by those students who have successfully completed Mathematics 233A with a grade of 'C' or better. PREREQUISITE: Mathematics 205 or Mathematics 205A and 205B or Mathematics 206 with a grade of 'C' or better. The instructor will be using and supporting TI-83 Plus graphing calculator in all classroom demonstrations.

Justification:
Replaced by Math 240.

Deactivate Course
MATH 233A First Half of Intermediate Algebra (Spring 2018), 2.5 - 2.5 Units, 4 Lec, 0 Lab
Description:
The course will start with a review of basic concepts and then cover the following topics with an emphasis on applications and problem solving strategies: solving linear and absolute value equations; solving linear and compound inequalities; equations and graphs of lines; functions and function notation including composition of functions; solving systems of linear equations and inequalities; operations with polynomials; factoring polynomials; and solving polynomial equations. PREREQUISITE: Completion of Mathematics 205 or the equivalent with a grade of 'C' or better.

Justification:
Replaced by Math 240.

Deactivate Course
MATH 233B Second Half of Intermediate Algebra (Fall 2018), 2.5 - 2.5 Units, 4 Lec, 0 Lab
Description:

This course will start with a review factoring polynomials, and then cover the following topics with an emphasis on applications and problem solving strategies: solving polynomial equations by factoring; adding, subtracting, multiplying, dividing and simplifying rational expressions and solving rational equations; adding, subtracting, multiplying, dividing and simplifying roots, radicals and complex numbers and solving radical equations; working with composition of functions and inverse functions, working with exponential and logarithmic functions, equations and expressions; employing various methods of solving quadratic equations and inequalities; and graphing quadratic functions. PREREQUISITE: Completion of MATH 233A with a grade of 'C' or better.

Justification:
Replaced by Math 240.

NEW COURSE PROPOSAL – SECOND READING

New Course - Second Reading
AMT 229 Advanced Drone Aerial Photography and Cinematography (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
This course is designed to teach a variety of skills in aerial photography and cinematography with drones, including: cinematic techniques during flight, video production techniques, 3D mapping, photographic techniques, panorama, video editing, and photo editing. Students will use software such as the DJI Go App, Adobe Photoshop CC, Adobe Premiere CC, Adobe Lightroom, and Pix4D Mapper Pro to create original content that showcases a variety of professional aerial projects. ADVISORY: AMT 227.

Justification:
This, along with several other new courses related to drone technology, is being developed to add to the college's drone program. Once enough courses have been developed a certificate and/or degree can be offered. This course is based on recommendations from experts in the field of drone technology and will augment our existing entry level drone aerial photography and videography class.

New Course - Second Reading
AMT 230 Data Acquisition, Mapping, and Surveys With Drones (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
This class covers drone technology data acquisition and analysis. Several different sensors and data analysis programs will be explored.

Justification:
This, along with several other new courses related to drone technology, is being developed to add to the college's drone program. Once enough courses have been developed a certificate

and/or degree can be offered. This course is based on recommendations from experts in the field of drone technology.

New Course - Second Reading
FRNH 2A Intermediate French (Fall 2018), 5 Units, 5 Lec, 0 Lab
Description:
In French 2A, students further develop skills acquired in first year French: they review grammatical structures and expand their vocabulary; they increase their communicative ability through the reading and discussion of excerpts of French literature and cultural texts of various francophone countries and written composition. PREREQUISITE: French 1B or equivalent.

Justification:
Reinstating course originally approved 6 years ago by M. Sanidad. This course had never filled, which is why it was deactivated in the first place.

Enough Gavilan students are interested in continuing their French sequence to comprise a class. GECA - Gilroy Early College Academy students would like to have the sequence for another academic year (French 2A and 2B) and many have already planned their junior year (2018-2019) with this course in mind. Also upon completion of this sequence students would fulfill the language requirement necessary at UCs and CSUs upon transfer.

Updated textbooks. Added assessment year to SLOs.

