



May 27, 2020

TO: THE DISTRICT BOARD OF TRUSTEES
OF VALENCIA COLLEGE

FROM: SANFORD C. SHUGART
President

RE: ADDITIONS, DELETIONS OR MODIFICATIONS OF COURSES & PROGRAMS

RECOMMENDED ACTION:

The President recommends that the District Board of Trustees of Valencia College approve the Additions, Deletions or Modifications of Courses and Programs, as presented.

President 

COLLEGE CURRICULUM COMMITTEE

April 1, 2020

Via Zoom

MINUTES

Members Present: Joan Alexander, Patrick Bartee, Beverly Bond, Dan Diehl, Susan Dunn, Masood Ejaz, Yolanda Gonzalez, Carin Gordon, Leann Hudson, Chris Klinger, Lisa Macon, Adrienne Mathews, John Niss, Diane Reed, Cheryl Robinson (Chair), Jenna Settles, Karen Styles, Raul Valery (Co-Chair), Ravi Varma

Alternates Present: Cheri Cutter, Mohua Kar, Brian Murphy, Chiara Ojeda, Jerry Reed,

Ex-Officio Present: Pedro Gonzalez, Nasser Hedayat, Darnell Purcell, Edwin Sanchez, Pat Sebastian, Darren Smith

Visitors Present: Kristin Abel, Radu Bunea, Ellen Costello, Susan Gosnell, Deb Hall, Courtney Lewis, James McDonald, Michelle Terrell, Marie Vasquez-Brooks, Eldon Warfield, Paul Wilder

Staff Present: Krissy Brissett

1. **Welcome to the Committee Members and Visitors.**
2. **Review of Minutes:** February 2020
(<http://valenciacollege.edu/curriculumcommittee/Minutes.cfm>)

The minutes were updated regarding consulting other disciplines that may be impacted by changes submitted from other areas.

The minutes were approved with the above change.

3. **Consent Agenda:** Course modifications or deletions involving minor editing of course descriptions or level changes which do not impact other departments are eligible for placement on the consent agenda. Any members of the committee may request to remove a proposal from the consent agenda for the purpose of discussion.
 - a) **The following course(s) have outlines in Course Information Management that may be viewed in ATLAS:**

AVM 1010
CEN 4333C, CEN 4802,
CET 2114C, CET 2118C, CET 2123C, CET 3136C, CET 4190
CJE 2062
EET 2035C, EET 2140C, EET 2325C, EET 2365C

EGS 2373
ETI 2264
ETM 1601C, ETM 1602C, ETM 1603C, ETM 1604C, ETM 2010C, ETM 2608C
ETS 2221C, ETS 2230C, ETS 2511C, ETS 2542C, ETS 2544C, ETS 2604C
EPI 0009
HSA 3702, HSA 4640
JOU 2041C
MMC 2450, MMC 2733
OST 2943
REE 1500, REE 2430, REE 2503, REE 2505, REE 2506, REE 2507, REE 2508, REE 2943, REE 2951
RTE 3116

Approved with the exception of the courses that were tabled.

b) The following outlines are being presented as part of the Two-Year Program Review Cycle:

ASC 2870
COP 1000C
EET 4158C
ETI 3116

Approved by consensus.

c) Various Courses Lab Fee Revisions:

Purpose: To update the required lab fee for each course in attached spreadsheet;
Effective date: Fall 2020 (202110).

Dan Diehl wondered why there was no enrollment indicated for two of his Fire Science courses. Cheryl asked the budget department to recalculate the fees for those two courses.

Also, ETP 2402C needs to be moved to the correct discipline.

Approved by consensus.

d) Health Information Technology GPA:

Purpose: Raising the HIT program GPA standards will help ensure students can meet the programs curriculum competencies. Change in Health Information Technology Program minimum GPA from 2.0 to 2.5; **Effective date:** Fall 2020 (202110).

Allowing students to come in with a lower GPA does not align with their requirements. There was some discussion about whether this change is needed.

Further follow-up is needed.

Tabled by consensus.

