



June 26, 2019

**TO:** THE DISTRICT BOARD OF TRUSTEES  
OF VALENCIA COLLEGE

**FROM:** SANFORD C. SHUGART  
President

**RE:** APPROVAL OF 2019-2020 COLLEGE CATALOG AND ACADEMIC CALENDAR

The President recommends that the District Board of Trustees approve the catalog changes (between the 2018-2019 and 2019-2020 catalogs), and the academic calendar, as attached.

<http://catalog.valenciacollege.edu/>

**RECOMMENDED ACTION:**

The President recommends that the District Board of Trustees of Valencia College approve the 2019-2020 College Catalog, and the 2019-2020 Academic Calendar, as presented.

A handwritten signature in black ink, reading "Sanford C. Shugart". The signature is written in a cursive style and is positioned above a horizontal line.

President

## Summary of Substantive Catalog Changes for 2019-20

5/28/19

CATALOG SECTION	CHANGES IN THAT SECTION
THROUGHOUT CATALOG	Added Downtown Campus
ABOUT VALENCIA COLLEGE	Added Downtown Campus
DEGREE AND CERTIFICATE PROGRAMS	<ol style="list-style-type: none"> <li>1. Revised Welcome New Students entry to remove reference to dropping students from courses if they do not successfully complete SLS 1122 in the first 18 credits or two terms</li> <li>2. Clarified Pre-Major language to refer to explain courses included on both introductory page and each pre-major overview page: Each pre-major is a planned course of study that includes suggested courses in several areas: Courses to satisfy Valencia’s general education requirements for the A.A. degree, the Statewide Common Course Prerequisites for the specific upper division major, the requirements needed to transfer to the University of Central Florida, and/or another Florida public institution, and courses that have been selected by faculty as best preparation for your major but are not required for transfer.</li> <li>3. Changed Pre-Major tab title from Program Requirements to Planned Course of Study</li> <li>4. Changed Transfer Plans tab title from Program Requirements to Planned Course of Study</li> <li>5. See second section of this document for curricular additions, modifications and deletions</li> </ol>
TRANSFER PLANS	See second section of this document
COURSE DESCRIPTIONS	See second section of this document
IMPORTANT DATES & DEADLINES	Posted to web Changed Suspension Readmission Request Deadline to Suspension Readmission Process Deadline
CAMPUSES	Edited Osceola Campus entry to add Residential Property Management
BOARD OF TRUSTEES	<ol style="list-style-type: none"> <li>1. Revised Tracey Stockwell’s entry to note Vice-Chair</li> <li>2. Added trustee Beth Smith</li> </ol>
ADMISSIONS	<ol style="list-style-type: none"> <li>1. Updated Summary of Admissions Requirements chart to note FL residency required for Dual Enrollment students &amp; refer to online application</li> <li>2. Updated Residency entry to note ...GED or score report earned within the last 12 months with a FL high school transcript showing two years...</li> <li>3. Revised Reclassification entry to replace 3 document choices (DL, vehicle or voter registration) with the term “Tier 1 document”</li> <li>4. Revised Dual Enrollment entry to remove reference to Grade 10 FSA ELA or Algebra 1 EOC scores for Orange County public and charter students and to note students can submit residency documents when submitting the DE application or any time thereafter</li> <li>5. Revised Inactive Student entry to refer to Florida Residency section for information on re-establishing residency</li> <li>6. Revised International Students entry to add reference to myISS portal for submission of documents</li> </ol>
RECORDS	Added Downtown Campus to home campus designation choices

REGISTRATION	No changes
FINANCIAL INFORMATION & FEES	<ol style="list-style-type: none"> <li>1. Revised Payment of Registration Fees entry to new directions on how to check balance due and added advisory language that it is their responsibility to be sure their account balance is zero</li> <li>2. Revised Tuition Installment Plan entry to note enrollment fee is non-refundable and based on when they enroll; updated TIP detail link</li> <li>3. Created Tuition &amp; Fees Exemptions and Waivers page that puts all info on one page with new introduction on Space Available Waivers; include new information on Homeless and Foster waivers and renamed Foster Youth to Relative Caregiver or Adoption; added statement that exemptions cover tuition and fees and do not include other costs of attendance such as books and room and board</li> <li>4. Removed Senior Citizen and Classroom Teacher Waiver pages</li> <li>5. Revised Special Fees entry to include \$8/credit distance learning fee (expected approval at June 2019 District Board of Trustees meeting)</li> <li>6. Revised Estimated Expenses as submitted</li> </ol>
GAINFUL EMPLOYMENT	No changes
FINANCIAL AID	<ol style="list-style-type: none"> <li>1. Revised Priority and SAP deadlines</li> <li>2. Revised certificates eligible for aid</li> <li>3. Revised Pell Grant entry with 2019 amounts</li> <li>4. Revised Veterans entry to contact the Accelerated Skills Training Program for advising prior to registration</li> </ol>
STUDENT AND CAMPUS SERVICES	<ol style="list-style-type: none"> <li>1. Revised LifeMap entry to remove reference to “what to do when” and LifeMap signage and publications</li> <li>2. Revised Advising entry with new title of Change of Program/Major form</li> <li>3. Revised Equal Opportunity entry with new policy number and title; removed reference to ombudsman and replaced with Deputy Title IX Coordinators</li> </ol>
ENTRY TESTING & PLACEMENT AND MANDATORY COURSES	<ol style="list-style-type: none"> <li>1. Removed reference to Academic Review as it was removed from New Student Orientation</li> <li>2. Revised Reading and English placement charts to remove REA 0017 and ENC 0025 and replace them with ENC 0027; updated scores for ENC 0027 accordingly</li> <li>3. Revised ENC 1101 placement note for clarity to read: Enrollment in <a href="#">ENC 1101</a> FRESHMAN COMPOSITION I (the first college-level English course) requires college-level placement scores in both English and reading. Students may be considered exempt from developmental education and can enroll in ENC 1101 if they meet the exemption under <a href="#">Florida Statute 1008.30</a>.</li> <li>4. Updated math pathways chart with additional statistics pathway (MGF 1106 &gt; STA 2023)</li> <li>5. Revise Dual Enrollment entry to remove reference to Grade 10 FSA ELA or Algebra I EOC scores</li> <li>6. Revised International students placement chart to add ACT and SAT at college level to be used for placement</li> <li>7. Added Intensive English Program (IEP) to EAP bridge agreement to show additional pathway into EAP levels 5 and 6</li> <li>8. Removed references to Compass ESL and added ACCUPLACER ESL (LOEP)</li> <li>9. Revised description of Non-Immigrants (international students) chart to read: <b>Non-Immigrants (international students)</b> who do not speak English as a native language must submit ACCUPLACER ESL (LOEP), TOEFL or IELTS scores to determine language proficiency.</li> </ol>

	<ul style="list-style-type: none"> <li>10. Revised Non-Native Speakers of English entry to remove reference to Compass ESL and add ACCUPLACER ESL (LOEP); add ACCUPLACER ESL must have been taken at Valencia or approved at another location by the Assessment Department; added section on IEP to EAP bridge program</li> <li>11. Revised Immigrants, Refugees and U.S. Citizens who do not speak English as a Native Language entry to note students who place into EAP levels 2, 3 or 4 will be required to complete an online orientation</li> <li>12. Revised Intake Inventories entry to remove Academic Review</li> <li>13. Revised Mandatory Courses entry to remove ENC 0025 and REA 0017; added that students who do not complete SLS 1122 in their first 18 credits or two terms will have a hold placed on their record which will prevent future registration</li> </ul>
DISTANCE LEARNING	<ul style="list-style-type: none"> <li>1. Revised entry to refer students to Canvas 101 course in the Courses tab in Atlas to help determine readiness</li> <li>2. Updated Technology Requirements entry to refer to Canvas as our learning management system (LMS) and revised link to check technology and browse requirements</li> <li>3. Revised Accessibility statement</li> </ul>
ALTERNATIVE WAYS TO EARN CREDIT	<ul style="list-style-type: none"> <li>1. Updated Career Pathways entry with revised Career Clusters</li> <li>2. Added Tech Express page</li> </ul>
ACADEMIC POLICIES & PROCEDURES	<ul style="list-style-type: none"> <li>1. Revised Academic Course Load entry to refer students to an advisor to request an exception</li> <li>2. Revised Conditions that Apply to a Fourth Attempt in a Course entry to remove language that the fourth attempt is final and to refer students to Student Services for information in the appeal process</li> </ul>
EDUCATIONAL ENHANCEMENT OPPORTUNITIES	Revise Dual Enrollment entry to remove reference to Grade 10 FSA ELA or Algebra I EOC scores and add allotment of \$300 for home education students and note students in private schools must pay for their own textbook and instructional materials
TEACHER PREPARATION & RECERTIFICATION	<ul style="list-style-type: none"> <li>1. Updated Teacher Certification entry to add Pre-Major in Physical Education</li> <li>2. Updated Educator Preparation Institute URL</li> </ul>
SENEFF HONORS COLLEGE	No changes
RESOLUTION OF STUDENT ISSUES	Updated to reflect new positions & ODHR name
CONTINUING EDUCATION	No changes
DRUG FREE SCHOOLS & COMMUNITIES ACT	No changes
GLOSSARY	Added concentration, specialization, state common course prerequisite, track, and upper division course work

**Course and Program Changes from CCC  
(Additions, Modifications, and Deletions; Field Review Changes and Information Items)  
From May 2018 through March 2019 CCC meetings**

**Credit Course Additions**

**EET 1084C            Fundamentals of Electronics, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/4/2; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course introduces the fundamentals, terminology, and applications used in the electronics industry. Topics include DC and AC circuit theory principles, electronic components, transistor circuits, power supplies, electronic and digital logic circuits and techniques, instruments and measurements.

**ETI 1110            Introduction to Quality Assurance, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course defines the role of quality in an industrial environment. Topics include the use of quality management techniques, quality philosophies, process development, techniques used for evaluation, approaches used on continuous operations, methods used to control quality, the responsibility of quality assurance during engineering, and manufacturing, and the International Organization for Standardization (ISO) series of standards.

**ETI 1420            Manufacturing Materials and Processes, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course provides coverage of the characteristics, fundamentals, and manufacturing properties of materials, including metal alloys, polymers, ceramics, and composites. Metal casting, Shaping, and forming processes are covered along with the machines needed for manufacturing.

**ETI 1622            Concepts of Lean Manufacturing and Six Sigma, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** ETI 1110; **Co-requisites:** None; **Catalog Course Description:** This course introduces the basic principles and theories of lean manufacturing. Lean manufacturing involves identifying and eliminating non-value-adding activities in design, production, and supply chain management. The coverage includes topics related to cost reduction, work-free manufacturing, continuous flow, kaizen, the 5s's, value stream mapping, modular manufacturing, and Overall Equipment Effectiveness (OEE).

**ETI 1644            Production and Inventory Control, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **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.

**ETI 1701            Industrial Safety, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course focuses on the theories and principles of occupational safety and health in a practical and useful real world job related setting. The major topics include the occupational safety and health administration (osha) compliance, safety standards, code enforcement, ergonomic

hazards, mechanical hazards, falling, lifting, electrical hazards, fire hazards, industrial hygiene, radiation, noise, emergencies, and environmental safety.

**ETM 2010C                      Measurement and Instrumentation, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/4/1; **Prerequisites:** EET 1084C; **Co-requisites:** None; **Catalog Course Description:** This course expands the foundation for both mechanical and electronic measurement techniques used in manufacturing environments. The course will integrate the concepts, principles, and techniques of mechanical measurement with the use of various types of instruments including micrometers, verniers, calipers, gauges, and other types of measuring equipment. The course will also introduce the student to the basic measurement techniques employing electronic test equipment including the operation and usage of digital multimeters, function generators, and oscilloscopes.