New Course - Second Reading
HVAC 206 HVAC Controls (Spring 2019), 4 Units, 3 Lec, 3 Lab
Description:
Students will study theory, application, and operation of Heating, Ventilating, and Air Conditioning (HVAC) control systems; including electric, pneumatic, solid state, and digital control systems. They will also study Energy Management Systems (EMS), Building Management Systems (BMS), building applications, and green technology; including fire/smoke, lighting, and heating and ventilation controls. PREREQUISITE: HVAC 201 and HVAC 202 with a grade of "C" or better. Advisory MATH 430.

Justification:
This is the sixth of six courses being developed that will make up the start of Gavilan College's new Heating, Air-Conditioning and Refrigeration Technology program. The HVAC/R program is being developed based on labor market needs. According to the Air-Conditioning, Heating and Refrigeration Institute, an estimated 57,000 skilled workers are needed each year to work in the HVAC/R industry. A recent national study estimates the number of employees in the industry could double by 2025. The development of the Gavilan College HVAC/R program has the support and recommendation of the Bay Area Region of the Bay Area Community College Consortium. The Bay Region has recently supported the regional venture project related to expanding current HVAC/R programs at Bay Region colleges and developing the Gavilan College HVAC/R program. HVAC/R is within the industry sector of Clean Energy, Energy, Construction

and Utilities which has been identified by the Bay Region as one of the top priority industry sectors with strong labor demand.

The College's strategies and goals from the 2015 – 2020 Strategic Plan support this new program:
STRATEGY #1 Optimize enrollment, course offerings, and services to reflect community needs and growth.
Goal #2 Strengthen career programs by participating in regional career technical education collaboratives and initiatives from the Chancellor's Office.
STRATEGY #2 Improve student services and enhance curriculum and programs in order to help students meet their educational, career, and personal goals.

In addition, it is supported by the CTE's program plan. Which states, the main objective of the program is: To improve the quality and increase the quantity of career technical education provided by our system; courses, programs, pathways, credentials (licensure), certificates, and degrees.

New Course - Second Reading
MATH 16 Discrete Mathematics (Fall 2018), 4 Units, 4 Lec, 0 Lab
Description:
Presents discrete mathematical systems including methods of proof that shape the foundations of computer science. Includes propositional logic, set and number theory, Boolean Algebra, deductive and inductive proof, functions and relations, combinatorics, discrete probability, graph theory and network models, and efficiency of algorithms.
PREREQUISITE: Mathematics 8B with a grade of 'C' or better or equivalent skills. ADVISORY: CSIS 5 or CSIS 45 with a grade of 'C' or better or equivalent skills.

Justification:
Discrete Math was previously taught as Math 26 and has not been offered for many years. Math 26 was formerly cross-listed with CSIS 26. Math 16 is a new course in which the prerequisite aligns with other Discrete Mathematics courses offered at the CSUs (CSIS 26 only has Intermediate Algebra as a prerequisite and the C-Id recommendation is Precalculus). Also, more four-year institutions include Discrete Math as a major requirement for a math degree.

MODIFICATION TO EXISTING COURSES

Modify Course
AH 140 Online Health Research (Spring 2019), 2 Units, 2 Lec, 0 Lab
Description:
A beginning course on how to find reliable, current health-related information, using the Internet and other electronic resources. This course is also listed as LIB 140.

Justification:

Condensed and combined SLOs
Rearranged method of evaluation examples to more accurately reflect types
Globally edited and condensed down Objectives and Out of Class Assignments. Updated some sections to reflect newer assignments. Updated some sections to reflect lessons.

Modify Course
AMT 225 Introduction to Drones (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
This course introduces students to the foundations of drones including the history, systems, maintenance, payloads, data links, ground support equipment, classes of systems, categories, applications, mission planning and control and recovery systems.

Justification:
Non-substantial changes: 1. This course is adding the option of being taught online and/or in a hybrid format based on the recommendation of the instructors, who are experts in the field and currently work in the industry. It is felt that these options (online and/or hybrid) may help with enrollment and appeal to prospective students who are already in the work force. 2. Adding information in the textbook area that states the students are required to provide software for use in the class.

Modify Course
AMT 226 Drone Flight Operations and Pilot Certification (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
This course will instruct students in the basic flight operations for both fixed wing and rotor wing drone aircraft, as well as prepare them to take the FAA pilot certification exam.