4. Regular Agenda:

1920-054 Business Management Certificate, CPM.....Lee McCain
Purpose: Addition of GEB 1220 as an elective course; **Effective Date:** Fall 2020 (202110).

Proposal 1920-054 was tabled at the February Meeting.

All Business certificates have been updated with the new GEB course. This should help students to not accrue credits in excess of the amount required for their degree.

Proposal 1920-054 was approved by consensus.

1920-055 Business Operations Certificate, CPM.....Lee McCain
Purpose: Addition of GEB 1220 as an elective course; **Effective Date:** Fall 2020 (202110).

Proposal 1920-055 was tabled at the February Meeting.

Proposal 1920-055 was approved by consensus.

1920-056 Business Specialist Certificate, CPM.....Lee McCain
Purpose: Addition of GEB 1220 as a foundation course; **Effective Date:** Fall 2020 (202110).

Proposal 1920-056 was tabled at the February Meeting.

Proposal 1920-056 was approved by consensus.

1920-057 Customer Service Management Certificate, CPM.....Lee McCain
Purpose: Addition of GEB 1220 as a foundation course; **Effective Date:** Fall 2020 (202110).

Proposal 1920-057 was tabled at the February Meeting.

Proposal 1920-057 was approved by consensus.

1920-058 Customer Service Operations Certificate, CPM.....Lee McCain

Purpose: Addition of GEB 1220 as a foundation course; **Effective Date:** Fall 2020 (202110).

Proposal 1920-058 was approved by consensus.

1920-059 Operations Support and Services, CPM.....Lee McCain

Purpose: Addition of GEB 1220 as a foundation course; **Effective Date:** Fall 2020 (202110).

Proposal 1920-059 was tabled at the February Meeting.

Proposal 1920-059 was approved by consensus.

1920-087 JOU 2041C Feature Writing, CCA.....C. Lewis

Purpose: This course will serve as a second tier journalism course where students will conduct long-form writing. Additionally, this course content will help support The Valencia Voice; **Credit/Contact/Lab:** 3/3/2; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** In this course, students will flex their creative writing skills to maximize the impact on a chosen audience. From lifestyle journalism to corporate profiles and nonprofit successes, students will conceptualize and execute feature content through all stages of development. Upon completion, successful students will be published writers of feature content and will have the beginnings of a professional content portfolio; **Effective Date:** Fall 2020 (202110).

Their intent for creating this course is to build out more writing options for students in the degree.

Proposal 1920-087 was approved by consensus.

1920-088 MMC 2733 Social Media Campaigns, CCA.....C. Lewis

Purpose: This course will serve as a capstone course for the degree program. Additionally, students who work full-time outside of the discipline can use this course as substitution for the currently required internship; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** MMC 2150 and MMC 2450; **Co-requisites:** None; **Catalog Course Description:** In this course, students will create a comprehensive social media campaign. This course seeks to help students understand social media's role as a communication tool and how it can be optimized in an integrated new media communication strategy; **Effective Date:** Fall 2020 (202110).

A committee member commented that they have been really trying to make sure capstone courses across the college include the word capstone in the title.

The presenter explained that although the course is a capstone it would not be a requirement for all students.

It was pointed out that if its purpose is truly to serve as a capstone, as mentioned in the proposals purpose, then it should be changed to reflect that.

The course title was changed to: Social Media Campaigns-Capstone

Proposal 1920-088 was approved with the above change.

1920-089 MMC 2450 Data Literacy for Communicators, CCM.....Courtney Lewis

Purpose: Revise prerequisites; **Revised Prerequisites:** Recommend MGF 1106 or higher level statistics course; **Effective Date:** Fall 2020 (202110).

The prerequisite was changed to: Recommended Prerequisite MGF 1106 or STA 1001C or higher level statistics course.

Proposal 1920-089 was approved with the above change.

1920-090 A.S. in New Media Communication, CPM.....Courtney Lewis

Purpose: Several students in the first year have requested a course sub for the required internship. Many of the students do not have sufficient portfolio work in social media and there was no equivalent course. MMC 2733 has been created as a capstone course that can sub for the internship for students who may work full-time outside of the discipline; **Effective Date:** Fall 2020 (202110).

