NORCO COLLEGE

Norco College Curriculum Committee

Agenda
2:00 pm, October 22, 2019
<mark>OC 116</mark>

A. Agenda and Minutes Approval
B. Discussion items: NONE
C. Action Items: NONE
D. New Discipline: NONE
E. New Courses:
1. CIS-30C Python Programming in Cybersecurity *MN To support California Community College mission by promoting higher education and create a skilled, progressive workforce that will advance the state's interests. This course builds essential programming skills for students who are pursuing IT Technician Pathway degree and/or certificate, which will promote Career & Technical Education (CTE) and employment growth state-wide. This course concepts will enhance student programming and technical skills for student future career in system development, cybersecurity, system administration or other employment opportunities in the computing field. This course provides additional advantage to students who pursue cybersecurity and development industries as Python is one of the most demanded programming languages.
2. CIS-30D Python Programming for Internet of Things (IoT) *MN To support California Community College mission by promoting higher education and create a skilled, progressive workforce that will advance the state's interests. This course builds essential programming skills for students who are pursuing IT Technician Pathway degree and/or certificate, which will promote Career & Technical Education (CTE) and employment growth state-wide. While Python remains one of the most demanded programming language, this course enhances student skills by leveraging the Internet of Things development and expansion.
3. CIS-30A Introduction to Python Programming *MNR To support California Community College mission by promoting higher education and create a skilled, progressive workforce that will advance the state's interests. This course builds essential networking skills for students who are pursuing IT Technician Pathway, Cybersecurity and Computer Science degrees and/or certificates, which will promote Career & Technical Education (CTE) and employment growth state-wide. This course provides the basic scripting and programming skillsets that can be applied to cybersecurity, Internet of Things, game and web development and computer science.
4. CIS-30B Python Programming in Networking *MN This course is the continuation of CIS30A, with focus on networking. Python programming knowledge is highly demanded in security and networking fields due to the use of Python on web, app and automation processes across the networks. To support California Community College vision and CTE growth, this course is designed to provide technical skills and knowledge that will fulfill cybersecurity professional demands in the labor market. It will also help advance Cybersecurity Healthcare and Cybersecurity programs at the college.

5. CIS-30E Advanced Python Programming *MN To support California Community College mission by promoting higher education and create a skilled, progressive workforce that will advance the state's interests. This course builds essential programming skills for students who are pursuing IT Technician Pathway degree and/or certificate, which will promote Career & Technical Education (CTE) and employment growth state-wide. While Python remains one of the most demanded programming language, this course enhances student skills by leveraging the Internet of Things development and expansion.
6. ELE-67 Programmable logic controllers using Siemens *N   Industry advisory is requesting that students know both Siemens and Allen Bradley controllers.
7. MAN-67 Programmable logic controllers using Siemens *N   Industry advisory is requesting that students know both Siemens and Allen Bradley controllers.
8. MAT-LAB 1C   Extensive Prep Lab *MNR

F. New Stand Alone Courses: NONE
G. Course Inclusions: NONE
H. Course Exclusions:
  1. KIN-A55 Slow Pitch Softball *NR   No facility and no equipment.

I. Course Deletions:
  1. ENE-23 Descriptive Geometry *N   Deleting this course to revise program.

J. Distance Education: NONE
K. Major Course Modifications:
  1. ENG-40 World Literature I: From Ancient Literatures to the Seventeenth Century *MNR   We streamlined the SLOs for assessment, created course objectives, and updated the textbook section.
  2. ENG-41 World Literature II: Seventeenth Century Through the Present *MNR We streamlined the SLOs for assessment, created course objectives, and updated the textbook section.
  3. ENG-9 Introduction to Shakespeare *MNR   We streamlined the SLOs for assessment, created course objectives, and updated the textbook section.
  4. CON-60 Introduction to Construction *N Update text edition, description, objectives, SLOs.
  5. CON-62 Print Reading for Construction *N Update text edition, description, objectives, SLOs.
  6. CON-68 Simplified Engineering for Building Inspectors *N Update text, objectives.

L. New State Approved Certificates/Degrees Additions:
  1. CIS-CERT PPC Python Programming Certificate *N The Python Programming Certificate will provide students with proficiency in the development principles, which emphasize planning, designing, writing, testing programs to solve problems in systems and networks using Python programming languages.