**ETM 2315C                      Hydraulics and Pneumatics, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/4/1; **Prerequisites:** ETM 2010C; **Co-requisites:** None; **Catalog Course Description:** This course is an introduction to the basic hydraulic and pneumatic systems and devices found in advanced manufacturing facilities. Underlying scientific principles and their practical applications are covered. The laboratory work will reinforce the principles learned through hands-on experiments;

**ETM 2531C                      Human Machine Interfaces, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course teaches the knowledge and skills needed to configure a computer display for the graphics of a process and its control system, using a human machine interface (HMI) software package. Topics include designing process graphics, designing alarm indicators, setting up trending graphs, establishing data logging files, linking the various process input to the graphic objects created, and linking the process inputs and outputs for display and data logging.

**ETS 2535                      Automated Process Control, CCA**

**Purpose:** New course under new A.S. Engineering Technology (ASET) Degree; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** ETS 2542C; **Co-requisites:** None; **Catalog Course Description:** This course introduces the modern approach to control theory, and the ideas of controllability. The popular proportional plus integral plus derivative (PID) control scheme is covered in detail. Assignments provide experience with sensors, level control, flow control, pressure control, temperature control, DAC and ADC conversion, digital set point applications, and analog processing. The Allen-Bradley and Siemens processors will be used as the process controllers with a process control trainer to design, construct, interface, program and troubleshoot control circuits and systems.

**CEN 3024C                      Software Development I, CCA**

**Purpose:** This is a required course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in either COP 3330C or COP 2805C; **Co-requisites:** None; **Catalog Course Description:** Software development concepts are introduced in the context of hands-on project implementation. SDLC, version control, design with UML, documentation, testing, 2&3-tier architecture.

**CEN 4025C                      Software Development II, CCA**

**Purpose:** This is a required course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in CEN 3024C; **Co-requisites:** None; **Catalog Course Description:** A continuation of Software Development I with larger and more complex projects. Enterprise-level applications are covered including distributed, and web-based systems using n-tier architecture.

**CEN 4333C                    Advanced Database Development, CCA**

**Purpose:** This is a required course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Use of NOSQL databases and Hands-on exercises with current RDBMS software.

**CEN 4350C                    Open Source Web Technologies, CCA**

**Purpose:** Elective course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in either COP 2805C or COP 3330C; **Co-requisites:** None; **Catalog Course Description:** Web application development using currently popular open-source/open-standard tool. User-interface, the business layer, database, and deploying to the web-server. Students will install and configure the web server, using the current version of the Apache, running on a Linux machine. A significant part of this course will be learning PHP, MySQL, and JavaScript (Open Standard). Students will survey other open source tools including Drupal, Mambo, Typo3, Ruby on Rails, and if there is time and interest, Movable Type, WordPress, and TextPattern. Some specific types of websites will be explored, including Ecommerce sites, and sites that specialize in training.

**CEN 4360C                    Mobile Device Software Dev., CCA**

**Purpose:** Elective course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in COP 2805C or COP 3330C; **Co-requisites:** None; **Catalog Course Description:** Concepts and practice of software development for mobile devices. User Interface, data persistence, data communication, use of API's for sound, mapping, GPS, sensors, etc. This is a professional-level course. Students are expected to demonstrate use of several SDKs, build and deploy an application that is of significant scope. Monetizing applications is also discussed. An Android/iOS device is not required for this class, but students are encouraged to create and test applications on actual hardware.

**CEN 4370C                    .NET Software Development using C#, CCA**

**Purpose:** Elective course in the proposed Bachelor of Applied Science in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in COP 3330C or COP 2805C; **Co-requisites:** None; **Catalog Course Description:** .NET Windows and Web application development. Use of the .NET Framework class library. N-tier architecture. User interface, collections, database connectivity, and deployment.

**CEN 4930C                    Seminar in Advanced Software Dev., CCA**

**Purpose:** Required advanced course for proposed BAS in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in CEN 4025C; **Co-requisites:** None; **Catalog Course Description:** This course is focused on topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester.

**CEN 4802C                    Software Integration, Configuration, and Testing, CCA**

**Purpose:** Required course for proposed BAS in Software Development and Applied Computing; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in CEN 3024C; **Co-requisites:** None; **Catalog Course Description:** Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together.

**CEN 4910C                      Software Dev. Project, CCA**

**Purpose:** In support of new BAS in Software Development; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grades of C in CEN 4025C and CEN 4802C; **Co-requisites:** None; **Catalog Course Description:** A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience.

**COP 3330C                      Object Oriented Programming, CCA**

**Purpose:** Required course in proposed Bachelor of Applied Science in Software Development program; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Minimum grade of C in COP 1000C or department approval; **Co-requisites:** None; **Catalog Course Description:** A hands-on course in object-oriented programming for students who have completed a course in programming concepts or have some other programming experience. Students will create object-oriented applications with an emphasis on correct object-oriented programming techniques and will become familiar with object-oriented design, including the creation of classes and methods and the use of existing classes and methods, Graphical User Interface, file input/output, collections, multi-threaded applications, and database connectivity, and object-oriented design and analysis using the Unified Modeling Language (UML).

**ETI 4448C                      Applied Project Management, CCA**

**Purpose:** Required course in proposed Bachelor of Applied Science in Software Development program; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** Admission to the B.A.S. Software Development program; **Co-requisites:** None; **Catalog Course Description:** Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organization.

**MMC 2126C                      Radio and Podcasting, CCA**

**Purpose:** This course will serve as an elective for the New Media Communication A.S. degree. Radio Podcasting is an essential element to how today's communicators broadcast and disseminate messages. We have successfully offered this course twice as a special topic; **Credit/Contact/Lab:** 3/3/2; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course explores the study and practical application of writing, production, and performance for audio storytelling. Students will create live and pre-recorded news, promotions, and episodic content for podcasts and radio shows.

**PHI 2102                      Formal Logic, CCA**

**Purpose:** Our catalog has a Practical Logic Humanities course. We are proposing the Formal Logic class for students interesting in continuing studying logic. This will be an elective Humanities course; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Study of categorical syllogisms and contemporary symbolic logic, including both propositional and predicate logic. Course will explore how to translate arguments into symbolic form and will emphasize natural deduction. Students will be required to prove the validity of arguments, represented symbolically, using formal rules.

**APA 2000                      Payroll Accounting, CCA**

**Purpose:** Payroll skills are in high demand for graduating accounting students; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Minimum grade of C in APA 1111C or min grade of C in ACG 2021C; **Co-requisites:** None; **Catalog Course Description:** Payroll Accounting provides an in-depth study of payroll procedures. Course study includes the correct classification of employees and independent contractors, how to calculate gross wages for hourly and salaried employees, mandatory and voluntary withholdings, employer taxes, recording payroll, making federal tax deposits, and



state and federal payroll related tax report preparation. Students will learn to record payroll using appropriate technology.

**DAA 2662L                      Performance Ensemble: Valencia Dance Theatre, CCA**

**Purpose:** New course offering; **Credit/Contact/Lab:** 1/3/3; **Prerequisites:** Acceptance to A.A. Pre-Major: Dance Performance and selection through audition and department approval; **Co-requisites:** None; **Catalog Course Description:** Students rehearse and perform choreography created by faculty members and/or guest artists for the experience in a dance company. This course provides performance growth and development through performance experiences on campus and in the community. May include additional rehearsals away from campus. Multiple credit course. May be repeated for a maximum of four credit hours, but grade forgiveness cannot be applied.

**FSS 1206C                      Quantity Food Production for Hospitality & Restaurant Managers, CCA**

**Purpose:** Creating a new course to enhance student learning to meet the needs of the industry; **Credit/Contact/Lab:** 3/6/5; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Course includes skills needed for quantity food production. Students learn to apply skills, techniques of food preparation used in the food service industry. Students learn proper business and math skills needed for the food service industry. Introduction of basic food industry terminology and various equipment are also to be covered.

**HFT 2240                      Guest Service Management, CCA**

**Purpose:** Creating a new course to enhance student learning to meet the needs of the industry; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course provides strategies and tactics for managing service expectations and experiences. Delivering consistent, quality service requires the training and retraining of employees about the role of service professionals in the design, staffing, marketing, and management of the service system. Students will learn how to create a favorable guest service climate that harnesses the natural talents of service professionals. This course offers unique and useful guidance on the hiring, training, supporting, retention, and empowerment of service professionals;

**HFT 2861C                      Beverage Management and Service, CCA**

**Purpose:** New Beverage Certificate; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** HFT 1000; **Co-requisites:** None; **Catalog Course Description:** Course intended to familiarize students with basic beverage knowledge and service, and to offer the conceptual foundation for them to understand, develop, and manage a beverage program within their operations. Overview of major beverage categories utilized within a hospitality operation including: wine, beer and spirits.

**CET 2118C                      FPGA Design using VHDL, CCA**

**Purpose:** This class was created in response to the need of this level of expertise as requested by the engineering job market and local industry needs for skilled FPGA designers, and also as a result of feedback provided by the EET Program Advisory Board; **Credit/Contact/Lab:** 3/4/2; **Prerequisites:** CET 2113C or department approval; **Co-requisites:** None; **Catalog Course Description:** Introduction to the theory of FPGA (Field Programmable Gate Array) logic design with the implementation of VHDL (Very High Speed Integrated Circuit Hardware Description Language). Topics will include: combinational logic circuit design, graphical method for designing logic circuits, flip-flop designs, memory devices design, frequency division, encoders/decoders design, and counter design.

**FFP 1301                      Fire Protection Hydraulics and Water Supply, CCA**

**Purpose:** This year, the Fire Science Technology Advisory Board expressed concerns that some of the courses in the Academy Track program seemed too advanced for our students. Although most of the students have no fire service experience, some program curriculum seems more suited for fire officers. Therefore, the board suggested we replace

Academy Track courses with college level instruction that would better prepare students for entry level firefighter positions. This course is one we did not offer but the board asked for specifically; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course is an overview of the principles and applications of hydraulics, enabling students to analyze and solve water supply problems in fire protection. The curriculum also covers pump theory, pump rating, and pressure/vacuum gauges. This course is one of the two required to take the Florida State Fire College Pump Operator certification exam. Students must complete this course with a grade of 70 percent "C" or higher to receive credit.

**MUM 1642L                    Foley and Sound Design, CCA**

**Purpose:** New course required by the demand in the local industry as expressed in feedback from the Advisory Committee in the last 3 meetings; **Credit/Contact/Lab:** 1/2/2; **Prerequisites:** Minimum grade of C in MUM 2634L or in MUM 2630C, or Department Approval; **Co-requisites:** None; **Catalog Course Description:** Students learn to prepare surfaces and simulate specific types of shoes to record footsteps synchronized with picture, select and place the proper microphone(s) for specific situation, and to manipulate metals, wood, glass, rocks, fabrics, everyday items such as jars, gears, balls, and to use vegetables and produce to record sound effects synchronized to moving picture segments.