Justification:
Non-substantial changes: 1. This course is adding the option of being taught online and/or in a hybrid format based on the recommendation of the instructors, who are experts in the field and currently work in the industry. It is felt that these options (online and/or hybrid) may help with enrollment and appeal to prospective students who are already in the work force. 2. Adding information in the textbook area that states the students are required to provide software for use in the class.

Modify Course
AMT 227 Drone Aerial Photography and Videography (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
This course is designed to provide the student with the skills which will allow them to capture and analyze photos and videos from drones. Emphasis is placed on cameras and image software available, applications, and techniques for analyzing imagery.

Justification:
Non-substantial changes: 1. This course is adding the option of being taught online and/or in a hybrid format based on the recommendation of the instructors, who are experts in the field

and currently work in the industry. It is felt that these options (online and/or hybrid) may help with enrollment and appeal to prospective students who are already in the work force. 2. Adding information in the textbook area that states the students are required to provide software for use in the class.

Modify Course
AMT 228 Drone Maintenance Technician (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
This course is designed to provide students with the skills to maintain and repair drones. Emphasis is on the various systems, including the fuel, electrical, flight control and power plant systems as well as digital central processor assembly and system support equipment. Also covers system performance criteria, operational safety, inspection techniques and diagnosis of the drone.

Justification:
Non-substantial changes: 1. This course is adding the option of being taught online and/or in a hybrid format based on the recommendation of the instructors, who are experts in the field and currently work in the industry. It is felt that these options (online and/or hybrid) may help with enrollment and appeal to prospective students who are already in the work force. 2. Adding information in the textbook area that states the students are required to provide software for use in the class.

Modify Course
ART 2A Two-Dimensional Design (Spring 2019), 3 Units, 2 Lec, 4 Lab
Description:
An introduction to the basic elements and principles of two-dimensional design. Lettering and graphics applications of design are included. Traditional and experimental materials and techniques are applied to a variety of individual projects and exercises. (C-ID: ARTS 100)

Justification:
This course is being updated because it is on the five-year curriculum update cycle. The specific items being updated in this form are the following:
Units/Hours/Status - checked the Non-Credit Category box.
Out of class Assignments hours added as well as homework content.
New Textbook chosen and reviewed.
Validated Transfer information.

Modify Course
ART 6 Art Appreciation (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
An illustrated lecture course that surveys and introduces the visual arts from historical to contemporary times, and teaches students the basic concepts of seeing and appreciating art. ADVISORY: English 250 and English 260.

Justification:
Fewer SLOs needed, so they have been condensed to match the Art program PLOs.
This course is being updated because it is on the five-year curriculum update cycle. The specific items being updated in this form are the following:
Units/Hours/Status - checked the Non-Credit Category box.
Out of class Assignments hours added as well as homework content.
New Textbook chosen and reviewed.
Validated Transfer information.

Modify Course
ART 8A Introduction to Photography (Spring 2019), 3 Units, 2 Lec, 4 Lab
Description:
Introduction to the processes, principles, and tools of photography. Topics include the development of technical and aesthetic skills, elements of design and composition, camera technology, materials and equipment, and contemporary trends in photography.

Justification:
This course is being updated because it is on the five-year curriculum update cycle. The specific items being updated in this form are the following: Units/Hours/Status - Non-Credit Category, Out of class Assignments, Textbooks and Transfer.

Modify Course
ART 79 Portfolio Development for Studio Art Majors (Spring 2019), 1 Units, 1 Lec, 0 Lab
Description:
This Portfolio Development course is intended for Studio Art majors. Focus will be placed on the planning and production of personal portfolios and self-promotion materials including cover letters and resumes. Particular emphasis will be placed on self-promotion for jobs, self-employment, or advanced education in the Studio Art field. Students will leave the class with one or more portfolios representing their work. This course has the option of a letter grade or pass/no pass. No college credit for those who have passed DM 79 or CSIS 79.

Justification:
This course is being updated because it is on the five-year curriculum update cycle. The specific items being updated in this form are the following:
Units/Hours/Status, the Non-Credit Category box was checked.
Out of class Assignments hours were added and homework content added.
Textbook was updated and reviewed
Transfer information was validated.