Proposal 1920-090 was approved by consensus.

1920-091 OST 2943 Internship in Medical Office, CCM.....B Wanielista

Purpose: Prerequisite changes for the Medical Front Office Specialization since OST 2453C and OST 1611C do not apply. Prerequisites should read: Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes; and 12 credits, including OST 1467C and OST 2464C; **Revised prerequisites:** Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes; and 12 credits, including OST 1467C and OST 2464C; **Effective Date:** Fall 2020 (202110).

Proposal 1920-091 was approved by consensus.

1920-092 Entertainment - Stage Technology Certificate, CPM.....K. Abel

Purpose: TPA 2252C Introduction to Audio Visual Technology will be added to this technical certificate as an alternative to TPA 2290C for the purpose of providing students with a choice that will better fit some students' schedules and more closely align with their career goals. Some of our Technical Certificate students are professionals in the live entertainment technology industry and don't need the production experiences that TPA 2290C Technical Theater Production provides because

they have had those experiences on the job, but they often need to update their audio visual production skills; **Effective Date:** Fall 2020 (202110).

TPA 2252C will be added as an OR option. Their aim is to ensure that working professionals, such as students not enrolled in an AS degree, can also receive some professional benefit.

Proposal 1920-092 was approved by consensus.

1920-093 EPI 0009 Foundations of Reading Instruction, CCA.....E. Costello

Purpose: FAC Rule 6A-5.066 3(a & b) changed in October 2019: "Scientifically researched and evidence-based reading instructional strategies appropriate to the candidate's teacher preparation program area as follows: a. Candidates in prekindergarten-primary (age 3-Grade 3), elementary (K-6), and exceptional student education (K-12) certification programs shall be prepared in reading endorsement competencies one (1) through four (4). b. Candidates in middle grades (5-9), secondary (6-12), and elementary and secondary coverage (K-12) certification programs shall be prepared in reading endorsement competencies one (1) and two (2).";

Credit/Contact/Lab: 3/3/0; **Prerequisites:** Admission to Educator Preparation Institute Program; **Co-requisites:** None; **Catalog Course Description:** This course focuses on developing a substantive understanding of six components of reading as a process: comprehension, oral language, phonological awareness, phonics, fluency, and vocabulary; **Effective Date:** Fall 2020 (202110).

Proposal 1920-093 was approved by consensus.

1920-094 ETM 1601C HVAC Systems and Devices, CCM.....D. Hall

Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within our higher level courses; **Revised Prerequisites:** None; **Effective Date:** Fall 2020 (202110).

Students are struggling in their higher level courses. The prerequisite revision will help them to be more successful in those courses.

Proposal 1920-094 approved by consensus.

1920-095 ETM 1602C Automated Electrical Systems and Devices, CCM....D. Hall

Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within this course; **Revised Prerequisites:** ETM 1601C; one of the following: PHY 1020, MAC 1105 or higher, MGF 1106, MGF 1107, STA 2023; **Effective Date:** Fall 2020 (202110).

Proposal 1920-095 approved by consensus.

1920-096 ETM 1603C Automation and Controls Design Through Commissioning, CCM.....D. Hall
Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within this course; **Revised Prerequisites:** ETM 1600C and ETM 1601C;
Effective Date: Fall 2020 (202110).

Proposal 1920-096 approved by consensus.

1920-097 ETM 1604C Energy Management Concepts, CCM.....D. Hall
Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within this course; **Revised Prerequisites:** ETM 1600C and ETM 1601C;
Effective Date: Fall 2020 (202110).

Proposal 1920-097 approved by consensus.

1920-098 ETM 2010C Mechanical Measurement and Instrumentation, CCM.....J. McDonald
Purpose: Removed prerequisite. This is mainly a hands-on laboratory course for students to become familiar with instrumentation and tools and their usage in industry.
2) Changed contact from 3/4/1 to 3/4/2; **Revised Credit/Contact/Lab:** 3/4/2; **Revised Prerequisites:** None; **Effective Date:** Fall 2020 (202110).