**MUM 1646C                    Dialog Editing and Voice Processing, CCA**

**Purpose:** New course that will be required in the Sound Production specialization in the AS in Sound & Music Technology. Allows training of students in the recording, processing, editing and mastering of voice-only programming, such as Audio Books and podcasts, as well as into the editing and processing of voice for audiovisual materials meant for Film, TV, Video Games, Training and simulation, etc. Local recording studios are doing more business in this field than in music recording, and this obeys the demand expressed in the past 3 Advisory Committee meetings; **Credit/Contact/Lab:** 2/3/2; **Prerequisites:** Minimum grade of C in MUM 2634L or in MUM 2630C; **Co-requisites:** None; **Catalog Course Description:** This course introduces students to the techniques used to extract, edit, and manipulate dialogue for Film, TV and Video Games, VR, and other multimedia productions, as well as voice for radio, voice-overs and narration. The course covers recovery and processing of dialogue from production sources including location sound, dialogue synchronization, the use of "WALLA" and foreign languages, and ADR.

**MUM 2623C                    MIDI Electronic Music I, CCA**

**Purpose:** New course offering; **Credit/Contact/Lab:** 4/6/4; **Prerequisites:** Minimum grade of C in MUT 1011C or MUT 1111; **Co-requisites:** None; **Catalog Course Description:** This course provides an introduction to MIDI production and sequencing using computers and digital audio workstations, including musical composition and arranging techniques. This course includes learning activities designed to ensure competence in the basic use of computers, file management, among others.

**MUM 2624C                    MIDI Electronic Music II, CCA**

**Purpose:** New course offering; **Credit/Contact/Lab:** 3/6/4; **Prerequisites:** Minimum grade of C in MUM 2623C; **Co-requisites:** None; **Catalog Course Description:** This course is designed to provide students further practical study in MIDI with particular focus on sound design, software synthesizers, creating sampler instruments, as well as additional techniques in MIDI sequencing, editing, composition and arranging, plus a broad view of electronic music and its history.

**MUM 1620L                    Psychoacoustics & Listening Skills, CCA**

**Purpose:** This course replaces MUM 1620C, the same course, but with only the lab activities and a lower number of credit and contact hours; **Credit/Contact/Lab:** 1/2/2; **Prerequisites:** Minimum grade of C in MUT 1011C or in MUT 1111; **Co-requisites:** None; **Catalog Course Description:** An introduction to fundamental concepts of Psychoacoustics with emphasis on developing critical listening skills.

**MUM 2663C                    Sound Recording I, CCA**

**Purpose:** Update of old course outline; **Credit/Contact/Lab:** 4/6/4; **Prerequisites:** Minimum grade of C in MUM 1002C or department permission; **Co-requisites:** MUM 2634L; **Catalog Course Description:** This course is designed to develop recording skills through a hands-on, project oriented curriculum and in-depth classroom studies in modern recording practices. Focuses on studio recording techniques on analog and digital equipment, large-format console signal flow, microphone theory, microphone selection, cue (headphone) mix, principles of audio over IP, dynamic and spectral processing while recording, studio procedures, standards, and etiquette. Students need to plan to spend between 6 and 10 additional hours in recording work.

**MUM 2664C                    Sound Recording II, CCA**

**Purpose:** Update of old course outline; **Credit/Contact/Lab:** 4/6/4; **Prerequisites:** Minimum grade of C in MUM 2663C and MUM 2634L; **Co-requisites:** None; **Catalog Course Description:** This course explores advanced recording studio techniques, studio calibration, and mixing techniques using split and in-line consoles, in mono, 2-channel stereo, and multi-channel surround sound in different configurations.

**VEC 1201C                    Introduction to Vegetable Gardening, CCA**

**Purpose:** This course was in the catalog but removed due to not being offered in several years. The Director of Leu Gardens, Robert Bowden, has offered to have this course taught there at Leu Gardens like ORH 1510C and ORH 1511C. It will added back to the elective course list for the A.S. degrees and Technical Certificates; **Credit/Contact/Lab:** 3/4/1; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students will learn in detail how to grow a wide variety of different vegetables suitable for growing in Florida in an environmentally sustainable manner.

**HFT 2021C                    Beer, Wine, and Beverage Essentials, CCA**

**Purpose:** Beverage certificate development; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** HFT 1000; **Co-requisites:** None; **Catalog Course Description:** Explore the world of wine and beer from a theoretical, cultural, and experiential approach. Overview of all major styles and variety of wine and beer. Learn production techniques, as well as major cultural implications and how they shape the creation and use of alcoholic beverages. Must be at least 18 years of age at time of enrollment. Professional wine tasting protocol requires that all students taste the wine and spit.

**HFT 2065C                    Fine Spirits Management and Mixology, CCA**

**Purpose:** Beverage certificate development; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This is an introductory course to bar management with a focus on mixology. Students learn bartending essentials, with a basic overview of legal rules and regulations needed to operate a business that provides alcoholic beverages. Mixology basics are offered, teaching students how to create art in a glass. Students are also offered an overview of basic spirits and their utilization in the crafting of libations. Must be at least 18 years of age at time of enrollment. Professional wine tasting protocol requires that all students taste the wine and spit; **Effective Date:** Fall 2019 (202010).

**HFT 2240                    Guest Service Management, CCA**

**Purpose:** Creating a new course to enhance student learning to meet the needs of the industry; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course provides strategies and tactics for managing service expectations and experiences. Delivering consistent, quality service requires the training and retraining of employees about the role of service professionals in the design, staffing, marketing, and management of the service system. Students will learn how to create a favorable guest service climate that harnesses the natural talents of service professionals. This course offers unique and useful guidance on the hiring, training, supporting, retention, and empowerment of service professionals.

**HFT 2263                    Restaurant and Food Service Management, CCA**

**Purpose:** Creating a new course to enhance student learning to meet the needs of the industry; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course includes a comprehensive

overview of the basic principles used in planning, analyzing, and managing a successful restaurant and food-service operation. Topics range from concept and menu development to the staffing and operation of commercial and institutional food and beverage organizations.

**HFT 2861C Beverage Management and Service, CCA**

**Purpose:** New Beverage Certificate; **Credit/Contact/Lab:** 3/3/1; **Prerequisites:** HFT 1000; **Co-requisites:** None; **Catalog Course Description:** Course intended to familiarize students with basic beverage knowledge and service, and to offer the conceptual foundation for them to understand, develop, and manage a beverage program within their operations. Overview of major beverage categories utilized within a hospitality operation including: wine, beer and spirits.

**MUM 2670C Avid Pro Tools 101/110 Fundamentals, CCA**

**Purpose:** This course is to be offered to professionals and amateurs in the community who need to be certified in AVID ProTools in order to satisfy employment requirements in local industries including but not limited to Music and Record Production; Audiovisuals and Sound Reinforcement;; Film, TV, and Streaming Program Sound; Training & Simulation; Audio Restoration; Forensics Audio, Security, and Law Enforcement; **Credit/Contact/Lab:** 3/5/4; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course is the first in a sequence of a courses preparing the student for the different levels of software certifications in Avid Pro Tools software, with the Certification Exams administered by Avid. This course is the introductory to intermediate sequence for Avid Pro Tools LE software and hardware. The student will be eligible to take the Pro Tools 101 and Pro Tools 110 exams at the culmination of this course.

**MUM 2671C Avid Pro Tools 201/210 Music Production, CCA**

**Purpose:** Allows students and graduates from the Sound & Music Technology program to earn Pro Tools Operator Certification in Music Production; **Credit/Contact/Lab:** 3/5/4; **Prerequisites:** MUM 2670C; **Co-requisites:** None; **Catalog Course Description:** This course is the second in a sequence of a courses preparing the student for the different levels of software certifications in Avid Pro Tools software, with the Certification Exams administered by Avid. This course is the Intermediate to advanced sequence for Avid Pro Tools HD software and hardware for Music Production. The student will be eligible to take the Pro Tools 201 and Pro Tools 210M exams at the culmination of this course.

**MUM 2672C Avid Pro Tools 130 for Video Game Sound, CCA**

**Purpose:** Allows current students and graduates to earn Pro Tools user certification for Video Games and VR Sound; **Credit/Contact/Lab:** 3/3/2; **Prerequisites:** MUM 2670C or Departmental Approval; **Co-requisites:** None; **Catalog Course Description:** This course is an in-depth study of production techniques used in creating and implementing game audio using the Avid Pro Tools audio production system. Analysis of game sonic requirements and workflow, audio element acquisition, sound effect production (Both foley and library), dialogue types, music usage, vehicle sounds, and cinematics will be studied, discussed, and demonstrated.

**MUM 2683C Avid Pro Tools 210/210P for Post Production, CCA**

**Purpose:** Allows students and graduates to earn Pro Tools Operator certification in Post Production; **Credit/Contact/Lab:** 3/5/4; **Prerequisites:** MUM 2670C; **Co-requisites:** None; **Catalog Course Description:** This course is the second in a sequence of a courses preparing the student for the different levels of software certifications in Avid Pro Tools software, with the Certification Exams administered by Avid. This course is the Intermediate to advanced sequence for Avid Pro Tools HD software and hardware for Post Production Sound. The student will be eligible to take the Pro Tools 201 and Pro Tools 210P exams at the culmination of this course.

**NUR 3667 Diversity and Global Trends in Nursing, CCA**

**Purpose:** To align course number with the three schools in the RN-BSN consortium; **Revised Prerequisites:** NUR 3825.

## **Credit Course Modifications**

**HFT 2600**

**Hospitality Law, CCM**

**Purpose:** Create missing course outline, TVCA indicators, and upload sample syllabus. Revise course description;

**Revised Course Description:** Provides awareness of rights and responsibilities that law grants to or imposes upon a hotelkeeper, and illustrates possible consequences of failure to satisfy legal obligations. Specific attention to innkeeper-guest relationship, contracts, torts, civil and property rights and insurable risks. Emphasis is on prevention of legal violations, by identifying actions and precautions necessary to avoid, or minimize lawsuits and legal issues.

**EPI 0020**

**Professional Foundations, CCM**

**Purpose:** Adding verbiage for C as a minimum passing grade; sync outline and catalog wording; **Revised Course**

**Description:** This course instructs the participant on the necessary foundation for becoming a productive member of the teaching profession. Topics include history and philosophy of education, school governance, school finance, school law, ethics, purpose of schools, and continuing professional development. A minimum grade of C is required to pass the course.

**EPI 0030**

**Diversity, CCM**

**Purpose:** Adding verbiage for C as a minimum passing grade; sync outline and catalog wording; **Revised Course**

**Description:** This course instructs the participant on the necessary understanding of the variety of backgrounds and cultures that may be found in a typical classroom and how social class, religion, language, gender differences, culture, ethnicity, physical differences, and prejudices have an effect on how students learn. A minimum grade of C is required to pass the course.

**EPI 0950**

**Teaching Methods Field Experience, CCM**

**Purpose:** Adding verbiage for C as a minimum passing grade; sync outline and catalog wording; **Revised Course**

**Description:** This course consists of a (minimum) 30-hour field experience in a public, charter or accredited private school which includes teaching demonstrations. A minimum grade of C is required to pass the course; **Revised Co-requisites:** None.

**ETM 1600C**

**Energy Management and Controls Technology Fundamentals, CCM**

**Purpose:** Modifications are in response to industry and are needed to improve EMCT AS degree pipeline; **Revised Course**

**Title:** Automation and Controls Fundamentals; **Revised Prerequisites:** None; **Revised Course Description:** This course provides a general overview of the Energy Management and Controls Technology industry. Topics include history, building automation systems manufacturers and contractors, industry scope and trends, career pathways and the skills sets required, types of building automation systems, and general building automation systems architecture.

**ETM 1601C**

**Energy Management and Controls Technology Devices, CCM**

**Purpose:** This course was created in response to industry and to better prepare students for a career within the EMCT field; **Revised Course Title:** HVAC Systems and Devices.