Modify Course
CSIS 3 Research Skills (Spring 2013), 2 Units, 2 Lec, 0 Lab
Description:

Research and evaluation skills using the Internet and other electronic resources, as well as traditional printed materials. Also listed as LIB 3. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and 260.

Justification:
Substantial revision of SLO's. Minor editing of course content (spacing, moved "out of class assignments" from "course content" to its own category.

Modify Course
ENGL 12A Tutoring Writers: Training (Fall 2018), 2 Units, 2 Lec, 0 Lab
Description:
Fundamentals of compositional theory, the writing process, peer-to-peer communication, and effective responses to writing will be covered. In addition, students will receive training in tutoring methodology, while participating in a community of writers that connects them to their own writing practice. ADVISORY: Eligible for English 1A.

Justification:
1) Update our Student Learning Outcomes
2) Update course description to include reading and information literacy as part of tutoring.
3) Update methods of instruction
4) Update the textbook
5) Create opportunity for teaching 12A as a hybrid course. A hybrid course increases flexibility for students, allows us to provide materials in a variety of ways, and provides time for students to work at their own pace without sacrificing the communal aspect of learning tutoring skills.

Modify Course
ENGL 12B Tutoring Writers: Practice (Fall 2018), 1 Units, 1 Lec, 0 Lab
Description:
Practice in the writing process, peer-to-peer communication, interacting with faculty and educational institutions, and effective responses to writing will be covered. In addition, students will gain an understanding of writing pedagogy while participating in a community of writers that connect them to their own writing practice. ADVISORY: Eligible for English 1A.

Justification:
1) Updating SLOs
2) Updating Textbooks
3) Updating Requisite

Modify Course
ENGL 12C Tutoring Writers: Theory (Fall 2018), 1 Units, 1 Lec, 0 Lab
Description:
Compositional theory and responses to writing across the curriculum will be covered. In addition, students will gain an understanding of the methodology and theory of tutoring

pedagogy, while participating in a community of writers that connects them to their own writing practice. ADVISORY: Eligible for English 1A.

Justification:
12C is due to be reviewed. We request that this course be put on hold as new Writing Center leadership decides to keep or deactivate.

Modify Course
ENGL 12D Tutoring Writers: Research (Fall 2018), 1 Units, 1 Lec, 0 Lab
Description:
Compositional theory and responses to writing across the curriculum will be covered. In addition, students will gain from inquiry questions and conduct research on tutoring methods, while participating in a community of writers that connects them to their own writing practice. ADVISORY: Eligible for English 1A.

Justification:
12D is due to be reviewed. We request that this course be put on hold as new Writing Center leadership decides to keep or deactivate.

Modify Course
ENGL 250 Practical Writing (Fall 2018), 3 Units, 3 Lec, 1 Lab
Description:
This course covers writing clear, correct, effective essays and learning preliminary research skills. Also listed as English 250P. PREREQUISITE: Eligibility for English 440

Justification:
English 250 was updated because it was on its five year review cycle. The SLOs were revised and reduced. English 1A outcomes helped to inform updated changes in 250 outcomes. Added Out of Class assignments and hours for out-of class assignments. Adjusted percentage on method of evaluation.

Modify Course
ENGL 260 Preparation for College Reading (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
This is a course presenting strategies in the technique and practice of college level critical reading and thinking skills. Also listed as English 260P. PREREQUISITE: Eligibility for English 420

Justification:
Updated 260 as it was on its five year cycle review. Reduced number of SLOs. Looked at English 1A outcomes to help inform updated 260 outcomes. Updated out-of-class assignments and hours.

Modify Course
HIST 3 History of California (Fall 2018), 3 Units, 3 Lec, 0 Lab

Description:
A study of California's history from pre-contact with Europeans to the present day. Social, cultural, economic, political and environmental issues will be explored towards an understanding of California's history. ADVISORY: Eligible for English 1A.

Justification:
In order to expand availability of course to a broader range of students, Social Sciences seeks to be able to offer the course as a fully online and/or hybrid format.