M. State/Locally Approved Certificate/Degree <u>Modifications:</u>

1. ELE NAS408 Supply Chain Automation *N We would like to start teaching Siemens Programmable logic control systems. There are at least two possible ways of teaching PLC's. One is Siemens and the other is Allen Bradley. Siemens is well respected throughout the world and Allen Bradley is used throughout the United States. Currently we are teaching Allen Bradley only. One of our previous industry advisory councils recommended that we have the capability of teaching both. With this proposal we would like to purchase Siemens Programmable Logic Control systems, software and human machine interface panels. For only $12,000 we would be able to equip the entire classroom with Siemens devices giving us the capability of teaching Siemens controls. Siemens is much more friendly for education because they are so inexpensive and their software can program anything they sell. Whereas, Allen Bradley requires a different software for everything they sell which gets really expensive. With this proposal we would like to purchase Siemens controls for the entire classroom.

2. ELE NAS656 Digital Electronics *N We would like to start teaching Siemens Programmable logic control systems. There are at least two possible ways of teaching PLC's. One is Siemens and the other is Allen Bradley. Siemens is well respected throughout the world and Allen Bradley is used throughout the United States. Currently we are teaching Allen Bradley only. One of our previous industry advisory councils recommended that we have the capability of teaching both. With this proposal we would like to purchase Siemens Programmable Logic Control systems, software and human machine interface panels. For only $12,000 we would be able to equip the entire classroom with Siemens devices giving us the capability of teaching Siemens controls. Siemens is much more friendly for education because they are so inexpensive and their software can program anything they sell. Whereas, Allen Bradley requires a different software for everything they sell which gets really expensive. With this proposal we would like to purchase Siemens controls for the entire classroom.

3. ENE NAS737 Industrial Automation *N We would like to start teaching Siemens Programmable logic control systems. There are at least two possible ways of teaching PLC's. One is Siemens and the other is Allen Bradley. Siemens is well respected throughout the world and Allen Bradley is used throughout the United States. Currently we are teaching Allen Bradley only. One of our previous industry advisory councils recommended that we have the capability of teaching both. With this proposal we would like to purchase Siemens Programmable Logic Control systems, software and human machine interface panels. For only $12,000 we would be able to equip the entire classroom with Siemens devices giving us the capability of teaching Siemens controls. Siemens is much more friendly for education because they are so inexpensive and their software can program anything they sell. Whereas, Allen Bradley requires a different software for everything they sell which gets really expensive. With this proposal we would like to purchase Siemens controls for the entire classroom.

4. KIN-NAA890 Associate Degree for Transfer in Kinesiology *N Add KIN-A43 (Beginning T'ai-chi Ch'uan) and KIN-A44 (Intermediate T'ai-chi Ch'uan to the Combatives area on our ADT. Exclude KIN-A55 (Slow Pitch Softball) under the Team Spor area on our ADT. Add KIN-A62 (Flag Football) under the Team Sports area on our ADT. Name Change – From KIN-A81A (Physical Fitness, Beginning) and KIN-A81B (Physical Fitness, Intermediate) to KIN-A81A (Cardio and Strength Training, Beginning) and KIN-A81B (Cardio and Strength Training, Intermediate) on our ADT."