**ETM 1602C**

**Energy Management and Controls Technology Advanced Electrical Concepts, CCM**

**Purpose:** This course was modified in response to industry and to better prepare students for a career within the EMCT field; **Revised Course Title:** Automated Electrical Systems and Devices; **Revised Prerequisites:** ETM 1600C; **Revised Course Description:** Topics covered include power supplies, power distribution, circuit protection, electric motor theory, electric generator theory, types of electric motors, motor starters, switching devices, electrical symbols, pictorial diagrams, schematics, sequences of operation, basic electrical troubleshooting, voltage dividers, DC voltage & current sources, simplification theorems, AC current & voltage, oscilloscope fundamentals, reactive components & reactive circuits, basic filters, digital logic circuits, ladder logic, and shop drawings.

**ETM 1603C                    Energy Management and Controls Technology Design and Installation I, CCM**

**Purpose:** This course was modified in response to industry and to better prepare students for a career within the EMCT field; **Revised Course Title:** Automation and Controls Design through Commissioning; **Revised Prerequisites:** ETM 1600C; **Revised Co-requisites:** None; **Revised Course Description:** This course covers how building automation systems are designed and properly installed and commissioned. Topics include building controls system life cycle phases, component category, installation and maintenance scopes of work, primary controls project types, key milestone and sequences, execution bottlenecks, scopes of performance work, controls project roles, success strategies, public and private controls project funding methods, and contracting method impacts.

**ETM 1604C                    Energy Management and Controls Technology Design and Installation II, CCM**

**Purpose:** This course was modified in response to industry and to better prepare students for a career within the EMCT field; **Revised Course Title:** Energy Management Concepts; **Revised Prerequisites:** ETM 1600C; **Revised Co-requisites:** None; **Revised Course Description:** This course will provide students with the opportunity to understand the impact of control systems and automation. Students will learn about the basic elements of a commercial energy audit. Students will also learn energy strategies involving lighting, HVAC, chiller plants, and boilers.

**ETM 1605C                    Energy Management and Controls Technology Integration, CCM**

**Purpose:** This course was modified in response to industry and to better prepare students for a career within the EMCT field; **Revised Course Title:** Automation Controls Integration; **Revised Prerequisites:** ETM 1601C; **Revised Course Description:** This course covers several building automation systems integration platforms present in the industry. Topics include: Modbus, LonWorks, and BACnet.

**ETM 2942                    Energy Management and Controls Technology Internship, CCM**

**Purpose:** This course was modified in response to industry and to better prepare students for a career within the EMCT field; **Revised Course Title:** Internship in Energy Management and Controls Management; **Revised Prerequisites:** ETM 1600C, ETM 1601C, ETM 1603C; **Revised Credit Hours:** 3 credit hours for each internship, repeatable up to 6 hours.

**ETM 2943                    Energy Management and Controls Technology Practicum, CCM**

**Purpose:** This course was modified in response to industry and to better prepare students for a career within the EMCT field; **Revised Course Title:** EMCT Practicum; **Revised Course Description:** This is a planned hands-on, lab based, technical skill building experience that provides students with an opportunity to develop their commercial HVACR and Electrical skills set required to effectively understand and control building automation systems. This Practicum will involve the successful completion of an A/C, Refrigeration and Heating Technician certification program or of an Electricity certification program through an agency partner per Program Chair approval. May be repeated up to four times for a maximum of 12 credit hours earned; **Revised Credit Hours:** 3-12/0/0.

**Course Substitutions: Foreign Language, HUM 2403, Middle Eastern Humanities, HUM 2454, African American Humanities, and ASL 2510 Deaf Culture CCM**

**Purpose:** Modify course listing;

**Course Substitutions: Mathematics, CCM**

**Purpose:** Modify course listing;

**ACG 3024                      Accounting for Non-Finance Majors, CCM**

**Purpose:** This is only a name change to the course; **Revised Course Title:** Accounting Theory and Practice.

**COP 3330C                      Object Oriented Programming, CCM**

**Purpose:** Required course in proposed Bachelor of Applied Science in Software Development program; **Revised Course Description:** This course explores the concepts of object-oriented programming including abstraction, encapsulation, inheritance and polymorphism. The applications developed will focus on extracting objects from a problem domain and designing solutions based on passing messages between objects. Implementation will be done in a current object-oriented language.

**STA 2023                      Statistical Methods, CCM**

**Purpose:** This prerequisite change will create a non-algebra math pathway consisting of two general education courses; **Revised Prerequisites:** Minimum grade of C in STA 1001C, MAT 1033C, or MAC 1105, or MGF 1106 or satisfactory score on an approved assessment.

**STA 2023H                      Statistical Methods-Honors, CCM**

**Purpose:** This prerequisite change will create a non-algebra math pathway consisting of two general education courses; **Revised Prerequisites:** Minimum grade of C in STA 1001C, MAT 1033C, or MAC 1105, or MGF 1106 or satisfactory score on an approved assessment.

**HSA 4110                      Organizational Behavior, CCM**

**Purpose;** course description revised to better reflect content; **Revised Course Description:** The theoretical and research contribution of the behavioral sciences to management and administration are examined and applied to selected organizational situations. Areas to be considered from the standpoint of both individual and organizational performance are: communication, motivation, conflict, decision making, goal setting, leadership, organizational design, climate, development and control. Utilizing a systems perspective, the course attempts to develop in each student an ability to analyze and solve organizational problems. Minimum grade of C required if used to satisfy BS Cardiopulmonary Sciences or BS Radiologic and Imaging Sciences degree requirement.

**HSA 4340                      Principles of Human Resources Management, CCM**

**Purpose:** course description revised to better reflect content; **Revised Course Description:** This course introduces students to the major issues related to developing and implementing human resource management (HRM) strategies, with specific emphasis on their applications within health care organizations. Emphasis in the course will be given to current issues related to various aspects of human resources management. Minimum grade of c required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement.

**HSC 4640                      Health Law & Compliance, CCM**

**Purpose:** Information literacy and research skills are a vital component of this course. Students who have not taken HSA 4702 tend to struggle more with finding appropriate legal cases and the mechanics of writing their analyses; **Revised Course Description:** 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 4702.

**PLA 1003C                      Intro to Paralegal Practices and Ethics, CCM**

**Purpose:** Change in course name to better align with UCF and AA students interested in the law; **Revised Course Title:** Intro to Legal Practices and Ethics.

**PLA 1611 Real Property I, CCM**

**Purpose:** To better align this course with UCF's Legal Studies elective recommendations for AA students interested in the law; **Revised Course Title:** Real Property Fundamentals.

**PLA 2203 Civil Litigation I, CCM**

**Purpose:** Changed course name to better align with UCF and AA students interested in the law; **Revised Course Title:** Civil Litigation Fundamentals.

**PLA 2223 Civil Litigation II, CCM**

**Purpose:** Changed course name to better align with UCF and AA students interested in the law; **Revised Course Title:** Advanced Civil Litigation.

**PLA 2601C Wills, Trusts and Estate Administration I, CCM**

**Purpose:** Changed course name to better align with UCF and AA students interested in the law; **Revised Course Title:** Foundations of Wills, Trusts, and Estate Administration.

**PLA 2612 Real Property II, CCM**

**Purpose:** To better align this course with UCF's Legal Studies elective recommendations for AA students interested in the law; **Revised Course Title:** Advanced Real Property.

**EGS 2004 Electrical Networks, CCM**

**Purpose:** Some students don't take the Math and Physics courses in sequence, some take MAC 2313 and MAP 2302 together, students need to pass MAC 2313 before taking EGS 2004, they can take MAP 2302 and EGS 2004 at the same time; **Revised Prerequisites:** Minimum grade of C in MAC 2313, and PHY 2049C; **Revised Prereq or Coreq:** MAP 2302.

**EGS 2373 Principles of Electrical Engineering, CCM**

**Purpose:** Some students don't take the Math and Physics courses in sequence, some take MAC 2313 and MAP 2302 together, students need to pass MAC 2313 before taking EGS 2004, they can take MAP 2302 and EGS 2004 at the same time; **Revised Prerequisites:** Minimum grade of C in MAC 2313, and PHY 2049C; **Revised Prereq or Coreq:** MAP 2302.

**ETD 2614C Electromechanical Drafting, CCM**

**Purpose:** Modify prereqs; **Revised Prerequisites:** ETD 1103C or ETD 1320C.

**COP 2220C C Programming, CCM**

**Purpose:** Modify prereqs; **Revised Prerequisites:** Minimum grade of C in COP 1000C or EGN 1007C.

**COP 2805C Advanced Java Programming, CCM**

**Purpose:** Revise description; **Revised Course Description:** A continuation of COP 2800. Advanced topics in Java SE (Standard Edition) including Graphical User Interface, event handling, file input/output, collections, multi-threaded applications, and database connectivity, and nested classes. Object-oriented design and analysis is introduced using the Unified Modeling Language (UML).

**DAA 1680C Repertory I for Pre-Majors, CCM**

**Purpose:** Apply cohesion to all dance courses who do not specifically demonstrate how many times a course may be repeated for credit; **Revised Course Description:** The study and practice of selected works of dance repertory through rehearsal and performance. Students will explore the progression of the rehearsal process to the performance



experience through various repertory dance works. Multiple credit course. May be repeated for maximum of six credit hours, but grade forgiveness cannot be applied.

**DAA 1681C                    Repertory II for Pre-Majors, CCM**

**Purpose:** Apply cohesion to all dance courses who do not specifically demonstrate how many times a course may be repeated for credit; **Revised Course Description:** Continuation of DAA 1680C. Multiple credit course. May be repeated for maximum of six credit hours, but grade forgiveness cannot be applied.

**DAA 2682C                    Performance Ensemble: Valencia Dance Theatre for Pre-Majors, CCM**

**Purpose:** Apply cohesion to all dance courses who do not specifically demonstrate how many times a course may be repeated for credit; **Revised Course Description:** Students rehearse and perform choreography created by faculty members and/or guest artists for the experience in a dance company. This course provides performance growth and development through performance experiences on campus and in the community. May include additional rehearsals away from campus. This course may be repeated for maximum of six credit hours, but grade forgiveness cannot be applied.

**DAA 2941                    Internship Exploration in Dance Performance, CCM**

**Purpose:** Apply cohesion to all dance courses who do not specifically demonstrate how many times a course may be repeated for credit; **Revised Course Description:** This course is a planned work-based experience that provides students with supervised career exploration activities and/or practical experiences related to their education plans. Each earned credit of Internship requires a minimum of 80 clock hours of work. Multiple credit course. This course may be repeated for a maximum of four credit hours, but grade forgiveness cannot be applied.

**DAA 2942                    Internship in Dance, CCM**

**Purpose:** Apply cohesion to all dance courses who do not specifically demonstrate how many times a course may be repeated for credit; **Revised Prerequisites:** Satisfactory completion of all mandated courses in reading, mathematics, English and English for Academic Purposes; a minimum 2.0 institutional or overall GPA; and 12 credits, including DAA 1101C and DAA 1201C and either DAA 2500C or DAA 2501C. The Program Director/Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses; **Revised Course Description:** This course is a planned work-based experience that provides students with an opportunity to enhance workplace skills through a supervised practical experience related to their career objectives. Each earned credit of Internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for a maximum of four credit hours, but grade forgiveness cannot be applied.

**DSC 2242                    Transportation and Border Security, CCM**

**Purpose:** Removal of Prerequisite. Faculty, adjuncts and the three CJ faculty chairs agreed that the prerequisite for this course is not needed and creates an obstacle for students trying to complete the Homeland Security Specialist technical certificate, Homeland Security Law Enforcement Specialist, and Homeland Security Specialization; **Revised Prerequisites:** None.