Modify Course
HIST 4B Global History After 1500 (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
Beginning with the European Renaissance, this course examines the development of global society after 1500. With attention to the interactions between humans and environment, developing states, cultures, economics, and social structures are examined in global context. The course emphasizes historical, analytical, and research skills. It asks students to analyze the evolution of global values, beliefs, and practices, as well as the conditions and results of social change and globalized human activity. This course has the option of a letter grade or pass/no pass. (C-ID: HIST 160) ADVISORY: Eligible for English 1A.

Justification:
5 year cycle: updated textbook. Changed wording in Course Description Advisory from "English 250 and English to 260" to "Eligible for English 1A."

Modify Course
HUM 3 Introduction to Cinematic Arts, Film and Television (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
This course provides an introduction to the cinema. The course will examine broad questions of form and content, aesthetics and meaning, and history and culture. Using a wide variety of films, filmmakers, and film movements, the course explores the diverse possibilities presented by the cinematic art form. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology, and critical analysis. ADVISORY: Eligible for English 250 and 260.

Justification:
This is a 5-year cycle update. The SLOs and textbook was updated.

Modify Course
HUM 4 Introduction to American Cinema (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
This introductory course in film studies is a survey of the American film industry as an art form, as an industry, and as a system of representation and communication. The course explores how

Hollywood films work technically, aesthetically, and culturally to reinforce and challenge America's national self-image. ADVISORY: English 440

Justification:
This is the 5-year cycle update. The SLOs and textbook have been updated.

Modify Course
HUM 6 Contemporary World Cinema (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
This class introduces contemporary foreign cinema and includes the examination of genres, themes, and styles. Emphasis is placed on cultural, economic, and political influences as artistically determining factors. Film and cultural theories such as national cinemas, colonialism, and orientalism will be introduced. The class will survey the significant developments in narrative film outside Hollywood. Differing international contexts, theoretical movements, technological innovations, and major directors are studied. The class offers a global, historical overview of narrative content and structure, production techniques, audience, and distribution. Students screen a variety of rare and popular films, focusing on the artistic, historical, social, and cultural contexts of film production. Students develop critical thinking skills and address issues of popular culture, including race, class gender, and equity.

Justification:
This is a 5-year cycle update. The SLOs and textbook were updated.

Modify Course
JOUR 18A Print and Digital News I (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
Students research, fact check, interview, write, edit, photograph and produce computer assisted design and graphics for the college newspaper and/or online The Gavilan Press. In doing this, they provide the community with an important First Amendment forum, learn and educate about the First Amendment rights and responsibilities, and acquire journalistic skills, ethics and habits. (C-ID: JOUR 130). ADVISORY: Eligible for English 1A. Typing ability.

Justification:
Changed course description: Including research, fact checking and editing adds emphasis on adherence to accuracy. Changed text: Written by professors with the School of Journalism of Missouri-Columbia, the text offers fundamentals for concise writing in print, broadcast and online media and examples from journalists working various beats in the field.

Modify Course
JOUR 18B Print and Digital News II (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
Students will take leadership roles and be placed in a deadline-driven newsroom environment with close attention to teamwork, responsibility and objectivity. Students will research, fact check, interview, write, edit, photograph and produce computer-assisted design and graphics

for the college newspaper and/or online Gavilan Press. In doing this, they provide the community with an important First Amendment forum, learn and educate about First Amendment rights and responsibilities and acquire journalistic skills, ethics and habits. (C-ID: JOUR 131) PREREQUISITE: Journalism 18A.

Justification:
Changed course description: including research, fact checking and editing adds emphasis on adherence to accuracy. Updated text to 12th edition. Added 3 outside hours of out of class assignments.

Modify Course
LIB 3 Research Skills (Spring 2018), 2 Units, 2 Lec, 0 Lab
Description:
Research and evaluation skills using the Internet and other electronic resources, as well as traditional printed materials. Also listed as CSIS 3. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 250 and 260.

Justification:
Substantial revision of SLO's. Minor editing of course content (spacing, moved "out of class assignments" from "course content" to its own category.

Modify Course
LIB 140 Online Health Research (Spring 2019), 2 Units, 2 Lec, 0 Lab
Description:
A beginning course on how to find reliable and current health-related information, using the Internet and other electronic resources. This course is also listed as AH 140.

Justification:
Condensed and combined SLOs
Rearranged method of evaluation examples to more accurately reflect types
Globally edited and condensed down Objectives and Out of Class Assignments. Updated some sections to reflect newer assignments. Updated some sections to reflect lessons.