N. State Certificate/Degree <u>Deletions</u>: NONE

O. AOE/GE Inclusions: NONE

P. Information Items:
 1. New Courses:
  i. CUL-875 Introduction to Math for Baking Professionals *R The purpose of this course is to provide a fundamental understanding of math skills as they are applied in the professional bakery environment. This course will be the first in a series towards a local certificate in Math Skills for Professional Bakers.
  ii. CUL-876 Introduction to Cost Control for Professional Bakers *R The purpose of this course is to provide a fundamental understanding of cost control as they are applied in the professional baking environment. This course will be the second in a series towards a local certificate in Math Skills for the Professional Baker.
  iii. CUL-877 Baker's Percentages and Recipe Conversion *R The purpose of this course is to provide a better understanding of Baker's Percentages and how they work, and why they're beneficial for a baker. This course will be the third in a series towards a local certificate in Math Skills for the Professional Baker.
  iv. CUL-878 Cost Control for Baking & Pastry *R This course is the last in a series of four consecutive courses towards a local certificate in Math Skills for the Professional Baker. All of the material learned in previous set of courses, will now be applied as it relates to understanding SPECS sheets, to costing of ingredients, to assigning the menu price.
  v. EST-10 Industrial Calculations *R The Energy Systems Technology (EST) (TOP code 0946.10), Associates of Science Degree is developed to offer students a broad overview of the advanced energy industry and includes cross-disciplinary courses in Energy Systems Technology (EST), Environmental Control Technology (HVACR), Electrical Systems and Power transmission, Architectural Technology, Construction Crafts Technology, Electrical, Constructions Management Technology, Computer Information Systems, Welding Technology, and Construction Inspection. The completion of the Energy Systems Technology (EST) AS degree is especially advantageous for the student who has the goal to obtain leadership positions. Electives are selected to support a concentration on industry specialties. Students will have the options to focus on particular energy sectors by choosing from various depths of study: Renewable Energy and Battery Storage Control Systems, Advanced Lighting Systems, or Environmental Control Systems. The student may choose their elective based on their immediate energy educational goals. The student may also continue completing additional elective courses, combining other defined degrees within the Energy, Construction, and Utilities (EUC) industry. Students will have the technical background that can lead to multiple industry-recognized credentials and careers as an Energy Auditor, Energy Consultant, Commissioning Technician, Zero Net Energy Technician, Green HVAC Technician, Building Operator, Construction Manager, Building Inspector, Advanced Lighting Technician, Construction Specialist, and Solar PV/Battery Storage Technician (aka Alternative Energy).

vi. EST-15 Zero Net Energy Building Science *R Proposed as a part of a new program in the EST discipline.

vii. EST-20 California Energy Codes *R Proposed as a part of a new program in the EST discipline.

viii. EST-21 California Building Codes *R Proposed as a part of a new program in the EST discipline.

ix. EST-22 California Mechanical Codes *R Proposed as a part of a new program in the EST discipline.

x. EST-23 California Plumbing Codes *R Proposed as a part of a new program in the EST discipline.

xi. EST-24 California Electrical Codes*R Proposed as a part of a new program in the EST discipline.

xii. EST-25 California Residential Codes *R Proposed as a part of a new program in the EST discipline.

xiii. EST-26 California Fire Codes *R Proposed as a part of a new program in the EST discipline.

xiv. EST-30 Architectural Blueprint Reading *R Proposed as a part of a new program in the EST discipline.

xv. EST-200 Energy Systems Technology Work Experience *R Proposed as a part of a new program in the EST discipline.

xvi. EST-32 Architectural Practice I *R Proposed as a part of a new program in the EST discipline.

xvii. EST-33 Materials of Construction *R Proposed as a part of a new program in the EST discipline.

xviii. MAT-LAB 23 Extensive Prep Lab Extensive Prep Lab *R

xix. AUT-801 ASE Test Preparation- Engine Repair *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xx. AUT-802 ASE Test Preparation- Automatic Transmission/ Transaxle *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xxi. AUT-803 ASE Test Preparation- Manual Drive Train and Axles *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xxii. AUT-804 ASE Test Preparation - Suspension and Steering *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xxiii. AUT-805 ASE Test Preparation- Brakes *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xxiv.   AUT-806   ASE Test Preparation- Electrical/Electronic Systems *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xxv.   AUT-807   ASE Test Preparation- Heating and Air Conditioning *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xxvi.   AUT-808   ASE Test Preparation- Engine Performance *R   This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

xxvii.   AUT-811   ASE Test Preparation- Advanced Engine Performance *R This course will supplement current curricular offerings in Automotive. The course will provide additional support to students, and help prepare those currently in the workforce to obtain higher wages.

2.   New Stand Alone Courses: NONE

3.   Course Inclusions: NONE

4.   Course Exclusions:

i.   KIN-A40   Karate, Beginning *R Campuses Offering: MNR

ii.   We have not taught any of these classes for over 4 years. We are cleaning up our inventory and since Norco and Moreno Valley already or are interested in teaching these courses, Riverside is excluding them."

iii.   KIN-A41   Karate, Intermediate *R Campuses Offering: MNR

iv.   We have not taught any of these classes for over 4 years. We are cleaning up our inventory and since Norco and Moreno Valley already or are interested in teaching these courses, Riverside is excluding them."

v.   KIN-A46   Hatha Yoga, Beginning *R Campuses Offering: MNR

vi.   We have not taught any of these classes for over 4 years. We are cleaning up our inventory and since Norco and Moreno Valley already or are interested in teaching these courses, Riverside is excluding them."

vii.   KIN-A47   Hatha Yoga, Intermediate *R Campuses Offering: MNR

viii.   We have not taught any of these classes for over 4 years. We are cleaning up our inventory and since Norco and Moreno Valley already or are interested in teaching these courses, Riverside is excluding them."

ix.   REA-83   College Reading and Thinking *M This course is no longer offered, partly due to AB 705.

x.   ENG-90B   Special Topics In English: Research Methodologies *M This course has not run in many years even after attempts to advertise it to generate student interest.

xi.   ENG-90BH   Honors Special Topics in English: Research Methodologies *M This course has not run in many years even after attempts to advertise it to generate student interest.

5. Course Deletions:
    i.   KIN-A57   Basketball *R We have leveled this course into A57A, A57B and A57 C. We no longer need this course.
    ii.   FIT-S18 Fire Department Water Tender Operations *M This course is not active and has not been offered since 2005. Per the local fire agencies, this course is no longer needed.
    iii.   FST-7   History of World Film I: From the beginning through the 1950s. *R FST-7 and FST-8 are being deleted from the FST curriculum in view of their redundancy. Coverage of film history methodologies and the history of filmmaking is covered in FST-3, introduction to international cinema and FST-4, introduction of film genres, in addition to FST-1, introduction to film studies. Deletion of these courses will also assist film majors in completing their degree requirements within a 60 unit minimum.
    iv.   FST-8   History of World Film II: From the 1950s to the Present *R FST-7 and FST-8 are being deleted from the FST curriculum in view of their redundancy. Coverage of film history methodologies and the history of filmmaking is covered in FST-3, introduction to international cinema and FST-4, introduction of film genres, in addition to FST-1, introduction to film studies. Deletion of these courses will also assist film majors in completing their degree requirements within a 60 unit minimum.
    v.   AUT-91 Introduction to Alternative Fuels *R Has not been offered in about ten years.
    vi.   AUT-92 Compressed Natural Gas Fuel Systems *R Has not been offered in about ten years.
    vii.   AUT-59A   Automotive Service A *R   Program Discontinued- Has not been offered in over ten years.
    viii.   AUT-59B   Automotive Service B *R   Program Discontinued- Has not been offered in over ten years.
    ix.   AUT-59C   Automotive Service C *R   Program Discontinued- Has not been offered in over ten years.
    x.   AUT-59D   Automotive Service D *R   Program Discontinued- Has not been offered in over ten years.

6. Distance Education:
    i.   FIT-3DE   Fire Protection Equipment & Systems   The course content for this subject matter is ideal for hybrid and online delivery. In the online environment, the course includes assignments that require the student to research and discuss elements pertaining to fire protection systems. Using recorded lecture, video conferencing and threaded discussions, students are given the opportunity to teach each other about their findings. Regular deadlines are set throughout the term of the course for all discussions, written work, quizzes, research results, and peer-review written evaluations of related activities. [1 SEP]
    ii.   FIT-4DE   Building Construction for Fire Protection   The Hybrid and fully online (DE) course format provides flexibility in scheduling for students without compromising course objectives or learning outcomes. Additionally, providing

online learning options ensures our organization is current with results-driven educational trends that meet the needs of our students. Value added online activities include additional writing assignments, online video lectures/presentations, threaded discussions, one-on-one interaction with the instructor through public and private communication tools, reports of online research results and reflections of reading assignments, and a flexible schedule for out of class interaction among all class participants.

    iii.   FIT-7DE   Principles of Fire and Emergency Services Safety and Survival   The course content for this subject matter is ideal for hybrid & online delivery. In the online environment, the course includes assignments that require the student to research and discuss elements of cultural and behavioral change, firefighter safety initiatives, risk management, and ideas that foster a culture of safety. Using face-to-face (or recorded) lecture, video conferencing and threaded discussions; students are given the opportunity to teach each other about their findings. Regular deadlines are set throughout the term of the course for all discussions, written work, quizzes, research results, and peer-review written evaluations of related activities.