**DSC 2590                    Intelligence Analysis and Security Management, CCM**

**Purpose:** Removal of Prerequisite. Faculty, adjuncts and the three CJ faculty chairs agreed that the prerequisite for this course is not needed and creates an obstacle for students trying to complete the Homeland Security Specialist technical certificate, Homeland Security Law Enforcement Specialist, and Homeland Security Specialization; **Revised Prerequisites:** None.

**CET 2660C                   Linux Networking and Security, CCM**

**Purpose:** Removing COP 1000C as a prerequisite for CET 2660C. Adding CNT 2417C as a prerequisite for CET 2660C;

**Revised Prerequisites:** CET 2486C and CNT 2417C.

**CET 2880C                   DIGITAL FORENSICS I, CCM**

**Purpose:** Change prerequisites from (CET 2660C, CET 2792C) to(CET 2660C, CET 2792C, and CNT 2414C); **Revised**

**Prerequisites:** CET 2660C, CET 2792C, and CNT 2414C.

**CET 4367C                   MICROCONTROLLER DEVICES, CCM**

**Purpose:** This course has been revamped with ARM-based microcontrollers replacing Intel 8051 microcontroller architecture. The new course has more hands-on applications and fits better with its prerequisites; **Revised Course**

**Description:** A course emphasizing the design and programming of microcontrollers. Student will be introduced to embedded systems design, microcontroller architecture, software design basics, use of interrupts, general purpose digital interfacing, analog interfacing, timers and serial communication. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology, B.S. Degree requirement.

**RET 4034                   Problems in Patient Management, CCM**

**Purpose:** I'm requesting to change the title of this course to more accurately reflect the content. The original title was planned when the program was first approved, before the content was developed. This course is currently a requirement in the Community Health concentration, I also want to make it available as an elective to other BSCARDIO students. The course content is also relevant to the Leadership concentration. It is already an elective in the BSRAD program; **Revised**

**Prerequisites:** Admission into BS Cardiopulmonary Sciences Program or BS Radiologic and Imaging Sciences Program;

**Revised Course Title:** Health Care Delivery and Access.

**RET 4524                   Community Health, CCM**

**Purpose:** The title and description of the course has been revised to more accurately reflect course content and focus. The Course Outcomes have been revised to include an increased focus on concepts of health and well-being; **Revised**

**Prerequisites:** Admission into the BS Cardiopulmonary Program; **Revised Course Title:** Community Health and Wellness;

**Revised Course Description:** The course will focus on concepts of community health and wellness, with a focus on the implementation of community health interventions. Needs assessment, planning, funding and evaluation of health education and promotion will be covered. Students will develop plans to provide disease management and wellness interventions for acute and chronic cardiopulmonary illness. The principles learned will be applied in RET4940, Community Health Service Learning.

**RET 4940                   Community Health Service Learning, CCM**

**Purpose:** RET 4524 is a pre-req, not a co-req; **Revised Prerequisites:** Minimum grade of C in RET 4524 and admission into the BS Cardiopulmonary Program and Community Health Track; **Revised Co-requisites:** None.

**RTE 1000                   Introduction to Radiography, CCM**

**Purpose:** After analysis of the annual program review 2018 it was discovered that the attrition rate for the program was higher in the second semester. After discussion the faculty decided to add 1 credit to the course by adding content to help better prepare the student for the demands of the curriculum. By doing this the faculty hope to decrease attrition and it will also help students with financial aid because the summer semester will not be a 6 credit semester instead of 5;

**Revised Credit/Contact/Lab Hour:** 3/3/0.

**RTE 2563 Principles of Radiography III, CCM**

**Purpose:** The physical material required to be covered has decreased due to advancement in the field especially with digital imaging, therefore it was discussed by faculty that we move 1 credit from the Principles of Radiography 3 to the Introduction to Radiography course and add some valuable content on radiography equipment and proper and safe use to help better prepare the student for the program and demands of the curriculum; **Revised Credit/Contact/Lab Hour:** 3/3/0.

**MUM 2640C Post-Production Sound, CCM**

**Purpose:** The catalog number for one prerequisite, Sound Recording 2, changes from MUM 2606C to MUM 2664C. There are no other changes; **Revised Prerequisites:** Minimum grade of C in MUM 2664C and in MUM 1620L.

**MUM 2942 Internship in Music Technology, CCM**

**Purpose:** Prerequisite change from Sound Recording II to Sound Recording I. This encourages earlier internships. Modify course title; **Revised Prerequisites:** 12 credits including MUM 2663C Sound Recording I; and Internship Office approval; **Revised Course Title:** Internship in Sound and Music Technology.

**TPA 2252C Introduction Audio Visual Technology, CCM**

**Purpose:** This is an update of the course to more accurately reflect the content in that course. It has also been adjusted to better prepare students for the next course in the AV sequence, TPA 2257C; **Revised Prerequisites:** TPA 2260C or MUM 1002C; **Revised Co-requisites:** TPA 2358C and TPA 2260C or MUM 1002C.

**TPA 2257C Audio Visual Production, CCM**

**Purpose:** The contact hours are staying the same, but the classroom component is being expanded in order to give students more practice with specific AV equipment and to better prepare them for the next course in the AV sequence, which is Advanced AV. We are making TPA 2257C the prerequisite for the course because this course is now specifically the "intermediate" course. A student would not be successful in this version of the course without taking TPA 2252C first; **Revised Prerequisites:** TPA 2252C; **Revised Credit/Contact/Lab Hours:** 3/11/8; **Revised Course Description:** This course focuses on hands-on application of Audio Visual technology through lab and class-room activities as well as participation as an AV technician on theater, dance, music or other types of live events. (This course requires an average of eight hours outside of the scheduled class time working on events each week).

**TPA 2358C Networking for Show Control, CCM**

**Purpose:** The contact hours are staying the same, but the classroom component is being expanded in order to give students more practice with specific AV equipment and to better prepare them for the next course in the AV sequence, which is Advanced AV. We are making TPA 2257C the prerequisite for the course because this course is now specifically the "intermediate" course. A student would not be successful in this version of the course without taking TPA 2252C first; **Revised Course Title:** Entertainment Systems Control.

**TPA 2600 Stage and Production Management, CCM**

**Purpose:** This is just to clean up the prerequisite. THE 1020 no longer exists, and the required course is now THE 1000; **Revised Prerequisites:** TPA 1380 and THE 1000;

**PEN 1136C Scuba Training, CCM**

**Purpose:** This course is not a certification course and the current catalog description is misleading to students, so adding "can" earn Open Water Certification "with a referral" will help clarify; **Revised Course Description:** This course is designed to provide the knowledge and skills necessary to analyze safe diving methods, perform the appropriate confined water diving skills and identify safe diving practices by mastering the Recreational Dive Planner (RDP). You will also learn how to become responsible ambassadors to the underwater environment. Certification is optional and with

successful completion of the course you will receive a PADI (Professional Association of Dive Instructors) referral form stating you have completed the knowledge review and confined water skills sections of the PADI Open Water Scuba Course and will then be able to select a PADI Dive Center of your choice to complete the open water dives and receive your PADI Certification Card.

**CVT 1841L                    Cardiovascular Clinical Practicum II, CCM**

**Purpose:** Course is having a corequisite removed and an outline was not already present in the system; **Revised Co-requisites:** None; **Effective Date:** Fall 2019 (202010).

**FSS 1203C                    Quantity Food Production, CCM**

**Purpose:** Removing Food and Beverage Management as a Prereq to build quicker access into the program; **Revised Prerequisites:** FOS 2201; **Revised Co-requisites:** FOS 2201; **Effective Date:** Fall 2019 (202010).

**FSS 1246C                    Baking and Pastries I, CCM**

**Purpose:** Removing Food and Beverage Management as a Prereq to build quicker access into the lab classes; **Revised Prerequisites:** FOS 2201; **Revised Co-requisites:** FOS 2201; **Effective Date:** Fall 2019 (202010).

**FSS 2058C                    Confectionary Art and Principles of Design, CCM**

**Purpose:** Modify prerequisites; **Revised Prerequisites:** FSS 2055C and FSS 2060C.

**FSS 2059C                    Chocolates and Confections, CCM**

**Purpose:** Modify prerequisites; **Revised Prerequisites:** FSS 2055C and FSS 2060C.

**FSS 2204C                    Quantity Food Production II, CCM**

**Purpose:** Removing Food and Beverage management to gain quicker access into Quantity 2; **Revised Prerequisites:** FSS 1203C.

**FSS 2247C                    Baking and Pastries II, CCM**

**Purpose:** Removing Food and Beverage management as a prereq to gain quicker access to the labs; **Revised Prerequisites:** FSS 1246C.

**HFT 2942                    Internship in Hospitality and Tourism, CCM**

**Purpose:** Modify prerequisites; **Revised Prerequisites:** Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes; 12 credits including HFT 1000 and either HFT 2254 or HFT 2263 or FSS 2251. The Program Director/Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses; **Revised Course Description:** This course is a planned work-based experience that provides students with an opportunity to fine-tune skill sets learned in coursework and enhance workplace skills through supervised practical experiences related to their career objectives. Each earned credit of Internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied.

**HFT 2943                    Internship in Restaurant Management, CCM**

**Purpose:** Modify prerequisites; **Revised Prerequisites:** Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes; 12 credits including HFT 1000 and HFT 2263 or FSS 2251. The Program Director/Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses.

**ETS 1603C                    FUNDAMENTALS OF ROBOTICS AND SIMULATION, CCM**

**Purpose:** Modify prereq; **Revised Prerequisites:** EET 1084C; or (MTB 1329 or MAC 1105) and EET 1214C; **Effective Date:** Fall 2019 (202010).

**ETS 2220C                    INTRODUCTION TO FIBER OPTICS, CCM**

**Purpose:** Modify prereq; **Revised Prerequisites:** MTB 1329, or MAC 1105, or department approval.

**ETS 2511C                    ELECTROMECHANICAL SYSTEMS, CCM**

**Purpose:** Modify prereq; **Revised Prerequisites:** EET 1025C or EET 1036C or EET 1084C.

**SPN 1120                    Elementary Spanish I, CCM**

**Purpose:** Heritage speakers are Spanish Speakers who were born and raised in USA but who speak Spanish. This students should take SPN1340 and/or SPN1341. However, they are advised to take 1120; **Revised Course Description:** Emphasis on everyday use of the language; integrating basic grammar, vocabulary, composition and culture through a conversational approach to Spanish. For students without two years of recent high school Spanish completed within the last three years or department approval. Not open to native or heritage Spanish speakers. A minimum of a C is required to pass this course if being used to satisfy the Foreign Language Proficiency requirement.

**GRA 2156C                    Vector Illustration, CCM**

**Purpose:** Cleaning up the and/or language so students aren't confused when they read it; **Revised Prerequisites:** Minimum grade of C in ART 1300C and minimum grade of C in either GRA 1142C or DIG 2109C; or departmental approval.

**GRA 1206                    Fundamentals of Typography, CCM**

**Purpose:** Revise prerequisites; **Revised Prerequisites:** Minimum grade of C in both GRA 1142C and GRA 1413; or minimum grade of C in both DIG 2109C and DIG 1940; or department approval; **Effective Date:** Fall 2019 (202010).

**Credit Course Deletions**

**JOU 1400L                    Media Production I, CCD**

**Purpose:** Course was replaced with JOU 1030L.

**JOU 1401L                    Media Production II, CCD**

**Purpose:** Course was replaced with JOU 1031L.

**JOU 1402L                    Media Production III, CCD**

**Purpose:** Course was replaced with JOU 1032L.

**AML 2021H                    Survey in American Literature: Civil War to Present-Honors, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**BSC 2062                    Everglades Ecology, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**BSC 2366                      Neotropical Ecology, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**CHM 1205C                    Intro to Organic and Biochemistry, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**CJE 2003                      Career Choices in Criminal Justice, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**FFP 1824                      Basic Incident Mgmt System, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**FFP 1832                      Emergency Response to Terrorism; Basic Concepts, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**MAT 1905                      Directed Individual Studies, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**MHF 2300                      Logic and Proof in Mathematics, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**PCB 1440                      Florida Environmental Systems, CCD**

**Purpose:** According to Florida Statute 1007.24(8), courses that have not been taught in five years must be removed from our catalog.

**MUM 1620C                    Psychoacoustics and Critical Listening Skills, CCD**

**Purpose:** This course is being replaced by the same course but in lab-form only, MUM 1620L.

**MUM 2600C                    Sound Recording I, CCD**

**Purpose:** This course is being replaced by the same course (Equivalent) with a different catalog number: MUM 2663C.

**MUM 2606C                    Sound Recording II, CCD**

**Purpose:** This course is being replaced by identical equivalent course MUM 2664C.

**NUR 4655                      Diversity and Global Trends in Nursing, CCD**

**Purpose:** To change course number to 3667 to align with RN-BSN Consortium; **Revised Course Number:** NUR 3667.

## **Credit Program Additions**

### **Transfer Plan for Environmental Mgmt. – (UF CALS), CPA**

**Purpose:** Part of USDA grant that is a partnership with the University of Florida to strengthen pathways to some of their College of Agricultural and Life Sciences (CALC) majors.

### **BAS: Software Development, CPA**

**Purpose:** The proposed BAS in SD was approved for development by Valencia's Board of Trustees in April 2018. The program is proposed to address the need for software development and software engineering professionals in Central Florida.

### **Pre-Major in Health Informatics and Information Management; CPA**

**Purpose:** To develop a new pathway into AS degree HIM.

### **Transfer Plan for Plant Science – (UF CALS); CPA**

**Purpose:** Part of USDA grant focused on agricultural and life sciences to add a new transfer plan each of four years to the UF College of Agriculture and Life Science.

### **Pre-Major: Digital Media; CPA**

**Purpose:** To provide Valencia students with a pathway to 4-year digital media programs at UCF.

### **Bar and Beverage Management Certificate; CPA**

**Purpose:** Creating a new certificate to meet the needs of the industry.

## **Credit Program Modification**

### **A.S. Business Administration, CPM**

**Purpose:** To better advise students;

### **A.S. in Office Administration, CPM**

**Purpose:** Remove OST2831 Microsoft Windows from the requirements of the A.S. degree and make it an elective. This will give students 6 credits of electives. Add ACG2450C Computer Accounting I as an elective, so students can learn Quick Books;

### **Office Management Technical Certificate, CPM**

**Purpose:** Remove OST2831 Microsoft Windows as a requirement. Place it as an elective. The change give students 3 credit hours of electives instead of 2 credit hours;

### **Office Specialist Technical Certificate, CPM**

**Purpose:** Remove OST2831 Microsoft Windows from the technical certificate and make it an elective. This will give students 3 credits of electives;

### **Office Support Technical Certificate, CPM**

**Purpose:** Remove OST2831 Microsoft Windows requirement from the technical certificate and make it an elective. This will give students 3 credits of electives.

**B.S. in Electrical and Computer Engineering Technology (A.A. Program Requirements), CPM**

**Purpose:** The ECET program is in the process of applying for program accreditation through the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board of Engineering & Technology (ABET). ETAC has reduced the number learning outcomes for technology programs from eleven to five, by combining some of the existing outcomes and moving others to different sections of the ABET self-study report. After discussions between the ECET program faculty and the ECPT division dean, the resultant decision is to change the ECET program learning outcomes to be consistent with ABET. This will provide better alignment of our program with ABET requirements and expedite the annual assessment process for SACS.

**B.S. in Electrical and Computer Engineering Technology (A.S. Program Requirements), CPM**

**Purpose:** The ECET program is in the process of applying for program accreditation through the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board of Engineering & Technology (ABET). ETAC has reduced the number learning outcomes for technology programs from eleven to five, by combining some of the existing outcomes and moving others to different sections of the ABET self-study report. After discussions between the ECET program faculty and the ECPT division dean, the resultant decision is to change the ECET program learning outcomes to be consistent with ABET. This will provide better alignment of our program with ABET requirements and expedite the annual assessment process for SACS.

**Business Management Certificate; CPM**

**Purpose:** Pare certificate & specialist outcomes to align with Business Program outcomes to be assessed through GEB 2860 Business Capstone.

**Business Operations Certificate; CPM**

**Purpose:** Pare certificate & specialist outcomes to align with Business Program outcomes to be assessed through GEB 2860 Business Capstone;

**Business Specialist Certificate; CPM**

**Purpose:** Pare certificate & specialist outcomes to align with Business Program outcomes to be assessed through GEB 2860 Business Capstone.

**BAS in Computing Technology & Software Development; CPM**

**Purpose:** The proposed BAS in SD was approved for development by Valencia's Board of Trustees in April 2018. The program is proposed to address the need for software development and software engineering professionals in Central Florida; add program outcomes.

**Medical Information Coder/Biller TC; CPM**

**Purpose:** Coding course sequence aligns with HIT program.

**TC, Biotechnology Specialist; CPM**

**Purpose:** Adding a 19 credit hour technical certificate to the Biotechnology Laboratory Science Program.

**A.S. in Business Administration; CPM**

**Purpose:** To better advise students. Suggested simplified program outcome changes made for consistency and clarity. The GEB 2860 Business Capstone course will assess all A.S. Business Administration program outcomes.



**B.A.S. in Business and Organizational Leadership; CPM**

**Purpose:** Expand student access.

**A.S. in Computer Information Technology; CPM**

**Purpose:** On advice from our industry advisory council we are adding COP 1000C Intro to Programming Concepts as a required course. This will also prepare IT students for entry into the BAS in Software Development once it is approved. On advice from our industry advisory council we are making GEB 1011C a require course so students have some knowledge of business processes. We are designating all technical courses as requiring a grade of C or better.

**B. S. in Radiologic and Imaging Sciences; CPM**

**Purpose:** Revised to create consistency with other modality (CT. Mammography and MRI) outcomes.

**Leadership in Healthcare, ATC; CPM**

**Purpose:** Revise to remove redundant outcomes.

**Mammography, ATC; CPM**

**Purpose:** Redundant program outcomes deleted. Revised to create consistency with other modality (CT and MRI) outcomes.

**A.S. in Paralegal Studies; CPM**

**Purpose:** This is a new course that addresses communication law and ethics that paralegal students may be interested in.

**Articulated Pre-Major, Engineering (University of Central Florida); CPM**

**Purpose:** UCF will offer the new degree on Materials Science and Engineering from the Fall of 2019.

**A.S. in Plant Science and Agricultural Technology, CPM**

**Purpose:** For both specializations in Landscape and Horticulture, we are removing ORH 1511C. After our Advisory Committee Meeting last Fall (2018), the committee felt one class in Ornamental Plant Identification and Taxonomy (ORH 1510C) was adequate and this is in line with other programs both in-state and out of state. This results in an increase in the elective credits for these two specializations. For the new specialization in Sustainable Agriculture, there is now only one required course (AOM 1461C) with students then being able to choose from an elective list the remaining 18 credits. This gives students more flexibility and they will then be able to. VEC 1201C is being added to all specializations as an elective. Also adding BOT 2501C Plant Physiology (formerly a required course) to the elective list.

**Plant Science Professional Certificate, CPM**

**Purpose:** We will no longer be requiring two courses in ornamental plant identification/taxonomy. One course (ORH 1510C) in this area is common to other programs that offer the two year degree. Also, removing the Landscape Design course as a requirement for those students who are pursuing the horticulture specialization vs the landscape specialization.

**Plant Science Specialist Certificate, CPM**

**Purpose:** We will no longer be requiring two courses in ornamental plant identification/taxonomy. One course (ORH 1510C) in this area is common to other programs that offer the two year degree.

**Plant Science Technician Certificate, CPM**

**Purpose:** We will no longer be requiring two courses in ornamental plant identification/taxonomy. One course (ORH 1510C) in this area is common to other programs that offer the two year degree. Also, removing the Landscape Design course as a requirement for those students who are pursuing the horticulture specialization vs the landscape specialization.

**A.S. in Office Administration; CPM**

**Purpose:** Modify program title. Add GEB 2112 and MAN 2021 as electives; **Revised Program Title:** A.S. in Administrative Office Management.

**Accounting Operations Certificate; CPM**

**Purpose:** MTB1103 (Business Math) has been added as an elective course in order to align with the current curriculum of the AS Accounting Technology degree.

**A.S. in Accounting Technology; CPM**

**Purpose:** Payroll Accounting course added to required courses under the Accounting Technology degree. Electives under this program reduced from 6 to 3 as a result.

**Entrepreneurship Certificate; CPM**

**Purpose:** To allow more students to obtain a meaningful certificate.

**Pre-Major, Theatre/Drama/Dramatic Arts; CPM**

**Purpose:** Clarification and consistency in our Program Learning Outcomes as initiated by Program Chair. Revise outcomes. Revise program title; **Revised Program Title:** Pre-Major, Theatre.

**Hospitality - Event Planning Management Certificate; CPM**

**Purpose:** Modifying curriculum to meet the needs of the industry.

**Hospitality - Restaurant and Food Service Management Certificate; CPM**

**Purpose:** Modifying curriculum to meet the needs of the industry.

**Hospitality - Rooms Division Management Certificate; CPM**

**Purpose:** Modifying curriculum to meet the needs of the industry.

**Guest Services Specialist Certificate; CPM**

**Purpose:** Modifying curriculum to meet the needs of the industry.

**A.S. in Baking and Pastry Management; CPM**

**Purpose:** To remain articulated with the hospitality courses should students want to transfer to move onto UCF Rosen School.

**A.S. in Culinary Management; CPM**

**Purpose:** Deleted FSS 2251 and added HFT 2263 which really is the same course. Streamlining student's opportunity to remain articulated between programs so they can move on to UCF Rosen School of Hospitality.

**A.S. in Hospitality and Tourism Management (Articulated A.S. to B.S. Career Path); CPM**

**Purpose:** Modifying curriculum to meet the needs of the industry.

**A.S. in Restaurant and Food Service Management; CPM**

**Purpose:** Modifying curriculum to meet the needs of the industry.

**Robotics and Mechatronics Technician Certificate; CPM**

**Purpose:** To comply to DOE state requirement (removal of hidden prerequisite); **Revised Program Title:** Robotics Applications Technician Certificate.

**Advanced Electronics Technician Certificate; CPM**

**Purpose:** To comply to DOE state requirement (removal of hidden prerequisite).

**Basic Electronics Technician Certificate; CPM**

**Purpose:** To comply to DOE state requirement (removal of hidden prerequisite).

**Cloud Computing Architecture; CPM**

**Purpose:** To comply to DOE state requirement (removal of hidden prerequisite).

**Laser and Photonics Technician Certificate; CPM**

**Purpose:** To comply to DOE state requirement (removal of hidden prerequisite).

**Advanced Technical Certificate in Echocardiography; CPM**

**Purpose:** Previously listed indicators were more objectives than outcomes.

**Fire Science Technology Academy Track; CPM**

**Purpose:** The Fire Science Technology Advisory Board recently expressed concern that some of the courses in the Academy Track program seemed too advanced for the students. Although most Academy Track students have no fire service experience, some program curriculum seems more suited for fire officers. Therefore, the board suggested we make these changes to provide college level instruction that would better prepare students for entry level firefighter positions.