Modify Course
MATH 402 Pre-Algebra (Fall 2018), 3 Units, 3 Lec, 2 Lab
Description:
This course covers operations with integers, fractions, decimals and associated applications, ratio, proportion, geometry, and measurements with the emphasis on critical thinking and applications. Elementary algebra topics such as variables, expressions, and solving equations are introduced. This is a pass/no pass course where pass is given for mastery of the above topics. The mastery level is set by the department. PREREQUISITE: Completion of Math 400 with a grade of 'C' or better OR completion of Math 400 with a grade of 'P' OR appropriate assessment test score.

Justification:
Part of the five year cycle. I updated the SLOs, changed the textbook, and cleaned up language.

Modify Course
MCTV 6 Introduction to Audio Production (Spring 2014), 3 Units, 2 Lec, 3 Lab
Description:
The theory and practice of audio techniques in radio, television, film and multimedia including acoustics, audio language and terms, signal flow, use of microphones, use of microphones, use of mixers and related audio production and digital recording equipment and the aesthetic aspects of sound mixing and post production. Students will be able to apply knowledge and gain hands-on experience recording, editing, mixing and mastering audio. This course has the option of a letter grade or pass/no pass. This course is also listed as THEA 6.

Justification:
On the 5-year cycle for update. The SLOs and textbook were updated.

Modify Course
MCTV 16 History and Culture of Television, Film and New Media (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
This course provides an introduction and history of electronic media including radio, television, film, the internet, and other new media. The impact on and reflection of the current social environment is explored through review and analysis of television programs, films, internet webisodes, and other electronic media programming. This course is also listed as THEA 16. ADVISORY: Eligible for English 250 and 260.

Justification:
On the 5-year cycle for update. The SLOs and textbook were updated.

Modify Course
MUS 1A Music History and Literature (Fall 2015), 3 Units, 3 Lec, 0 Lab
Description:
A survey of the development of music in western civilization including representative composers from the Medieval to the present. Music 1A will study the music and styles from the Medieval to the Romantic period. ADVISORY: Eligible for English 250 and English 260.

Justification:
This course is being updated to be offered as a hybrid course. The specific areas being updated with this proposal are: 1) all distance education sections; 2) Outside of class assignments section. The specific justification for the need to offer this course as hybrid is included within the Distance Education sections.

Modify Course
MUS 1B Music History and Literature (Spring 2015), 3 Units, 3 Lec, 0 Lab

Description:
A survey of the development of music in western civilization including representative composers from the Medieval period to the present. Music 1B will study the music and styles from late Romanticism to the present. ADVISORY: Eligible for English 250 and English 260.

Justification:
This course is being updated to be offered as a hybrid course. The specific areas being updated with this proposal are: 1) all distance education sections; 2) Outside of class assignments section. The specific justification for the need to offer this course as hybrid is included within the Distance Education sections.

Modify Course
MUS 12 Vocal Ensemble (Spring 2014), 1 - 4 Units, 0 Lec, 3 - 12 Lab
Description:
The Vocal Ensemble class will focus on popular and alternative commercial music and will include rehearsals with individual and group performances with a backup band. The evening Vocal Ensemble will study, rehearse and perform choral music in a broad spectrum of musical genres and styles. Included will be the study of vocal and rehearsal techniques as they relate to ensemble performance.

Justification:
This course is being updated because it is on the five-year curriculum update cycle. The specific item being updated in this form are the following: updated textbook.

Modify Course
MUS 14 Instrumental Ensemble (Spring 2014), 1 - 4 Units, 0 Lec, 3 - 12 Lab
Description:
Instruction for the experienced musician with emphasis on the study and performance of a wide variety of musical styles from Renaissance to 20th Century music for traditional ensembles, and extensive consideration of contemporary commercial and alternative repertoire, and performance techniques for popular ensembles. This course was previously listed as MUS 14A. (C-ID: MUS 180)

Justification:
This course is being updated because it is on the five-year curriculum update cycle. The specific item being updated in this form are the following: updated textbook.