Proposal 1920-098 approved by consensus.

1920-099 ETM 2608C Automated Building Operations, CCM.....D. Hall
Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within this course; **Revised Prerequisites:** ETM 1600C and ETM 1601C;
Effective Date: Fall 2020 (202110).

Proposal 1920-099 approved by consensus.

1920-100 HSA 4702 Research Methods and Info Literacy, CCD.....S. Gosnell
Purpose: Course number changed to HSA 3702; **Effective Date:** Fall 2020 (202110).

1920-101 HSA 3702 Research Methods and Info Literacy, CCA.....S. Gosnell
Purpose: Students tend to postpone taking this course until late in the program because the course number implies that it may be very challenging. Changing the course number to 3000 level will help alleviate this fear and support our advice for them to take it during the first or second semester. This will allow them to benefit from the skills attained in the course as they complete writing assignments in other program courses; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Admission into a BS degree program in Radiologic & Imaging Sciences or Cardiopulmonary Sciences; **Co-requisites:** None; **Catalog Course Description:** Research methods and information literacy are important because the health care profession is continually changing, which requires the allied

health professional to possess new knowledge to function competently. The allied health professional should contribute to the body of knowledge and be able to effectively analyze resources to promote growth in the profession. The attitude of lifelong learning enables the professional to stay in step with the current health care environment and be prepared to help foster the future and increase awareness of the profession in the global community. This content is geared to increase and disseminate intellectual inquiry, information literacy and the use of scholarly research methods. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences or Cardiopulmonary Sciences B.S. degree requirements; **Effective Date:** Fall 2020 (202110).

The faculty believe that the course has evolved over the years and is more of an entry level course. They have been struggling to get students to take the course earlier in their degree. They hope that by changing the course number it will help remove some of the intimidation for the students.

Proposals 1920-100 and 1920-101 were approved by consensus.

1920-101A HSC 4640 Health Law & Compliance, CCM.....S. Gosnell
Purpose: Update course number of pre-requisite; **Revised Prerequisites:** Admission into the BS in Radiologic & Imaging Sciences, or the BS in Cardiopulmonary Sciences programs, or the ATC in Leadership in Healthcare. Minimum grade of C in HSA 3702; **Effective Date:** Fall 2020 (202110).

Proposal 1920-101A was approved by consensus.

1920-102 RTE 3116 Advanced Patient Care, CCM.....S. Gosnell
Purpose: Updating the prerequisites to include students admit to the Vascular Ultrasound ATC program; **Revised Prerequisites:** Admission into the BS in Radiologic & Imaging Sciences program, or the ATC in CT, MRI, Mammography or Vascular Ultrasound; **Effective Date:** Fall 2020 (202110).

Proposal 1920-102 was approved by consensus.

1920-103 B.S. in Cardiopulmonary Sciences, CPM.....Susan Gosnell
Purpose: Update course number for Research Methods from HSA 4702 to HSA 3702; **Effective Date:** Fall 2020 (202110).

Proposal 1920-103 was approved by consensus.

1920-104 B. S. in Radiologic and Imaging Sciences (BSRAD), CCM.....Susan Gosnell
Purpose: Update course number for Research Methods from HSA 4702 to HSA 3702; **Effective Date:** Fall 2020 (202110).

Proposal 1920-104 was approved by consensus.

**1920-105 REE 1500 Introduction to Residential Property Management,
CCM.....E Warfield**

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail;
Revised Course Title: Introduction to Property Management; **Effective Date:** Fall 2020 (202110).

The presenter explained that the term residential is more of a reference to the apartment industry. They are trying to broaden appeal to business students and give a clearer picture of what the courses are really about. This change will also open up opportunities for some internships.

Proposal 1920-105 was approved by consensus.

**1920-106 REE 2430 Residential Property Management Law,
CCM.....E Warfield**

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail;
Revised Course Title: Property Management Law; **Revised Prerequisites:** None;
Effective Date: Fall 2020 (202110).