**Digital Forensics Certificate; CPM**

**Purpose:** 1. Remove CET 2881C 2. Add CNT 2414C 3. Change restricted electives to CTS 2322C or CET 2881C.

**Linux Enterprise Server Administration; CPM**

**Purpose:** Delete COP 1000C. Add CNT 2417C.

**Network Administration Certificate; CPM**

**Purpose:** Delete COP 1000C. Add CET 2830C.

**Network Infrastructure Certificate; CPM**

**Purpose:** Delete COP 1000C. Add CNT 2417C.

### **A.S. in Entertainment Design and Technology; CPM**

**Purpose:** Adding the word "live" to the name is intended to convey that this is a program about live show production. The change from "technology" to "production" indicates that our program does not just deal with live show technology, but in fact deals with the entire production process. Overall, this change better communicates what students can expect to learn in this program; **Revised Program Title:** A.S. in Live Entertainment Design and Production.

### **Culinary Arts Management Certificate; CPM**

**Purpose:** To remain articulated with the hospitality courses should students want to transfer to move onto UCF Rosen School; **Revised Program Hours:** 18.

### **Culinary Arts Certificate; CPM**

**Purpose:** one of the numbers in the Clp Code needed to be changed. Also FSS2251 was changed to HFT 2263 to give the students more opportunity in Hospitality.

### **A.S. in Network Engineering Technology; CPM**

**Purpose:** 1. Remove COP 1000C Intro to Programming Concepts 2. Add 3 cr/hrs to electives 3. Gen Ed: Replace POS 2041 U.S. Government with Social Science 4. Cybersecurity Specialization: Replace CET 2880C with CNT 2414C.

### **Audio Electronics Specialist Certificate; CPM**

**Purpose:** Replaces MUM 1620C Psychoacoustics & Listening Skills, which now becomes a 1 credit lab (MUM 1260L), with TPA 1380 Survey of Entertainment Technology, which addressed the NSE outcomes for this program, and allows students enrolled in this TC and in the A.S. in Sound & Music Technology to earn the certificate earlier. Streamlines the other required courses to make the TC accessible to a larger number of students.

### **Digital Music Production Certificate; CPM**

**Purpose:** Better integration into the A.S. in Sound & Music Technology will allow more students to earn this TC. Some of the required courses have been modified and need to be updated in the TC requirements.

### **Sound and Music Production-Audio Visual Production Certificate; CPM**

**Purpose:** Builds upon the TC in Digital Music Production, and makes this certificate available to a larger number of Sound & Music Technology students; **Revised Program Title:** Audio Visual Production.

### **A.S. in Sound and Music Technology; CPM**

**Purpose:** Changes in course numbers, changes in credit hours in one course, addition of courses required in the industry as per conversations from the Advisory Committee and because of marketplace demands.

### **Bachelor of Science in Nursing, CCM**

**Purpose:** To align course numbers with the three schools in the RN-BSN consortium.

## **Credit Program Deletions**

### **Mobile Devices and Cloud Computing; CPD**

**Purpose:** Industry management of mobile devices have evolved to the point where this Technical Certificate has no value to our students. Industry certifications no longer exist, so this is irrelevant. Cloud Computing is still valuable and will be available to students in the form of classes;

## **Information Items**

**A.S. in Drafting and Design Tech, Drafting-AutoCAD TC, Drafting TC:** Replaced deleted courses: ETD 1320C and ETD 1100C with new courses ETD 1103C and BCN 1303C. The prerequisites for ETD 1701C and ETD 2614C were changed to reflect the new courses.

**BASBOL and BSN General Education Wording:** The wording was changed to match what is currently listed in the BSRAD and BSCARDIO degrees to avoid constant course substitution requests. The wording was changed to: Satisfy Valencia's General Education requirements and Gordon Rule requirements unless you hold an Associate in Arts or Bachelor's degree or have completed the entire general education program at a regionally accredited institution.

**Criminal Justice Electives:** The electives for the Criminal Justice tracks were updated to match the electives that are listed as a part of the AS degree.

**Pre-Major in Engineering:** The title of the UCF specialization under the Pre-Major in Engineering was changed to include Photonics.

### **EPI Program module changes**

**COP 3275C:** There was a discrepancy in the course title of COP 3275C. The word Technology was added ahead of their ABET accreditation.

**Foreign Language:** The wording in all Foreign Language courses as foreign language is a graduation requirement, but it is not in General Education. The wording was updated from "minimum grade of C required if used to satisfy General Education" to minimum grade of C if used to satisfy the Foreign Language Proficiency Requirement".

### **The following courses have a submitted General Education Opt-In Template:**

There were no General Education Opt-In Templates submitted.

## **Discussion Items**

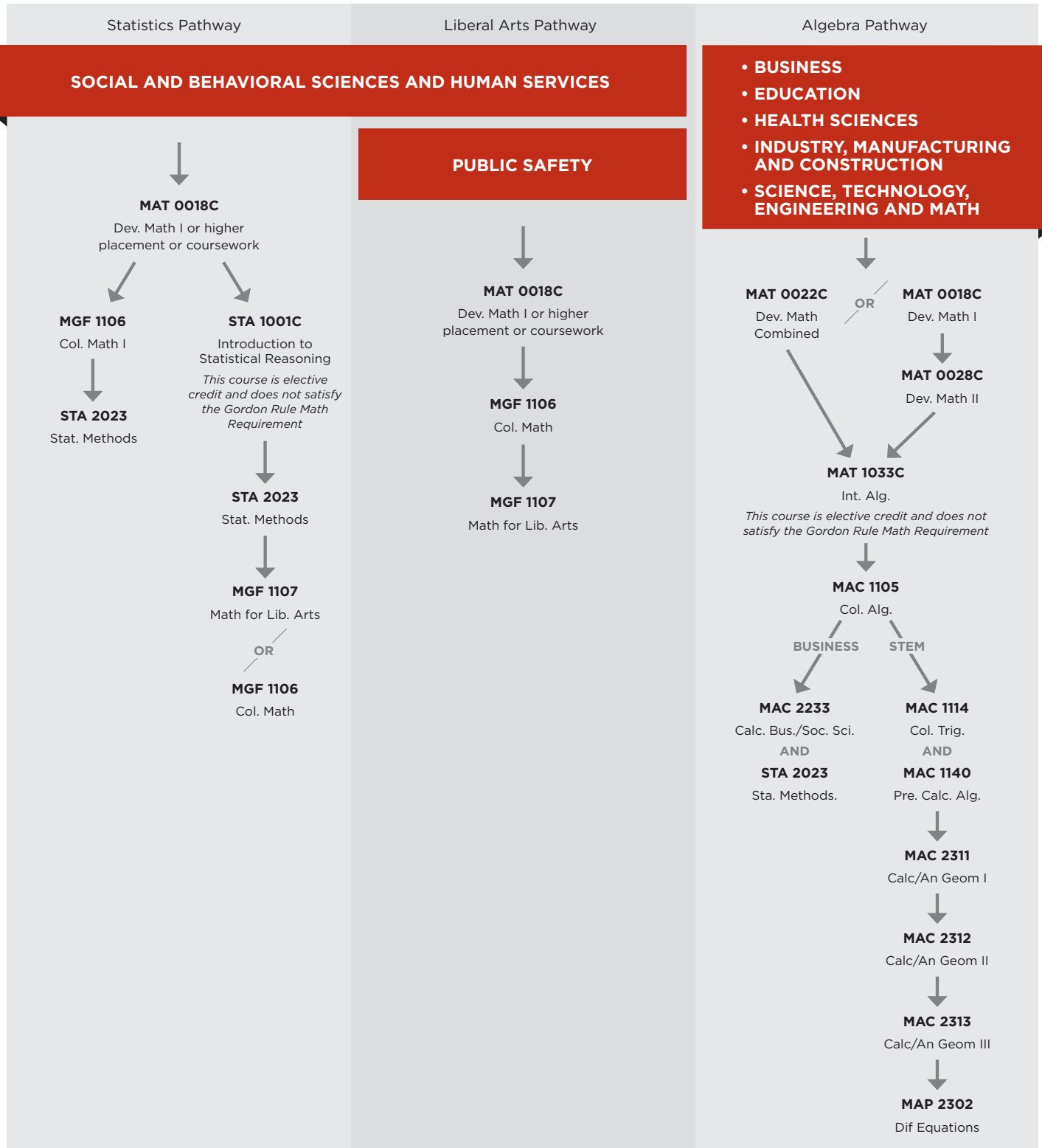
**A.A. Pre-Major:** There was a discussion about the pre-majors. Committee members stated that listing pre-majors as articulated is causing a lot of confusion for students. Most of the courses are not covered if they are a student that uses financial aid. There will be further college-wide discussions regarding pre-majors.

# MATH PATHWAYS

Your math pathway is determined by your specific major within the Meta-Major. See a counselor or advisor for a recommendation.

**FOR ARTS/HUMANITIES/COMMUNICATIONS AND DESIGN IT IS RECOMMENDED TO MEET WITH A COUNSELOR OR ADVISOR REGARDING YOUR DEGREE PLAN PATHWAY.**

META-MAJORS



### August 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				Grades Due B Planning/Work Day 16 B <b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
<b>18</b>	<b>19</b>	Planning/Work Day 1 <b>20</b>	Campus Welcome Back Work Day 2 <b>21</b>	Academic Assembly Work Day 3 <b>22</b>	Planning/Work Day 4 <b>23</b>	<b>24</b>
<b>25</b>	Fall Term Begins Instruction Day 1 <b>26</b>	Instruction Day 2 <b>27</b>	Instruction Day 3 <b>28</b>	Instruction Day 4 <b>29</b>	Instruction Day 5 <b>30</b>	<b>31</b>

B: Summer Term B  
Full or F: Full Summer Term

Note: The last contract day for faculty who teach in **Summer Full** is **Jul 31**. The last contract day for faculty who teach in **Summer B** is **Aug. 1**. Grades will not roll until after 9:00am on August 1.

Note: Summer 201930 Full & B classes will have final examinations during the last class period (or during the last two class periods, at the discretion of the instructor)

Note: It is anticipated that "Work Days" 2 and 3 would be used for any necessary or desired college-wide assemblies, campus- and discipline-wide meetings, and staff/professional activities. This would leave "Work Days" 1 and 4 for planning, preparation of instructional materials, etc.