7.   Minor Course Modifications: NONE

8.   Major Course Modifications:
    i.   COS-60E1 Level V Cosmetology Concepts   Add objectives.
    ii.   COS-801   Level VI Cosmetology Concepts   add assignment
    iii.   COS-811   Cosmetology Teacher Training   update content.
    iv.   COS-812   Level II Esthetician Concepts   Update content.
    v.   COS-60E2 Level V Cosmetology Concepts   Add objectives.
    vi.   COS-1A   Introduction to Cosmetology Level I   California State Board of Barbering and Cosmetology minimum standard for Cosmetology Acts, Rules and Regulations, and Disinfection and Sanitation.
    vii.   COS-1B   Introduction to Cosmetology Level II   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles.
    viii.   COS-20A   Level I Chemical Texture Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within chemical texture.
    ix.   COS-10A   Level I Hairstyling Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology hairstyling and the practice of hairstyling principles.
    x.   COS-10B   Level II Hairstyling Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology hairstyling and the practice of hairstyling principles.
    xi.   COS-10C   Level III Hairstyling Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology hairstyling and the practice of hairstyling principles.
    xii.   COS-69B   Mens Hair Design BAdd objectives.
    xiii.   COS-69C   Mens Hair Designs C   Add objectives.

xiv.   COS-70A   Level I Makeup and Hair Removal Concepts   As part of California State Board of Barbering and Cosmetology minimum standards for Cosmetology, this course was designed to relate the sciences and the practice of cosmetology principles within makeup and hair removal.

xv.   COS-1C   Cosmetology Business Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related business practices.

xvi.   COS-70B   Level II Makeup and Hair Removal Concepts   As part of California State Board of Barbering and Cosmetology minimum standards for Cosmetology, this course was designed to relate the sciences and the practice of cosmetology principles within makeup and hair removal.

xvii.   COS-20B   Level II Chemical Texture Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within chemical texture.

xviii.   COS-30A   Level I Haircutting Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within haircutting.

xix.   COS-30B   Level II Haircutting Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within haircutting.

xx.   COS-30C   Level III Haircutting Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within haircutting.

xxi.   COS-40A   Level I Haircoloring and Bleaching Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within haircoloring and bleaching.

xxii.   COS-40B   Level II Haircoloring and Bleaching Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within haircoloring and bleaching.

xxiii.   COS-57A   Level I Skin Care Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within skin care.

xxiv.   COS-57B   Level II Skin Care Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within skin care.

xxv.   COS-57C   Level III Skin Care Concepts   California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within skin care.

xxvi.   COS-60A   Beginning Cosmetology Concepts   California State Board of Barbering and Cosmetology standard for technical and laboratory requirements in Cosmetology.

xxvii.   COS-60B   Level II Cosmetology Concepts   California State Board of Barbering and Cosmetology standard for technical and laboratory requirements in Cosmetology.

xxviii. COS-60C Level III Cosmetology Concepts California State Board of Barbering and Cosmetology standard for technical and laboratory requirements in Cosmetology.

xxix. COS-60D Level IV Cosmetology Concepts California State Board of Barbering and Cosmetology standard for technical and laboratory requirements in Cosmetology.

xxx. COS-60E Level V Cosmetology Concepts California State Board of Barbering and Cosmetology standard for technical and laboratory requirements in Cosmetology.

xxxi. COS-60F Remedial Training Course "Before entering this class, the student should be able to: Work independently with minimal supervision, priorities their own time to perform task to requisite standards; Communicate effectively with students, patrons, instructors and staff; Pass aN exit examination according to California State Board of Barbering and Cosmetology rules and regulations requirements."

xxxii. COS-61A Level I Cosmetology Instructor Concepts A Unit change and add assignment

xxxiii. COS-61B Lev II Cosmetology Instructor Concepts B Unit change and add assignment

xxxiv. COS-62A Level I Esthetician Concepts Update course outline as part of the program review process.

xxxv. COS-62B Level II Esthetician Concepts Updating course outline.

xxxvi. COS-64A Manicuring and Pedicuring add assignment and update textbook

xxxvii. COS-64B Manicuring and Pedicuring add assignments

xxxviii. COS-67A New Trends and Techniques in Hairdressing A Add objectives.

xxxix. COS-67B New Trends and Techniques in Hairdressing B Add objectives.

xl. COS-67C New Trends and Techniques in Hairdressing C Add objectives.

xli. COS-67D New Trends and Techniques in Hairdressing D Add objectives.

xlii. COS-68A Principles and Practices of Competition Hairstyling Add objectives

xliii. COS-69A Mens Hair Design AAdd objectives.

xliv. COS-90A Level I Clinic Floor Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within clinic floor and business practices.