Proposal 1920-106 was approved by consensus.

**1920-107 REE 2503 Residential Property Management Budgeting & Finance,
CCM.....E Warfield**

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail;
Revised Course Title: Property Management Budgeting & Financials; **Revised Prerequisites:** REE 1500; **Effective Date:** Fall 2020 (202110).

Proposal 1920-107 was approved by consensus.

**1920-108 REE 2505 Residential Property Maintenance for Managers,
CCM.....E Warfield**

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail; **Revised Course Title:** Property Management: Maintenance for Managers; **Revised Prerequisites:** REE 1500; **Effective Date:** Fall 2020 (202110).

Proposal 1920-108 was approved by consensus.

1920-109 REE 2506 Residential Property Management and Leadership, CCM.....E Warfield

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail; **Revised Course Title:** Property Management and Leadership; **Revised Prerequisites:** REE 1500; **Effective Date:** Fall 2020 (202110).

Proposal 1920-109 was approved by consensus.

1920-110 REE 2507 Residential Property Security and Risk Management, CCM.....E Warfield

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail; **Revised Course Title:** Property Management: Security and Risk; **Effective Date:** Fall 2020 (202110).

Proposal 1920-110 was approved by consensus.

1920-111 REE 2508 Residential Property Management of Specialized Housing, CCM.....E Warfield

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail; **Revised Course Title:** Management of Specialized Housing; **Effective Date:** Fall 2020 (202110).

Proposal 1920-111 was approved by consensus.

1920-112 REE 2943 Internship in Residential Property Management, CCM.....E Warfield
Purpose: Changes are to make the degree broader in appeal to property management and expanding the types of internships to include office and retail management opportunities; **Revised Course Title:** Internship in Property Management; **Effective Date:** Fall 2020 (202110).

Proposal 1920-112 was approved by consensus.

1920-113 REE 2951 Residential Property Management Capstone Project, CCM.....E Warfield
Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by distinguishing Property Management which includes all commercial including multi-family, office and retail; **Revised Course Title:** Property Management Capstone Project; **Revised Prerequisites:** REE 1500, REE 2502, REE 2503; **Effective Date:** Fall 2020 (202110).

Proposal 1920-113 was approved by consensus.

1920-114 A.S. in Residential Property Management, CPM.....E. Warfield
Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry; **Revised Program Title:** A.S. in Property Management; **Effective Date:** Fall 2020 (202110).

Proposal 1920-114 was approved by consensus.

1920-115 AVM 1010 Aviation Management, CCM.....H. Heffernan
Purpose: The changes to this course outline were to add three outcomes included in the Supervision and Management for Industry: Aviation Maintenance Technician Track Program. This was required to include learning outcomes for Intro to Business because the two aviation management courses replaced two business courses in the Supervision and Management for Industry degree. This course was changed from 3 credits to 6 credits due to adjusted course content; **Revised Course Title:** Aviation Maintenance and Business Operations; **Effective Date:** Fall 2020 (202110).

The credit/contact/lab hours were changed to: 6/3/0

Proposal 1920-115 was approved with the above change.

1920-116 A.S. in Supervision and Management for Industry, CPM.....H. Heffernan

Purpose: Changes were made to modify an existing program into a specific program for a new college partner (Aviator College). Note: The course listed in this change as AVM 1010 Aviation Maintenance, has concurrently been changed to AVM 1010 Aviation Maintenance and Business Operations and changed from 3 credits to 6 credits. The Advanced Course hours has been adjusted to 15, so it will be correct when both the course and program have been approved; **Effective Date:** Fall 2020 (202110).

Proposal 1920-116 was approved by consensus.

1920-117 CJE 2062 Peace, Conflict and the Police, CCM..... J McDonald

Purpose: Removed ENC 1102 as a pre-requisite, removed a major student learning outcome and added a new major student learning outcome; **Revised Prerequisites:** None; **Effective Date:** Fall 2020 (202110).

Proposal 1920-117 was approved by consensus.

1920-118 CET 2114C Digital Systems, CCA R. Bunea

Purpose: To align to the required standards in the curriculum framework;
Credit/Contact/Lab: 3/4/2; **Prerequisites:** EET 1214C and either MTB 1329 or MAC 1105 or department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides students with a basic understanding of the characteristics and operation of digital systems. Topics include number systems, codes, logic gates, Boolean algebra, logic simplification and combinational logic. The course also include the study of digital counters and registers decoders and encoders, and multiplexers used in the applications of combinational and sequential logic. The laboratory exercises cover the measurement and analysis of digital circuits and devices; **Effective Date:** Fall 2020 (202110).

Proposal 1920-118 was tabled at the April meeting.

1920-119 CET 2118C FPGA Design using VHDL, CCM R. Bunea

Purpose: Prerequisites modified due to new courses; **Revised Prerequisites:** CET 2113C or CET 2114C or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-119 was tabled at the April meeting.

1920-120 CET 2123C Fundamentals of Microprocessors, CCM..... R. Bunea

Purpose: Curriculum improvement - introduction to C. Arithmetic and logic operations using different software: C, Assembly, and Machine Code; **Revised Credit/Contact/Lab:** 3/4/2; **Revised Prerequisites:** CET 2112C or CET 2114C or department approval; **Revised Catalog Course Description:** Introduction to basic principles of microprocessor hardware architecture and software programming. Students will be introduced to hardware architecture, software programming, interfacing Input/output devices, and hands on real-world applications; **Effective Date:** Fall 2020 (202110).

The prerequisite was changed to: CET 2112C or department approval.

Proposal 1920-120 was approved with the above change.

1920-121 CET 3136C Logic Devices Programming, CCM.....M. Ejaz

Purpose: Modified outline slightly by removing 'AHDL', which is HDL developed by Altera and not as flexible as VHDL; 2. Added some course learning outcomes and evidence of learning; **Revised Catalog Course Description:** An in depth study of hardware and software architecture of programmable logic devices. Topics include PLDs architecture and design of Altera hardware and software description language, HDL format and syntax, and representation of data in VHDL logic circuits. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology B.S. degree requirement; **Effective Date:** Fall 2020 (202110).

Proposal 1920-121 was approved by consensus.

1920-122 CET 4190C Digital Signal Processing, CCM.....M. Ejaz

Purpose: (i) Changing outline to include more generic language for projects.
(ii) This is the only signal processing course in the program, hence, it is an introductory level course, not an advanced level. Making this change in the outline as well.
(iii) Fixing performance indicators of course learning outcome # 5; **Revised Catalog Course Description:** This introductory signal processing course includes the study of signals and systems, transformation techniques, digital filter designs, and practical applications of DSP. Students will work on design projects to get an in-depth understanding of signals, systems, and DSP applications. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology, B.S. Degree requirement; **Effective Date:** Fall 2020 (202110).

Proposal 1920-121 was approved by consensus.

1920-123 EET 2035C AC/DC Circuits, CCA R. Bunea

Purpose: To align to the required standards in the curriculum framework;
Credit/Contact/Lab: 3/4/2; **Prerequisites:** EET 1214C and either MTB 1329 or MAC 1105 or department approval; **Co-requisites:** None; **Catalog Course Description:** Fundamental course in DC and AC circuits designed to prepare students for advanced classes that apply the concepts of AC and DC circuits. This course includes a study of laws, theorems, and components used in DC and AC circuit analysis. Hands-on laboratory experiences reinforce content taught in lecture; **Effective Date:** Fall 2020 (202110).

Proposal 1920-123 was tabled at the April meeting.

1920-124 EET 2140C Electronics Devices and Circuits, CCA..... R. Bunea

Purpose: To align to the required standards in the curriculum framework;
Credit/Contact/Lab: 3/4/2; **Prerequisites:** EET 1025C or EET 2035C or department approval; **Co-requisites:** None; **Catalog Course Description:** This course is a study of the characteristics of the semiconductor diodes, transistors, small signal analysis of linear integrated circuits, and operational amplifiers including decibels, Bode plots, and feedback. The laboratory exercises cover the measurement and analysis of solid state and linear circuits and devices; **Effective Date:** Fall 2020 (202110).

Proposal 1920-124 was tabled at the April meeting.

1920-125 EET 2325C RF Communication, CCM..... R. Bunea

Purpose: Prerequisites modified due to new courses; **Revised Prerequisites:** EET 1141C or EET 2140C or departmental approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-125 was tabled at the April meeting.

1920-126 EET 2365C Wireless and Data Communication, CCM..... R. Bunea

Purpose: Prerequisites modified due to new courses; **Revised Prerequisites:** CET 2113C or CET 2114C and EET 1141C or EET 2140C, or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-126 was tabled at the April meeting.

1920-127 EGS 2373 Principles of Electrical Engineering, CCMMohua Kar

Purpose: The retention rate and success rate of the engineering classes are usually lower compare to non-engineering courses. The failing rate in engineering classes exceeds 40%. Active learning techniques, classroom demonstration and hands-on activity are beneficial to the students to better understand the concepts and develop engineering problem-solving skills. However, currently the lecture time is not sufficient to incorporate these techniques while ensuring completion of the mandatory learning outcomes as required for the specific course. For the past two years we have incorporated a mandatory additional one hour per week into the course requirements in order to improve the retention rate and success rate. These mandatory tutoring hours (Recitation session) are funded in part by an NSF grant and staffed with students who have just completed the courses with highest performance level. The following are some of the results observed: • EGN 2322 – overall withdraw rate improved from 23.4% to 14.6% • EGN 2312 – overall withdraw rate improved from 19.25% to 14.5% • Post survey results show 80% of the students felt that the recitation session activities helped improve their understanding of the material. • EGN 2322 – the average of first exam increased by 10 points and the success rate improved by 10% this semester which has recitation hour over last semester without the recitation hour. • EGN 2312 – the average of first exam increased by 3 points and the success rate improved by 6% this semester which has recitation hour over last semester without the recitation hour. • The passing rate of EGS 2004 with recitation hour is 15% more than past semesters

without the recitation hour. • Survey taken just after the Exam 1 revealed that 76.4% of EGN 2322 and 84.6% of EGS 2004 students said that the recitation sessions help them to get better grade in Exam 1. • As a result of these recitation sessions the students participation inside and outside the classroom has significantly increased. This is an added benefit as teamwork and communication skills are essential skills for an engineer. • The early results from EGN 2312 didn't show significant difference This NSF grant will end in May 2020. We would like to continue having an additional hour of class time to improve students' performance. This extra one hour class time will be used for active learning activities and some hands on experiments or demonstrations; **Revised Credit/Contact/Lab:** 3/4/1; **Effective Date:** Fall 2020 (202110).

Proposal 1920-127 was tabled at the April meeting.

1920-128 ETI 2644 Production and Inventory Control, CCAA. Notash
Purpose: Course number change from ETI 1644 to ETI 2644. Changes originally submitted in May 2018; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** In this course, students will learn how to use manufacturing planning and control systems to coordinate material, labor, capacity and other resources to optimize manufacturing operations. Students also learn the key features of automated systems that can be used to manage the supply chain process. The course will cover production planning and inventory control including scheduling, MRP, and capacity planning; **Effective Date:** Fall 2020 (202110).

ETI 1644 will be deleted effective Fall 2020.

Proposal 1920-128 was approved by consensus.

1920-129 ETS 2221C Introduction to Electro-Optical Devices, CCM R. Bunea
Purpose: Prerequisites modified - add department approval; **Revised Prerequisites:** ETS 1210C or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-129 was approved by consensus.

1920-130 ETS 2230C Introduction to Lasers, CCM R. Bunea
Purpose: Prerequisites modified - add department approval; **Revised Prerequisites:** ETS 1210C or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-130 was approved by consensus.