Modify Course
THEA 6 Introduction to Audio Production (Fall 2018), 3 Units, 2 Lec, 3 Lab
Description:
The theory and practice of audio techniques in radio, television, film and multimedia including acoustics, audio language and terms, signal flow, use of microphones, use of microphones, use of mixers and related audio production and digital recording equipment and the aesthetic aspects of sound mixing and post production. Students will be able to apply knowledge and

gain hands-on experience recording, editing, mixing and mastering audio. This course has the option of a letter grade or pass/no pass. This course is also listed as MCTV 6.

Justification:
The 5-year cycle update. The SLOs and textbook were updated.

Modify Course
THEA 16 History and Culture of Television, Film and New Media (Fall 2018), 3 Units, 3 Lec, 0 Lab
Description:
This course provides an introduction and history of electronic media including radio, television, film, the internet, and other new media. The impact on and reflection of the current social environment is explored through review and analysis of television programs, films, internet webisodes, and other electronic media programming. This course is also listed as MCTV 16.
ADVISORY: Eligible for English 250 and 260.

Justification:
On 5-year cycle for update. The SLOs and textbook were updated.

MODIFICATIONS TO EXISTING DEGREES

Computer Science - A.S.-T Degree

Justification:
This AS-T program was approved by the Chancellor's Office on 7/26/2016. The TMC for this program was updated October 14,2016. We are changing our program to follow the updated TMC:

Previous requirement:
Phys 4B (C-ID PHYS 210)

New requirement:
Phys 4B (C-ID PHYS 210)
OR
Bio 1 min. 4 units (C-ID BIOL 190 double count for GE B2 and B3)
OR
Chem 1A min. 5 units (C-ID CHEM 110 double count for GE B1 and B3)

Description :
The Associate in Science in Computer Science for Transfer Degree (AS-T in Computer Science) has been established to assist students in seamlessly transferring from Gavilan College to a California State University (CSU), with the objective of pursuing a baccalaureate degree in

computer science. The Associate in Science in Computer Science for Transfer Degree therefore necessarily requires the completion of a general education sequence of courses, as well as specific preparation for upper-division computer science coursework.

Upon completion of the Associate in Science in Computer Science for Transfer Degree, students will be prepared for more advanced upper-division coursework in computer science, and will be able to:

1) Code, debug, document, test, and run programs.

2) Write programs in at least three different programming languages, and compare and contrast the philosophies and comparative advantages of each these languages.

3) Demonstrate professional conduct by meeting project deadlines, and participating in self-managed teams.

4) Create algorithms to solve programming problems, and implement those algorithms.

Program Learning Outcomes
Upon successful completion of this program, students will be able to:

1. Code, debug, document, test, and run programs.
2. Write programs in at least three different programming languages, and compare and contrast the philosophies and comparative advantages of each these languages.
3. Demonstrate professional conduct by meeting project deadlines, and participating in self-managed teams.
4. Create algorithms to solve programming problems, and implement those algorithms.

Program Requirements:

Required Core: Units: (28 - 29 Required)		
CSIS5 or	C++ Scientific Programming	3
CSIS45 or	C++ Programming I	3
CSIS24	Java Programming I	3
CSIS46 or	C++ Programming II	3
CSIS27	Java Programming II	3
CSIS28	Computer Architecture and Organization	3
CSIS26	Discrete Structures	3
MATH1A	Single-Variable Calculus and Analytic Geometry	4
MATH1B	Single-Variable Calculus and Analytic Geometry	4
PHYS4A	Physics for Scientists and Engineers - Mechanics	4
BIO1 or	Cell and Molecular Biology	4
CHEM1A or	General Chemistry	5

PHYS4B Physics for Scientists and Engineers - Electricity and Magnetism 4

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General
Education – Breadth Requirements.
(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community
college district.
(2) Obtainment of a minimum grade point average of 2.0.
ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis, or a "P" if the course was taken on a 'pass-no-pass' basis.

Total Units for the Major: 28 - 29 Units

Double Counted Units: CSU 7; IGETC: 7 Units

General Education Requirements: CSU: 39; IGETC: 37 Units:

Electives as Needed to get to 60 Units: CSU: 0; IGETC: 2 Units:

Total Units for the Degree: 60 Units: