

2020-2021 CATALOG

SUMMARY OF SUBSTANTIVE EDITORIAL & CURRICULUM CHANGES

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

CATALOG SECTION	CHANGES IN THAT SECTION
ABOUT VALENCIA COLLEGE	Updated the Economic Development statement, removed statement from 2012 economic impact study.
DEGREE & CERTIFICATE PROGRAMS	<ol style="list-style-type: none"> 1. Edited Associate in Arts entry to remove Pre-majors and add degree pathways which include only common program pre-requisites. 2. Edited Associate in Science contacts information updated for various programs Biotechnology, Business Administration and Fire Science Technology. 3. Edited Bachelor's Degrees Distance Learning entry with updated information regarding modality, technology requirements and resources for online courses. 4. Edited B.S. Nursing Overview entry to include Commission on Collegiate Nursing Education accreditation. 5. Additional program modifications in the second section of this document.
TRANSFER PLANS	Removed section and consolidated with Pre-Majors into the new AA Degree Pathways section
COURSE DESCRIPTIONS	See second section of this document
IMPORTANT DATES & DEADLINES	Posted to web Updated dates for 2020-2021 academic year
CAMPUSES	Updated East Campus degree offerings
BOARD OF TRUSTEES	Updated to reflect a new chair Tracey Stockwell and Vice chair Daisy Lopez-Cid, and several new members of the board.
ADMISSIONS	<ol style="list-style-type: none"> 1. A.A. Degree Pathway: Dance Performance (renamed Pre-Major) 2. Added transcripts can be sent to transcripts@valenciacollege.edu. They will be considered official if received directly from a vendor or institution. 3. Dual Enrollment <ul style="list-style-type: none"> o Application Signature Request form, with all signatures is now required.
RECORDS	No Changes
REGISTRATION	<ol style="list-style-type: none"> 1. Course Audit updated to reflect students who remain in course beyond the drop/refund deadline for the term, will have final grade of "X" on transcript.

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<p>FINANCIAL INFORMATION & FEES</p>	<ol style="list-style-type: none"> 1. Removed information on the Tuition Installment Plan as it is no longer offered. 2. Collection of Debts <ol style="list-style-type: none"> a. Students are notified via Atlas email- no letter 3. Refund of Fees <ol style="list-style-type: none"> a. Addition: Valencia reserves the right to apply your refund due against any outstanding balance on your student account. 4. Full Cost of Instruction Fee <ol style="list-style-type: none"> a. Increased from \$218.00 to \$223.00 per credit hour for associate’s and bachelor’s level courses <i>(The full cost of instruction rates are governed are based on the system-wide average of the prior year’s cost of undergraduate programs for the Florida College System institutions as set forth under Florida Statute 1009.285 Fees for repeated enrollment in college-credit courses. This is not a fee that is set at a local level by our DBOT, but at a system level).</i>
<p>FINANCIAL AID</p>	<ul style="list-style-type: none"> • Edited Deadlines entry to remove reference to the Tuition Installment Plan as it is no longer offered. • Grants Florida Student Assistance Grant (FSAG) <p>Modified language about disbursement-- Disbursement is based on your total enrollment, including flex start courses. If you drop or withdraw from courses after disbursement, you risk losing FSAG eligibility for the upcoming aid year. If you are withdrawn for non-attendance prior to the disbursement of FSAG funds, payment for the withdrawn class(es) will not be made. To be considered for renewal, the student must have earned a minimum institutional cumulative 2.0 GPA and earn the following for each term an award was received during the academic year:</p> <ul style="list-style-type: none"> ○ 12 credit hours for each term for full-time enrollment; ○ 9 credit hours for three-quarter-time enrollment; or ○ 6 credit hours for half-time enrollment. <p>Scholarships Eligibility Changes to the following</p> <ul style="list-style-type: none"> • Bridges to Success clarification to the following: <ul style="list-style-type: none"> ○ Initial Eligibility ○ Renewal Eligibility • Florida Bright Futures Scholarship Program <ul style="list-style-type: none"> ○ Scholarship Appeal Process (published in the catalog now) If a student does not meet annual renewal requirements, they do have the option of appealing in cases of a verifiable illness or circumstances beyond the student’s control. The student must provide an explanation along with documentation related to the mitigating circumstances for the term(s) in question.

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An appeal must be filed within 30 days of the date of the ineligibility notice sent to the student or by the institution's deadline which is April 30th of the year following the loss of eligibility. Please contact the Financial Aid office on your campus for more information.

For additional details about the Bright Futures program and program regulations, visit www.floridastudentfinancialaid.org.

- Performing Arts Scholarships

Veterans

- Veterans benefits contact information updated
- Benefit Checks

Expanded benefit payments information to include will vary depending upon your individual eligibility. The first monthly payment will arrive no sooner than the 1st of the month after your term starts. Unless specified, the benefit payment is in check form and mailed to you. However, you can specify to have the check direct deposit depending on the request made on the EBenefits application. You may apply for direct deposit of your checks by calling 1-800-827-1000 or by going to <https://www.ebenefits.va.gov>.

- Deferment for Payment of Registration Fees for Veterans
 - The Veterans Certifying Official in the Student Services Office will issue a deferment for payment of student fees when you register for classes and submit a certification request. If you have had a break in your educational program, you may need to provide an updated VA Certificate of Eligibility (COE), register for classes, and a certification request. . While tuition and fee payment is pending from the VA, Valencia College will not: prevent your enrollment; assess a late penalty fee; require you to secure alternative or additional funding; deny you access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills. To qualify for this provision, you will be required to: produce the VA Certificate of Eligibility (COE) by the first day of class; provide a request to be certified using the Atlas system; and provide any additional information needed to properly certify your enrollment.
- Late Drops/Late Withdrawals
 - Valencia College will allow you to drop or withdraw from your courses after the published deadlines if a student is recalled to active duty. Once granted, the course will remain on your transcript with a grade of MR to indicate Military Recall. Note that Late Drops and Late Withdrawals may impact your standards of academic progress and can affect your benefits.
- If a debt is owed to Valencia (parking fine, VA deferments etc.), the college reserves the right to apply any amounts due against any refund payable to the student account. For any remaining credit, the balance will be electronically

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	<p>deposited to your bank account in accordance with your selected refund preference.</p>
<p>STUDENT AND CAMPUS SERVICES</p>	<ol style="list-style-type: none"> 1. Securities Department Updates for Downtown Campus <ol style="list-style-type: none"> a. Parking Request (go to UCF website https://parking.ucf.edu/ for permit not Valencia) b. DTC Student ID replacement cost \$15 2. Revised orientation information and removed reference to coming on campus requirement. 3. Office for Students with Disabilities location updated 4. Libraries link updated https://valenciacollege.edu/students/library/
<p>ENTRY TESTING & PLACEMENT AND MANDATORY COURSES</p>	<ol style="list-style-type: none"> 1. Multiple changes in placement scores <p>English:</p> <ol style="list-style-type: none"> a. ACCUPLACER Next Generation Writing- Score 236 or less: <ol style="list-style-type: none"> i. ENC 0017 <i>if you also score a 236 or less on the ACCUPLACER Next Generation Reading</i> b. SAT Writing and Language Test: <ol style="list-style-type: none"> i. Removed “Taken on or after March 01, 2016” ii. Score of 25 or more: ENC 1101 <i>if you also have a <u>reading</u> score that places you unto ENC 1101.</i> <p>Reading</p> <ol style="list-style-type: none"> a. ACCUPLACER Next Generation Reading- Score 236 or less: <ol style="list-style-type: none"> i. ENC 0017 if you also score a 236 or less on the ACCUPLACER Next Generation Writing b. SAT Reading Test <ol style="list-style-type: none"> i. Removed “Taken on or after March 01, 2016” ii. Score of 24 or more: ENC 1101 <i>if you also have a <u>writing</u> score that places you unto ENC 1101.</i> <p>Math</p> <ol style="list-style-type: none"> a. ACT Mathematics- Changed CPT-1 to AAF only b. ACCUPLACER (CPT) Elementary Algebra- Changed CPT-1 to AAF only c. ACCUPLACER (CPT-1) - Removed “To take CPT-1 requires college level placement scores.” d. ACCUPLACER ADv. Algebra & Functions <ol style="list-style-type: none"> i. Changed CPT-1 to AAF ii. MAC 1105 : Minimum score changed from 249 to 239 iii. MAC 1114, 1140, 2233, or MAE 2801, or MHF 2300: Score changed to 240 or more iv. MAC 2311: Minimum score changed from 275 to 265 e. SAT Math Test <ol style="list-style-type: none"> i. Removed “Taken on or after March 01, 2016” ii. Changed CPT-1 to AAF 2. Compass ESL changed to ACCUPLACER ESL (LOEP) 3. Duolingo English test minimum score of 75 (admissions option for international students)

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	<p>4. Health Science Program Additional Tests edited eligibility and modality of who can test.</p> <p>5. Added a disclaimer that due to Covid-19, processes may change. Visit https://valenciacollege.edu/assessments for current information</p>										
<p>DISTANCE LEARNING</p>	<ul style="list-style-type: none"> • Instructional Delivery Modes Definitions <p>Principal instructional delivery modes at Valencia</p> <table border="1"> <thead> <tr> <th data-bbox="480 478 630 558">Type of Course</th> <th data-bbox="630 478 1526 558">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="480 611 630 678">Face-to-Face</td> <td data-bbox="630 611 1526 678">A course with face-to-face instruction which may be enhanced with technology.</td> </tr> <tr> <td data-bbox="480 730 630 831">Real-Time Virtual*</td> <td data-bbox="630 730 1526 831">A course that requires students and instructors to meet online, in a virtual space, during designated days and times.</td> </tr> <tr> <td data-bbox="480 884 630 951">Mixed-Mode*</td> <td data-bbox="630 884 1526 1062">A course that blends the delivery of instruction between online and face-to-face (some hours are spent in the classroom with the rest being completed online). A minimum of 30% of the instruction of the course is delivered using some form of technology where the student and instructor are separated by time, space, or both.</td> </tr> <tr> <td data-bbox="480 1115 630 1182">Online*</td> <td data-bbox="630 1115 1526 1182">All class meetings and coursework occur online using the college-approved course management system.</td> </tr> </tbody> </table> <p>*Proctored testing or online, remote proctored testing may be required.</p> <ul style="list-style-type: none"> • Valencia College has been approved to participate in the National Council for State Authorization Reciprocity Agreement (NC-SARA). – An agreement among member states, districts and territories that establishes national standards for interstate offering of postsecondary distance education. • However, NC-SARA has no effect on state professional licensing or requirements for any courses or programs leading to professional licensure. • If you are an out-of-state student seeking professional licensure in a state other than Florida, and are taking an online course or program leading to professional licensure, Valencia College cannot guarantee whether the course or program meets requirements for professional licensure in your state, if other than Florida. • If you are considering an online academic program that leads to a professional license, we encourage out-of-state students to contact the appropriate state licensing board or agency where you are located to familiarize yourself with the 	Type of Course	Description	Face-to-Face	A course with face-to-face instruction which may be enhanced with technology.	Real-Time Virtual*	A course that requires students and instructors to meet online, in a virtual space, during designated days and times.	Mixed-Mode*	A course that blends the delivery of instruction between online and face-to-face (some hours are spent in the classroom with the rest being completed online). A minimum of 30% of the instruction of the course is delivered using some form of technology where the student and instructor are separated by time, space, or both.	Online*	All class meetings and coursework occur online using the college-approved course management system.
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state educational and other licensing requirements for the profession or occupation in which you are interested.

- **Currently, the state of California is not a part of NC-SARA. *Therefore, if you have a California mailing address and are not registered in at least one face-to-face or mixed mode course, you will be dropped from the online courses in which enrolled.***
- Technology Requirements (NEW REQUIREMENT FOR ONLINE)
- Valencia uses Canvas as our learning management system (LMS). Students are responsible for providing their own hardware, software, and Internet service provider or for accessing the Internet using the technology available in any Valencia open computer lab.
- Visit the [Minimum Technology Requirements](#) webpage for information on technology requirements such as supported operating systems, supported browsers, system requirements, and software.
- The Canvas Help and Atlas Help Desk will provide assistance to troubleshoot technical problems.
- For assistance with Canvas
 - Canvas Help is available within the Canvas navigation menu with 24/7 assistance through chat, email, and the Canvas Support Hotline at 407-582-5600
- For assistance with Atlas
 - Tutorials and videos regarding Atlas are available on the [Student How To](#) website. Atlas Help Desk is available at 407-582-5444 and by email at askatlas@valenciacollege.edu.
- Added Minimum Technology Requirements link to website with current information
- Revised Resources for Online Courses entry for Library Services and Learning Support Online Tutorial Services:
 - Through the Learning Support division of the college, Valencia also provides access to online tutoring. Online tutoring is accessible in the Courses tab of Atlas and offers support in a variety of subjects including: math, writing, science, business, computers and technology, and nursing and allied health. Students can connect on demand with a live tutor for a drop-in session 24 hours a day, search available resources, or submit writing for detailed review. Online tutoring is a great option for students who take classes solely online and rarely visit a campus, or for times when campus centers are at capacity or closed due to business hours.
- Revised Resources for Online Courses entry for Student Services:
 - For assistance with admissions and financial aid, students can contact the virtual [Answer Center](#). Confidential information about the student's record can be researched and discussed via Atlas email within FERPA regulations because of the secure Atlas sign in.
- Applications for Admission must be submitted online.

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	<ul style="list-style-type: none"> • All degree-seeking students must complete a Valencia New Student Orientation prior to registering for classes. • Students seeking financial aid can complete many processes online including FAFSA completion; accepting, declining or modifying financial aid awards; verification worksheets; and tracking satisfaction of financial aid requirements. If a student is selected for verification, the student’s and parent’s taxes can be provided electronically. <p>Students can access Admissions and Records, Financial Aid, and an Academic Advisor virtually. Students can engage with an advisor by visiting Virtual Advising.</p> <ul style="list-style-type: none"> ○ Once students have registered for classes, they can pay for their classes online in Atlas using a credit card or ACH transfer (electronic check). ○ Through the My LifeMap tab in Atlas, students can access career development services and inventories; educational planning assistance including term-by-term course planning for degree completion; job prospect information including salary and company information; financial planning assistance; and an online portfolio to showcase their work to professors and employers. ○ Students in an A.S., certificate or bachelor's program can contact their Career Program Advisor directly. They can locate the name and email address of their advisor in their Atlas account. <ul style="list-style-type: none"> • Revised Resources for Online Courses entry for Test Proctoring: <ul style="list-style-type: none"> ○ For students taking mixed-mode courses, exams may be administered by the professor on campus and/or made available at Valencia testing centers. Students registered for real-time virtual or online courses may be required to take online, remote proctored exams using the online exam proctoring service, Honorlock. Visit the Student FAQ website for information including the materials needed, how to access technical assistance, and preparing for a proctored exam.
<p>ALTERNATIVE WAYS TO EARN CREDIT</p>	<ol style="list-style-type: none"> 1. Updated Florida Department of Education Articulation Coordinating Committee Credit-by-Exam Equivalencies link 2. Career Pathways entry updated with how students can request college credit through online form, on website, revised URL and career clusters

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<p>ACADEMIC POLICIES & PROCEDURES</p>	<p>1. New Grade Options (spring 2020 term only)</p> <table border="1" data-bbox="540 207 1484 976"> <thead> <tr> <th data-bbox="540 207 643 268">Grade</th> <th data-bbox="643 207 784 268">Equated</th> <th data-bbox="784 207 1484 268">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="540 268 643 491">R20</td> <td data-bbox="643 268 784 491">W</td> <td data-bbox="784 268 1484 491">Denotes that student can re-take same course in 202030 at no cost to student. Not eligible for change of grade. 202020 course is not counted as an attempt, no effect on GPA, no earned credit given.</td> </tr> <tr> <td data-bbox="540 491 643 604">S+</td> <td data-bbox="643 491 784 604">A, B, or C</td> <td data-bbox="784 491 1484 604">Passing for all courses, including Gordon Rule courses. No effect on GPA, Credits are earned.</td> </tr> <tr> <td data-bbox="540 604 643 747">S-</td> <td data-bbox="643 604 784 747">D</td> <td data-bbox="784 604 1484 747">Passing for courses where minimum grade of a “D” is required, including courses that are considered electives.</td> </tr> <tr> <td data-bbox="540 747 643 825">U</td> <td data-bbox="643 747 784 825">F</td> <td data-bbox="784 747 1484 825">Not passing. Counts as attempt. No effect on GPA</td> </tr> <tr> <td data-bbox="540 825 643 976">I</td> <td data-bbox="643 825 784 976">I</td> <td data-bbox="784 825 1484 976">Possible extension of time period to complete coursework to receive letter grade. Once time period has been exhausted</td> </tr> </tbody> </table> <p>2. Updated, Conditions of Grade Forgiveness for Valencia Course Work, to incorporate how new grades are evaluated.</p> <p>3. Student Academic Dispute Resolution updated with Ombudsperson for each campus.</p> <p>4. Academic Standards & Progress updated to include new grades adopted during COVID-19</p> <p>5. Academic Standards and Progress language update to align with the process students are asked to follow at the different stages of the progression.</p> <p>6. Student Academic Dispute Resolution updated to follow administrative complaint resolution form.</p>	Grade	Equated	Description	R20	W	Denotes that student can re-take same course in 202030 at no cost to student. Not eligible for change of grade. 202020 course is not counted as an attempt, no effect on GPA, no earned credit given.	S+	A, B, or C	Passing for all courses, including Gordon Rule courses. No effect on GPA, Credits are earned.	S-	D	Passing for courses where minimum grade of a “D” is required, including courses that are considered electives.	U	F	Not passing. Counts as attempt. No effect on GPA	I	I	Possible extension of time period to complete coursework to receive letter grade. Once time period has been exhausted
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<p>EDUCATIONAL ENHANCEMENT OPPORTUNITIES</p>	<ul style="list-style-type: none"> • Dual Enrollment students are exempt from application, matriculation, and laboratory fees. Textbooks and instructional materials for public school students are provided by the school district through the school they attend; Textbooks for home education students will be provided by Valencia College (instead of \$300 per semester stipend for text books). 																		
<p>TEACHER PREPARATION & RECERTIFICATION</p>	<p>No changes</p>																		
<p>SENEFF HONORS COLLEGE</p>	<ul style="list-style-type: none"> • Admissions to the Seneff Honors College criteria updated list of honors courses. • Removed Interdisciplinary Studies Track Page • Removed Global Studies Track Page • Graduation Distinctions <ul style="list-style-type: none"> ○ Honors Diploma includes The SENEFF Honors College Scholar & Valencia Honors Scholar ○ Honor Certificate 																		

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	<ul style="list-style-type: none"> • Scholarship eligibility updated • Honors grade forgiveness policy clarified
RESOLUTION OF STUDENT ISSUES	Titles of contact individuals were updated
CONTINUING EDUCATION	<p>Continuing Education</p> <ul style="list-style-type: none"> • Valencia College Continuing Education provides non-degree workshops, programs and services that focus on workforce development for local organizations, business professionals and individuals, as well as non-degree programs for local and international students in the areas of languages and international workforce development. From languages to Accelerated Skills Training programs to customized training for organizations, we provide the workforce development needed to help individuals and organizations succeed. • For a list of available programs and courses, visit the Continuing Education Course Catalog. • For program and registration information, contact Continuing Education Student Services. <p>Accelerated Skills Training Program</p> <ul style="list-style-type: none"> • Students are required to attend all classes and take all examinations required by the respective certifying bodies, and demonstrate proficiency to receive a passing grade of "P." A non-passing grade in any course will cause the student to retake the course. • Students may be dismissed from Accelerated Skills Training Programs and terminated from Veteran's Benefits if they fail to achieve program requirements for industry credential examinations or exceed program attendance requirements for unexcused absences. • Excused absences are given when a student can show evidence of illness, death in immediate family, jury duty or other equally serious reason for non-attendance. The instructor will determine if an absence is excused or unexcused.
DRUG FREE SCHOOLS & COMMUNITIES ACT	No Changes
GLOSSARY	<p>Added definitions for the following:</p> <ul style="list-style-type: none"> ○ Award of Credit - ○ Articulation Agreement - ○ Tech Express to Valencia - ○ Tech Express Advisor - ○ Ask Atlas- ○ Atlas- ○ Atlas Lab – <p>Removed</p> <ul style="list-style-type: none"> ○ Atlas Groups
CATALOG ARCHIVES	Edited to add 2019-2020 catalog

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	CURRICULUM CHANGES
CURRICULUM COURSE ADDITIONS/MODIFICATIONS	<ul style="list-style-type: none"> • 40 courses were added in multiple current and new degree programs • 64 courses were modified in multiple current and new degree programs <ul style="list-style-type: none"> ○ HUM 2223 renamed Medieval Humanities ○ PAX 1500 renamed Introduction to Conflict Management • 7 courses were deleted from multiple current programs • 42 Degrees and Certificate Programs were modified
CURRICULUM PROGRAM/CERTIFICATE ADDITIONS & MODIFICATIONS	<ul style="list-style-type: none"> • Advanced Technical Certificate in Cake Artistry <ul style="list-style-type: none"> ○ Effective Date: Spring 2020 (202020) • A.S. in Cybersecurity & Network Engineering Technology (renamed from Network Engineering Technology) • A.S. Engineering Technology • Hospitality Management Experiential Learning Program, A.S. • A.S. in Property Management (renamed to remove “Residential”) • A.S. in Restaurant and Foodservice Management (credit reduction from 64 to 60)

**Course and Program Changes from CCC
(Additions, Modifications, and Deletions; Field Review Changes and Information Items)
From May 2019 through April 2020 CCC meetings**

Credit Course Additions

CEN 3942 Internship in Computing Technology & Software Development, CCA

Purpose: The Internship in Computing Technology & Software Development course will allow students to engage in a work-based learning experience that will help them develop essential career skills and industry knowledge, and earn academic credit; **Credit/Contact/Lab:** 3-9/0/0; **Prerequisites:** CEN 4025C and departmental approval; **Co-requisites:** None; **Catalog Course Description:** This course is a work-based learning experience designed to emerge Computing Technology & Software Development students in learning opportunities in business and professional settings that are an extension of the Computing Technology & Software Development curriculum and allows students to enhance workplace skills while providing meaningful experience related to the student's career objectives. The internship experience is structured for learning with faculty supervision, reflection and evaluation. Students may enroll in up to a maximum of 9 credit hours of internships and must complete a total of 240 work hours for each 3 credit hour internship experience. Grade forgiveness cannot be applied.

CNT 2000C Network Automation with Scripting Languages, CCA

Purpose: Adding a new intermediate-level course to the Associate in Science degree in Cybersecurity & Network Engineering Technology; **Credit/Contact/Lab:** 3/4/1; **Prerequisites:** CET 2660C, CET 2792C, and CET 1610C; **Co-requisites:** None; **Catalog Course Description:** This course starts by providing an introduction to network automation, Software defined networks (SDN), and various applications of network automation, which include integrating DevOps tools to automate the network efficiently. It then guides the student through

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different network automation tasks and covers various data digging and reporting methodologies such as IPv6 migration, Domain Control (DC) relocations, and interface and data parsing, all the while retaining security and improving data center robustness. The course covers the use of Python scripting and the management of SSH keys for machine-to-machine (M2M) communication, all followed by practical use cases for network automation. The course concludes with testing automated networks using different tools.

EGS 2004C Electrical Networks, CCA

Purpose: This course is equivalent to UCF's EEL-3004C Linear Circuits I. UCF had included 2 hours per week Lab in their course since last year so we are also including labs to make it equivalent to UCF's course. Please see the attached supporting document - UCF Catalog description.docx. We would like to have this additional hours of class time to improve students' performance. This extra lab hours will be used for active learning activities and some hands on experiments (lab projects); **Revised Course Number:** EGS 2004C; **Credit/Contact/Lab hours:** 3/5/2; **Prerequisites:** Minimum grade of C in MAC 2312, and PHY 2049C; Pre **or Corequisite:** MAP 2302; **Catalog Course Description:** Analysis and design of linear circuits, transients, AC analysis, power calculations, three-phase circuits.

EPI 0009 Foundations of Reading Instruction, CCA

Purpose: FAC Rule 6A-5.066 3(a & b) changed in October 2019: "Scientifically researched and evidence-based reading instructional strategies appropriate to the candidate's teacher preparation program area as follows: a. Candidates in prekindergarten-primary (age 3-Grade 3), elementary (K-6), and exceptional student education (K-12) certification programs shall be prepared in reading endorsement competencies one (1) through four (4). b. Candidates in middle grades (5-9), secondary (6-12), and elementary and secondary coverage (K-12) certification programs shall be prepared in reading endorsement competencies one (1) and two (2)."; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Admission to Educator Preparation Institute Program; **Co-requisites:** None; **Catalog Course Description:** This course focuses on developing a substantive understanding of six components of reading as a process: comprehension, oral language, phonological awareness, phonics, fluency, and vocabulary.

ETI 2644 Production and Inventory Control, CCA

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

FSS 1068C Enriched Artisan Bread, CCA

Purpose: Adding this course for the ATC to enhance the pastry programs; **Credit/Contact/Lab:** 3/6/5; **Prerequisites:** Department approval; **Co-requisites:** None; **Catalog Course Description:** This course teaches the traditional artisan mixing, kneading, folding, shaping and baking techniques used to produce a variety of sweet and soft artisan breads, including cinnamon buns, Challah, Croissants, Kugelhopf, Brioche, Babka and other buns and breads.

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FSS 1075C Rustic Artisan Bread, CCA

Purpose: Part of the Advanced Technical Certificate in bread baking; **Credit/Contact/Lab:** 3/6/5;

Prerequisites: Department approval; **Co-requisites:** None; **Catalog Course Description:** This course explores rustic artisan breads in a wide variety of traditional styles, including baguette, miche, lavosh, focaccia, marble rye and ciabatta. Learn mixing, kneading, folding and shaping techniques as you make crusty hearth-style artisan breads using a range of grains, including wheat, rye, oats and spelt and Gluten Free, and Non-GMO.

FSS 2052C Whole Grain Artisan Bread, CCA

Purpose: Part of the Advanced Technical Certificate in bread baking; **Credit/Contact/Lab:** 3/6/5;

Prerequisites: Department approval; **Co-requisites:** None; **Catalog Course Description:** This course teaches you the nutritional benefits of whole grain bread baking by giving you the opportunity to produce a variety of artisanal breads. Learning how the proper techniques for milling grain and preparing starters and soakers can help you extract the maximum flavor and nutritional value from such whole grains as wheat, rye, oats, spelt, millet, buckwheat and corn. You will be able to create a variety of breads from across the globe such as Finnish hapanleipä, Bavarian pumpernickel and Turkish flatbread.

FSS 2068C Global Artisan Bread, CCA

Purpose: Part of the Advanced Technical Certificate in bread baking; **Credit/Contact/Lab:** 3/6/5;

Prerequisites: Department approval; **Co-requisites:** None; **Catalog Course Description:** This course is designed to help you build an impressive repertoire of traditional artisan yeast and non-yeast breads from across the globe. The baker will learn essential bread-making techniques to produce bagels, dahlpourie, doubles, pita, empanadas, roti, naan and tortillas as well as other traditional breads from Turkey, Morocco, Mexico, Greece and the Caribbean. Expand your knowledge on how these distinctive breads are used as you produce accompaniments that you can pair with the breads to make complete dishes.

FSS 2074C Sourdough Artisan Bread, CCA

Purpose: Part of the Advanced Technical Certificate in bread baking; **Credit/Contact/Lab:** 3/7/6;

Prerequisites: Department approval; **Co-requisites:** None; **Catalog Course Description:** This course will teach you to culture and nurture your own starter so that you can enhance flavor in a variety of artisan breads. Explore the fundamentals of sourdough artisan bread-making, including mixing, kneading, folding, shaping and fermentation methods. The baker will also use your sourdough starter to produce English muffins, red grape tarts and specialty loaves, including pumpernickel, walnut sourdough, sprouted grain and whole grain sourdough.

FSS 2080C Complex Cake Decorating, CCA

Purpose: Part of the Advanced Technical Certificate in Continuing education for students and professionals already in the industry; **Credit/Contact/Lab:** 3/6/5; **Prerequisites:** Department approval; **Co-**

requisites: None; **Catalog Course Description:** This course is designed to develop the essential skills for working with marzipan, pastillage, rolled fondant and royal icing. Students will use different piping tips, practice creating the effect of fine lace pieces and beautiful brush embroidery. They will also learn to complement specialty cakes with cocoa painting, stenciling, quilting, flood work, and bas-relief to name a few.

FSS 2081C Advanced Cake Decorating, CCA

Purpose: Part of the Cake Artistry Advanced Technical Certificate Framework; **Credit/Contact/Lab:** 3/6/5;

Prerequisites: Department approval; **Co-requisites:** None; **Catalog Course Description:** This course is designed to take your cake decorating skills to the intermediate level. Through demonstrations and hands on

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practice, learn to design and produce tiered wedding cakes. Students will explore ribbon insertion, ruffling, pleating, draping, ruching, tufted billows and ribbon roses, as well as painting on sugar and basic isomalt work.

FSS 2082C Specialty Cakes, CCA

Purpose: Part of the Cake Artistry Advanced Technical Certificate Framework; **Credit/Contact/Lab:** 3/6/5; **Prerequisites:** Department approval; **Co-requisites:** None; **Catalog Course Description:** Students will expand their decorating repertoire by learning to create novelty cakes. They will incorporate both structural and design elements as well as a range of decorating skills and techniques in cake construction. There will be production of established designs before working toward completing a cake of your own design. This course also includes gum paste techniques designing flowers with petal dusts and wiring arrangements.

FSS 2083C Sugar, Sculpting, and String Work, CCA

Purpose: Part of the Cake Artistry Advanced Technical Certificate Framework; **Credit/Contact/Lab:** 3/6/5; **Prerequisites:** Department approval; **Co-requisites:** None; **Catalog Course Description:** Students will expand their knowledge in modeling pastes, and chocolate clay. They will learn to sculpt and model lively, colorful characters and accent pieces to final design. The course includes practicing delicate and elaborate string works known as gravity defying Oriental String work with royal icing, flo-gel, and chocolate.

GEB 1220 Writing and Speaking in Business, CCA

Purpose: Workplace continuing need for effective business communicators demonstrating accomplished business writing and speaking skills; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course is a study of the basics of business writing and speaking and introduces students to common written formats, such as the memo, letter, and report. The course will stress techniques to improve writing and speaking skills and will teach students how to apply techniques used in the business writing process and oral communications. Other topics covered include, but are not limited to, appropriate strategies for internal and external communication situations, audience analysis, and communication through technology.

GEB 2862 Business Spreadsheet Applications, CCA

Purpose: This course will combine business decision-making skills and data compiled via spreadsheets to determine, understand and implement business concepts/decisions based on cases and scenarios; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** CGS 2100; **Co-requisites:** None; **Catalog Course Description:** Based on real-world data, students will apply current computer spreadsheet software to solve business problems and make decisions with various spreadsheet features.

HFT 2944 Hospitality Management Field Experience I, CCA

Purpose: The purpose of the Hospitality Management Field Learning Track is to provide a pathway for active employees in the Hospitality and Tourism industry in Florida to earn an accelerated A.S. degree through the award of articulated credits for work-based learning and industry certifications; **Credit/Contact/Lab:** 6/6/0; **Prerequisites:** Departmental approval; **Co-requisites:** None; **Catalog Course Description:** This course is a planned work-based experience where students will demonstrate competencies in practical experiences related to the hospitality management occupational field in which they are currently employed. Students will review and discuss major concepts related to hospitality management, define managers' responsibilities including handling guest complaints, guest service recovery, evaluating service quality, recruitment, labor laws,

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and training within the context of their occupational field. Course requires a minimum of 240 clock hours of work.

HFT 2945 Hospitality Management Field Experience II, CCA

Purpose: The purpose of the Hospitality Management Field Learning Track is to provide a pathway for active employees in the Hospitality and Tourism industry in Florida to earn an accelerated A.S. degree through the award of articulated credits for work-based learning and industry certifications; **Credit/Contact/Lab:** 6/6/0; **Prerequisites:** Minimum grade of C in HFT 2944; **Co-requisites:** None; **Catalog Course Description:** In this planned work-based experience course students will demonstrate competencies in practical experiences related to hospitality management occupational field in which they are currently employed. Students will apply and demonstrate major concepts learned in HFT 2944 within the context of their own occupational duties. Course requires a minimum of 240 clock hours of work.

HFT 2946 Hospitality Management Field Experience III, CCA

Purpose: The purpose of the Hospitality Management Field Learning Track is to provide a pathway for active employees in the Hospitality and Tourism industry in Florida to earn an accelerated A.S. degree through the award of articulated credits for work-based learning and industry certifications; **Credit/Contact/Lab:** 6/6/0; **Prerequisites:** Minimum grade of C in HFT 2945; **Co-requisites:** None; **Catalog Course Description:** In this third and final planned work-based experience course students will continue to demonstrate competencies in practical experiences related to Hospitality Management occupation in which they are currently employed. Students will build on what was learned in HFT 2944 and HFT 2945 by appraising their own values and behaviors in the performance of their occupational duties. Students must be a full-time employee in the hospitality industry. Course requires a minimum of 240 clock hours of work.