1920-131 ETS 2511C Electromechanical Systems, CCM R. Bunea
Purpose: Prerequisites modified due to new courses; **Revised Prerequisites:** EET 2035C or EET 1025C or EET 1036C or EET 1084C or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-132 was tabled at the April meeting.

1920-132 ETS 2542C Programmable Logic Controllers I, CCM..... R. Bunea
Purpose: Prerequisites modified due to new courses; **Revised Prerequisites:** CET 2114C or CET 2112C or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-132 was tabled at the April meeting.

1920-133 ETS 2544C Programmable Logic Controllers II, CCM..... R. Bunea
Purpose: Prerequisites modified-add department approval; **Revised Prerequisites:** ETS 2542C or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-133 was approved by consensus.

1920-134 ETS 2604C Robotics Applications, CCM..... R. Bunea
Purpose: Prerequisites modified - add department approval option; **Revised Prerequisites:** ETS 1603C or department approval; **Effective Date:** Fall 2020 (202110).

Proposal 1920-134 was approved by consensus.

1920-135 A.S. in Electronics Engineering Technology, CPM.....R. Bunea
Purpose: AS to BS re-alignment; **Effective Date:** Fall 2020 (202110).

Proposal 1920-135 was tabled at the April meeting.

1920-136 A.S. in Engineering Technology, CPM.....A. Notash
Purpose: 1) Remove ETD 1320C (course not found). 2) Add ETD 1103C. 3) Change ETI 1644 course number to ETI 2644. This change was originally submitted in May 2018; **Effective Date:** Fall 2020 (202110).

Proposal 1920-136 was approved by consensus.

1920-137 Advanced Electronics Technician Certificate, CPM.....R. Bunea
Purpose: As to BS Realignment; **Effective Date:** Fall 2020 (202110).

Proposal 1920-137 was tabled at the April meeting.

1920-138 Basic Electronics Technician Certificate, CPM.....R. Bunea
Purpose: As to BS Realignment; **Effective Date:** Fall 2020 (202110).

Proposal 1920-138 was tabled at the April meeting.

1920-139 Pre-Major, Electrical and Computer Engineering Technology (Valencia College), CPD.....R. Bunea

Purpose: A new streamline pathway (AS to BS) was created through the AS EET program; **Effective Date:** Fall 2020 (202110).

Proposal 1920-139 was tabled at the April meeting.

1920-140 CEN 4333C Advanced Database Development, CCM.....Lisa Macon

Purpose: This course is in the BAS CTSD program. This prerequisite was included in the original course proposal but never made it to the credit course addition form; **Revised Prerequisites:** Grade of C or higher in CGS 2545C; **Effective Date:** Fall 2020 (202110).

Proposal 1920-140 was approved by consensus.

1920-141 CEN 4802C Software Integration, Configuration, and Testing, CCM.....Lisa Macon

Purpose: Networking skills needed for network deployment unit; **Revised Prerequisites:** Minimum grade of C in CTS 1134C and minimum grade of C in CEN 3024C; **Effective Date:** Fall 2020 (202110).

Proposal 1920-141 was approved by consensus.

1920-142 B.A.S. in Computing Technology & Software Development (A.A. Program Requirements), CPA.....Lisa Macon

Purpose: To create tab for AA students to plan degree; **Effective Date:** Fall 2020 (202110).

Proposal 1920-142 was approved by consensus.

1920-143 B.A.S. in Computing Technology & Software Development (A.S. Program Requirements), CPM.....Lisa Macon

Purpose: To modify electives; **Effective Date:** Fall 2020 (202110).

Proposal 1920-143 was approved by consensus.

5. Discussion Items:

- *Pathways Degree Update*

Streamlining the pathways for students into Bachelor degrees. Removing pre-majors and transfer plans area from catalog.

6. Information Items:

- *“Or departmental approval” wording was added to all upper division Business courses so Engineering Technology students can enroll in those courses. Priority registration will be given to Business students.*

The next meeting of the College Curriculum Committee is scheduled for May 13, 2020, and will be held electronically. Deadline for submission of materials for the agenda is **April 13, 2020.**