xlv. COS-90B Level II Clinic Floor Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within clinic floor and business practices.

xlvi. COS-90C Level III Clinic Floor Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within clinic floor and business practices.

xlvii. COS-97A Cosmetology Theory Exam Readiness Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within exam readiness.

xlviii. COS-97B Cosmetology Practical Exam Readiness Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within exam readiness.

xlix. COS-80B Level II Nail Care Concepts As part of program review and California State Board of Barbering and Cosmetology minimum standards for Cosmetology, this course was designed to relate the sciences and the practice of cosmetology principles within nail care.

l. COS-80A Level I Nail Care Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within nail care.

li. COS-98A Esthetics Theory Exam Readiness Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within exam readiness.

lii. COS-98B Esthetics Practical Exam Readiness Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of esthetics principles within exam readiness.

liii. COS-99A Manicure Theory Exam Readiness Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of cosmetology principles within exam readiness.

liv. COS-99B Manicure Practical Exam Readiness Concepts California State Board of Barbering and Cosmetology minimum standard for Cosmetology related sciences and the practice of manicuring principles within exam readiness.

lv. ADJ-A13A Drug Use Recognition CTE requirement of updating curriculum every 2 years.

9. New State/Locally Approved Certificates/Degrees:

i. CIS-CERT ITMC Information Technology Model Curriculum *MR (Certificate/State)The goal of this program is to increase diversity in the technical workforce by providing an education platform for entry-level Information Technology support specialists, network technician, infrastructure support, and network security specialist. This program aims to develop quality and quantity of technical professionals to fulfill business needs and generate greater economic impact in the greater Inland Empire region.

ii. CIS-CERT PPC Python Programming Certificate *M The Python Programming Certificate will provide students with proficiency in the development principles, which emphasize planning, designing, writing, testing programs to solve problems in systems and networks using Python programming languages.

iii. ACC-CERT ABSB Accounting Basics for Small Business *R Non-Credit Certificate. The Accounting Basics for Small Business Certificate provides a framework for students to develop skills and knowledge in accounting software techniques, enabling them to open up additional work and advancement opportunities. The certificate is also a gateway into other noncredit and credit programs. Students develop skills and training that will qualify them for even more opportunities.

iv. PDS-CERT STR Sales Techniques *R Non-Credit Certificate. Data from the Economic Development Agency predicts that sales and related occupations will increase 10.8% from 2014-2024. That increase nets an increase of 15,870 jobs in the Inland Empire. The increase, along with positions vacated by retirements will

create a need for qualified sales individuals who have the skills to write a winning sales script and have the knowledge to close a sale. As positions open in sales and related occupations so will the need for individuals who have skills in sales.

v. MUS-CERT GC   Guitar Performance *M   This program is designed for students who are interested in acquiring the requisite skills for transfer success into the CSU/UC Bachelor of Music (BM) programs with an emphasis in Guitar Performance. This certificate prepares students for the BM audition process with regards to facilitating the development: of sight-reading skills, proper guitar technique, fret-board knowledge, repertoire/ performance skills as well as basic theory and aural skills. This Certificate fulfills both a portion of the Associate of Arts degree in Music (AA) as well as the Associate Degree for Transfer (ADT).

vi. FTV-ADT FTEM   Film, Television, and Electronic Media *R The Associate in Arts in Film, Television, and Electronic Media for Transfer degree is designed to prepare students to successfully transfer to the California State University System. This degree will satisfy the lower satisfy the lower division requirements for the eventual conferral of the Bachelor's Degree Program in in Film, Television, and Electronic media; or a major deemed similar at a CSU campus. An Associates in Arts for Transfer Degree will be awarded upon successful completion of 18 units of FTV and FST and the general education requirements of one of the following IGETC, CSUGE. The intent of this degree is to assist students in seamlessly transferring to a CSU.

vii. CUL-CERT MSPB Math Skills for the Professional Baker *R Non-Credit Certificate. Students within the field of baking and pastry arts often have challenges with basic math computations, including fractions, decimals, and percentages. Since these computations are essential in changing the recipe yields, the results can alter the final results of the product being produced. Since baking is such an exact science, if the results of a scale weight are misread, the final results could render an item inedible. This program will provide the tools and knowledge necessary for students who require additional focus in this area. These math skills will also introduce the student to basic cost control, which brings better focus on how material items are received, the pack size, and how to calculate the cost as they relate to a recipe. Riverside City College recently approved a Certificate in Baking & Pastry Arts. After completing the first full year of this program, it was identified that a class that specializes in the area of math skills as they relate to the industry, could be highly beneficial for students who are looking to enroll in that program. Currently, there are no courses that specialize in this area at RCCD."

viii. ADJ-CERT CR   Corrections   *R

ix. EST-CERT ZE R   Zero Net Energy *R

x. EST-CERT BI R   Building Inspection Technology   *R

xi. AUT-CERT EP R   ASE Engine Performance and Electrical Specialist *R Non-Credit Certificate.

xii. AUT-CERT PT R   ASE Powertrain Specialist   *R Non-Credit Certificate.

xiii. AUT-CERT US R   ASE Undercar Specialist   *R Non-Credit Certificate.

xiv. CHE-AST R   Associate in Science in Chemistry for Transfer Degree *R The Associate in Science in Chemistry for Transfer Degree (AS-T in Chemistry) introduces the concepts and principles upon which chemical knowledge is based, including chemical structures and nomenclature, stoichiometry and solving of chemical equations, the thermodynamics of chemical reactions, and theories of chemical bonding. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation. The Associate in Science in Chemistry to Transfer degree provides students with a core curriculum that will prepare them with the knowledge and skills required to earn a baccalaureate degree in chemistry.

xv. CIS-CERT AW R   Amazon Web Services (AWS) *R

xvi. AUB-CERT RP R   Automotive Refinishing and Paint   *R

10. State/Locally Approved Certificate/Degree Modifications:

   i. AUB-AS511 R   Automotive Technology Collision Repair *R

   ii. KIN-AA890 Associate Degree for Transfer in Kinesiology *R   The Associate Degree for Transfer in Kinesiology is a 60-unit degree program (that provides lower division preparation) for student planning to transfer to a CSU for a bachelor's degree in Kinesiology. The Associate Degree for Transfer in Kinesiology provides a general preparation for Kinesiology majors to be able to enter any four-year university. Students must consult with the specific requirements of a non-CSU campus to which they are applying. Students completing the Associate Degree for Transfer in Kinesiology will be prepared to transfer to a CSU and pursue a Bachelor of Arts or a Bachelor of Science in Kinesiology. In this major, students will enhance physical skills and development in the areas of Aquatics, Team Sports, Individual Sports, Fitness and Dance. Students will also be exposed to the history and philosophy of Kinesiology. This degree will satisfy the lower division requirements for the eventual conferral of the Bachelor's Degree in Kinesiology at CSU. With this degree the student will be prepared for transfer to the university upper division level. Additionally, the intent of an ADT is to assist students in seamlessly transferring to a CSU.

11. State Certificate/Degree Deletions: NONE
12. Discipline Inclusion: NONE.
13. New Discipline:

   i. EST-DISC Energy Systems Technology   *R The Energy Systems Technology (EST) (TOP code 0946.10), aligns with the Building Energy System Professional Degree. It is being developed to offer students a broad overview of the advanced energy systems industry and includes cross-disciplinary courses in Energy Systems Technology (EST), and Heating Ventilation and Air Conditioning (AIR). Courses being offered will provide educational certificates and degrees in building codes and inspection, as well as new HVAC offerings. This discipline is also being developed to meet the goals of the California Energy Efficiency Strategic Plan (CEESP) which mandates that 100 percent of all new homes in California will be Zero Net Energy starting in 2020 and 50 percent of commercial buildings by 2030.

The EST discipline will offer certificates in Zero Net Energy, Building Automation Controls and Inspection Technology. In addition, there will be a degree option of Building Energy Systems Professional in HVAC Technology which meets the requirements of the BESP Strong workforce allocation. Discipline will use existing facilities and equipment where needed."

Q. Open Forum:
R. Adjourned:

Next Meeting: November 12, 2019 in room OC 116

Statement of Purpose

The curriculum committee, a sub-committee of the academic senate, has two primary purposes: to review and approve new curriculum including new courses, course modifications, new programs and program modifications, and to review and approve the curriculum approval process. The college curriculum committee is the sole approving body for Norco College only curriculum. For district shared curriculum it has one vote in the district curriculum committee. The curriculum committee is also responsible for keeping abreast with state mandated curriculum changes and reporting those changes to faculty. Committee members report on curriculum at their department meetings and solicit suggestions and recommendations when needed.