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

Note: **Classes that meet once a week miss:**

**Fall**

- Monday, (Labor day & Veterans Day) - 13 instructional days
- Tuesday, (No classes affected) - 15 instructional days
- Wednesday, Thursday, and Friday, November (Thanksgiving) - 14 instructional days

**September 2019**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	Labor Day 2	Instruction Day 6 3	Instruction Day 7 4	Instruction Day 8 5	Instruction Day 9 6	7
8	Instruction Day 10 9	Instruction Day 11 10	Instruction Day 12 11	Instruction Day 13 12	Instruction Day 14 13	14
15	Instruction Day 15 16	Instruction Day 16 17	Instruction Day 17 18	Instruction Day 18 19	Instruction Day 19 20	21
22	Instruction Day 20 23	Instruction Day 21 24	Instruction Day 22 25	Instruction Day 23 26	Instruction Day 24 27	28
29	Instruction Day 25 30					



**October 2019**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		Instruction Day 26 1	Instruction Day 27 2	Instruction Day 28 3	Instruction Day 29 4	5
6	Instruction Day 30 7	Instruction Day 31 8	Instruction Day 32 9	Instruction Day 33 10	Instruction Day 34 11	12
13	Instruction Day 35 14	Instruction Day 36 15	Instruction Day 37 16	<b>Spirit Day</b> Instruction Day 38 17	Instruction Day 39 18	19
20	Instruction Day 40 21	Instruction Day 41 22	Instruction Day 42 23	Instruction Day 43 24	Instruction Day 44 25	26
27	Instruction Day 45 28	Instruction Day 46 29	Instruction Day 47 30	Instruction Day 48 31		

**November 2019**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					Instruction Day 49 1	2
3	Instruction Day 50 4	Instruction Day 51 5	Instruction Day 52 6	Instruction Day 53 7	Instruction Day 54 8	9
10	<b>Veterans Day</b> Student Holiday Planning/Work Day 5 11	Instruction Day 55 12	Instruction Day 56 13	Instruction Day 57 14	Instruction Day 58 15	16
17	Instruction Day 59 18	Instruction Day 60 19	Instruction Day 61 20	Instruction Day 62 21	Instruction Day 63 22	23
24	Instruction Day 64 25	Instruction Day 65 26	College Closed 27	College Closed 28	College Closed 29	College Closed 30

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

**December 2019**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
College Closed 1	Instruction Day 66 2	Instruction Day 67 3	Instruction Day 68 4	Instruction Day 69 5	Instruction Day 70 6	7
8	Final Exams 71 9	Final Exams 72 10	Final Exams 73 11	Final Exams 74 12	Final Exams 75 13	Planning/Work Day 6 Final Exams 76 14
Final Exams 15	Planning/Work Day 7 Grades Due 16	17	18	19	20	21
22	College Closed 23	College Closed 24	College Closed 25	College Closed 26	College Closed 27	College Closed 28
College Closed 29	College Closed 30	College Closed 31				

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

### January 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			College Closed 1	College Opens Planning/Work Day 8 2	Planning/Work Day 9 3	4
5	Spring Term Begins Instruction Day 1 6	Instruction Day 2 7	Instruction Day 3 8	Instruction Day 4 9	Instruction Day 5 10	11
12	Instruction Day 6 13	Instruction Day 7 14	Instruction Day 8 15	Instruction Day 9 16	Instruction Day 10 17	18
19	MLK Observed 20	Instruction Day 11 21	Instruction Day 12 22	Instruction Day 13 23	Instruction Day 14 24	25
26	Instruction Day 15 27	Instruction Day 16 28	Instruction Day 17 29	Instruction Day 18 30	Instruction Day 19 31	

Note: Orange County Public Schools start classes on January 7, 2020  
 Osceola District Schools start classes on January 7, 2020  
 University of Central Florida starts Spring classes on January 6, 2020

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

Note: **Classes that meet once a week miss:**

**Spring**

- Monday in January (MLK Jr. Day) - 13 instructional days
- Tuesday, Wednesday, and Thursday - 14 instructional days
- Friday in February (Learning Day) - 13 instructional days
- One full week (Monday-Sunday) in March (Spring Break)

**February 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	Instruction Day 20 3	Instruction Day 21 4	Instruction Day 22 5	Instruction Day 23 6	Instruction Day 24 7	8
9	Instruction Day 25 10	Instruction Day 26 11	Instruction Day 27 12	Instruction Day 28 13	Learning Day Student Holiday Work Day 10 14	15
16	Instruction Day 29 17	Instruction Day 30 18	Instruction Day 31 19	Instruction Day 32 20	Instruction Day 33 21	22
23	Instruction Day 34 24	Instruction Day 35 25	Instruction Day 36 26	Instruction Day 37 27	Instruction Day 38 28	29

**March 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	Instruction Day 39 2	Instruction Day 40 3	Instruction Day 41 4	Instruction Day 42 5	Instruction Day 43 6	7
8	College Closed 9	College Closed 10	College Closed 11	College Closed 12	College Closed 13	College Closed 14
College Closed 15	Instruction Day 44 16	Instruction Day 45 17	Instruction Day 46 18	Instruction Day 47 19	Instruction Day 48 20	21
22	Instruction Day 49 23	Instruction Day 50 24	Instruction Day 51 25	Instruction Day 52 26	Instruction Day 53 27	28
29	Instruction Day 54 30	Instruction Day 55 31				

Note: Valencia College and UCF Spring Break - March 9-15, 2020  
 Orange County Public Schools - Spring Break - March 16-20, 2020  
 Osceola District Schools - Spring Break - March 16-20, 2020

**April 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Instruction Day 56 1	Instruction Day 57 2	Instruction Day 58 3	4
5	Instruction Day 59 6	Instruction Day 60 7	Instruction Day 61 8	Instruction Day 62 9	Instruction Day 63 10	11
12	Instruction Day 64 13	Instruction Day 65 14	Instruction Day 66 15	Instruction Day 67 16	Instruction Day 68 17	18
19	Final Exams 69 20	Final Exams 70 21	Final Exams 71 22	Final Exams 72 23	Final Exams 73 24	Planning/Work Day 11 Final Exams 74 25
Final Exams 75 26	Grades Due Planning/Work Day 12 27	28	29	Planning/Work Day 13 A, Full 30		

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

**May 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					Planning/Work Day 14 A, Full 1	2
Commencement Work Day 15 A, Full 3	Instruction Day 1 A, Full 4	Instruction Day 2 A, Full 5	Instruction Day 3 A, Full 6	Instruction Day 4 A, Full 7	Instruction Day 5 A, Full 8	9
10	Instruction Day 6 A, Full 11	Instruction Day 7 A, Full 12	Instruction Day 8 A, Full 13	Instruction Day 9 A, Full 14	Instruction Day 10 A, Full 15	16
17	Instruction Day 11 A, Full 18	Instruction Day 12 A, Full 19	Instruction Day 13 A, Full 20	Instruction Day 14 A, Full 21	Instruction Day 15 A, Full 22	23
24	Memorial Day Observed	Instruction Day 16 A, Full 26	Instruction Day 17 A, Full 27	Instruction Day 18 A, Full 28	Instruction Day 19 A, Full 29	30
31						

A Summer Term A  
Full Full Sumer Term

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

Note: Orange County Public Schools last day of class May 27, 2020  
Osceola District Schools last day of school May 28, 2020

Note: **Classes that meet once a week miss:**

**Summer**

- Monday Full Term, Summer A (Memorial Day) - 12 instructional days
- Tuesday - 13 instructional days
- Wednesday - 12 instructional days
- Thursday - 12 instructional days
- Friday, Summer B- (Independence Day) - 11 instructional days



**June 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Instruction Day 20 A, Full <b>1</b>	Instruction Day 21 A, Full <b>2</b>	Instruction Day 22 A, Full <b>3</b>	Instruction Day 23 A, Full <b>4</b>	Instruction Day 24 A, Full <b>5</b>	<b>6</b>
<b>7</b>	Instruction Day 25 A, Full <b>8</b>	Instruction Day 26 A, Full <b>9</b>	Instruction Day 27 A, Full <b>10</b>	Instruction Day 28 A, Full <b>11</b>	Instruction Day 29 A, Full Planning/Work Day 13 B <b>12</b>	<b>13</b>
<b>14</b>	Instruction Day 30, A, Full Planning/Work Day 14 B <b>15</b>	Instruction Day 1 B Instruction Day 31 F Planning/Work Day 16 A Grades Due A <b>16</b>	Instruction Day 2 B Instruction Day 32 F <b>17</b>	Instruction Day 3 B Instruction Day 33 F <b>18</b>	Instruction Day 4 B Instruction Day 34 F <b>19</b>	<b>20</b>
<b>21</b>	Instruction Day 5 B Instruction Day 35 F <b>22</b>	Instruction Day 6 B Instruction Day 36 F <b>23</b>	Instruction Day 7 B Instruction Day 37 F <b>24</b>	Instruction Day 8 B Instruction Day 38 F <b>25</b>	Instruction Day 9 B Instruction Day 39 F <b>26</b>	<b>27</b>
<b>28</b>	Instruction Day 10 B Instruction Day 40 F <b>29</b>	Instruction Day 11 B Instruction Day 41 F <b>30</b>				

- A Summer Term A
- B Summer Term B
- Full or F Full Summer Term

Note: Summer Term A classes will have final examinations during the last class period (or during the last two class periods, at the discretion of the instructor)

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

**July 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Instruction Day 12 B Instruction Day 42 F <b>1</b>	Instruction Day 13 B Instruction Day 43 F <b>2</b>	Independence Day Observed <b>3</b>	<b>4</b>
<b>5</b>	Instruction Day 14 B Instruction Day 44 F <b>6</b>	Instruction Day 15 B Instruction Day 45 F <b>7</b>	Instruction Day 16 B Instruction Day 46 F <b>8</b>	Instruction Day 17 B Instruction Day 47 F <b>9</b>	Instruction Day 18 B InstructionR Day 48 F <b>10</b>	<b>11</b>
<b>12</b>	Instruction Day 19 B Instruction Day 49 F <b>13</b>	Instruction Day 20 B Instruction Day 50 F <b>14</b>	Instruction Day 21 B Instruction Day 51 F <b>15</b>	Instruction Day 22 B Instruction Day 52 F <b>16</b>	Instruction Day 23 B Instruction Day 53 F <b>17</b>	<b>18</b>
<b>19</b>	Instruction Day 24 B Instruction Day 54 F <b>20</b>	Instruction Day 25 B Instruction Day 55 F <b>21</b>	Instruction Day 26 B Instruction Day 56 F <b>22</b>	Instruction Day 27 B Instruction Day 57 F <b>23</b>	Instructoin Day 28 B Instruction Day 58 F <b>24</b>	<b>25</b>
<b>26</b>	Instruction Day 29 B Instruction Day 59 F <b>27</b>	Instruction Day 30 B Instruction Day 60 F <b>28</b>	Planning/Work Day 15 B Planning/Work Day 16 Full Grades Due Full <b>29</b>	Grades Due B Planning/Work Day 16 B <b>30</b>	<b>31</b>	

B Summer Term B  
Full or F Full Summer Term

Note: The College will be closed on Friday, July 3, 2020 in observance of the Independence Day holiday. Regular Weekend College classes/courses will resume at the College on Saturday, July 4th.

Note: The last contract day for faculty who teach in **Summer Full** is **July 29**. The last contract day for faculty who teach in **Summer B** is **July 30**. Grades will not roll until after 9:00am on July 30.

Note: Summer Term Full & B classes will have final examinations during the last class period (or during the last two class periods, at the discretion of the instructor)

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.

**August 2020**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	Planning/Work Day 1	Campus Welcome Back Work Day 2	Academic Assembly Work Day 3	Planning/Work Day 4	22
23	Fall Term Begins Instruction Day 1	Instruction Day 2	Instruction Day 3	Instruction Day 4	Instruction Day 5	29
30	Instruction Day 6					

Note: The last contract day for faculty who teach in **Summer Full is July 29**. The last contract day for faculty who teach in **Summer B is July 30**. Grades will not roll until after 9:00am on July 30.

Note: Summer Term Full & B classes will have final examinations during the last class period (or during the last two class periods, at the discretion of the instructor)

Note: It is anticipated that "Work Days" 2 and 3 would be used for any necessary or desired college-wide assemblies, campus- and discipline-wide meetings, and staff/professional activities. This would leave "Work Days" 1 and 4 for planning, preparation of instructional materials, etc.

Note: "Planning/Work Day" means that while meetings may occur, faculty should expect to have the majority of this day available for course preparation.