HSA 3702 Research Methods and Info Literacy, CCA

Purpose: Students tend to postpone taking this course until late in the program because the course number implies that it may be very challenging. Changing the course number to 3000 level will help alleviate this fear and support our advice for them to take it during the first or second semester. This will allow them to benefit from the skills attained in the course as they complete writing assignments in other program courses; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Admission into a BS degree program in Radiologic & Imaging Sciences or Cardiopulmonary Sciences; **Co-requisites:** None; **Catalog Course Description:** Research methods and information literacy are important because the health care profession is continually changing, which requires the allied health professional to possess new knowledge to function competently. The allied health professional should contribute to the body of knowledge and be able to effectively analyze resources to promote growth in the profession. The attitude of lifelong learning enables the professional to stay in step with the current health care environment and be prepared to help foster the future and increase awareness of the profession in the global community. This content is geared to increase and disseminate intellectual inquiry, information literacy and the use of scholarly research methods. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences or Cardiopulmonary Sciences B.S. degree requirements.

HSC 4404 Medical Disaster Management, CCA

Purpose: As part of the BSN consortium agreement student can complete this nursing elective course at one of the partner institutions and transfer the course to Valencia to meet program graduation requirements. By including this course in the will support the consortium agreement. In the future Valencia will be offering this course as part of its requirements; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Admission to BSN program, NUR 3825; **Co-requisites:** NUR 3825; **Catalog Course Description:** This course will introduce the student to

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various facets of natural and technological disasters while integrating public health research designs and practices. Discussions will utilize recent and historical case studies as the basis for developing the critical thinking and leadership skills needed by healthcare professionals in crisis situations. International, domestic, and regional settings will be addressed, as well as the social, economic, and political aspects of disaster planning, preparedness, and mitigation. Students also gain an understanding of basic public health concepts and methodologies.

JOU 2041C Feature Writing, CCA

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

MMC 2733 Social Media Campaigns-Capstone, CCA

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

MUM 2601L Sound Recording Lab I, CCA

Purpose: MUM 2663C Sound Recorded 1 has changed its number of credits from 4 to 1. This 1 credit lab is a companion and co-requisite to MUM 2623C. This new lab course allows us to better coordinate the recording sessions (out of class) portion of the program, through all of the sections of MUM 2623C, by creating a single section of recording labs that meets multiple times per week at different times, with changing groups of students; **Credit/Contact/Lab:** 1/5/5; **Prerequisites:** Minimum grade of C in MUM 1002C; **Co-requisites:** MUM 2663C; **Catalog Course Description:** This course focuses on hands-on application of Sound Recording techniques through lab activities, as well as through participation as an assistant recording engineer in recording sessions, both live, and in the studio. (This course requires an average of five hours outside of the scheduled class time, working on recording sessions each week).

MUM 2602L Sound Recording Lab II, CCA

Purpose: MUM 2664C Sound Recording 2 has changed its number of credits from 4 to 1. This 1 credit lab is a companion and co-requisite to MUM 2624C. This new lab course allows us to better coordinate the recording sessions (out of class) portion of the program, through all of the sections of MUM 2624C, by creating a single section of recording labs that meets multiple times per week at different times, with changing groups of students; **Credit/Contact/Lab:** 1/5/5; **Prerequisites:** Minimum grade of C in MUM 2663C and in MUM 2601L; **Co-requisites:** MUM 2664C; **Catalog Course Description:** This course focuses on hands-on application of Sound Recording technology through lab activities as well as participation as a recording engineer in recording sessions, both live as in the studio. (This course requires an average of five hours outside of the scheduled class time working on recordings each week).

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MUM 2661C Sound Recording I, CCA

Purpose: The recording session of this course is being moved to MUM 2601L Sound Recording Lab 1, a 1-credit course that will be a co-requisite. Course was changed from MUM 2663C; **Revised Co-requisite:** MUM 2634L and MUM 2601L; **Revised Credit/Contact/Lab Hours:** 3/5/4; **Revised 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.

MUM 2666C Sound Recording II, CCA

Purpose: The recording session of this course is being moved to MUM 2601L Sound Recording Lab 1, a 1-credit course that will be a co-requisite. Course was previously MUM 2664C; **Revised Prerequisite:** Minimum grades of C in MUM 2601L, MUM 2661C and MUM 2634L; **Revised Co-requisite:** MUM 2602L; **Revised Credit/Contact/Lab Hours:** 3/5/4.

MUM 2678L Mixing Techniques, CCA

Purpose: This course addresses a need for a lab course where students can learn and implement multitrack audio mixing techniques in a variety of deliverable formats. Creation of this course was recommended at the Advisory Committee meetings; **Credit/Contact/Lab:** 1/2/2; **Prerequisites:** Minimum grade of C in MUM 2664C; **Pre or Co-requisites:** MUM 2790L; **Catalog Course Description:** Students mix multitrack recordings with different requirements and in different genres, applying the prevailing aesthetics for the particular types of music being mixed. Students will mix in 2-channel stereo, and in several Surround and Immersive Sound techniques.

NUR 3930 Selected Topics in Baccalaureate Nursing, CCA

Purpose: To give credit to students transferring in from other institutions; **Credit/Contact/Lab:** 1-3/variable/0; **Prerequisites:** Department approval; **Co-requisites:** None; **Catalog Course Description:** Selected Topics in Nursing is based on the needs and areas of interest of the class and professor. May include field work as part of the class. Can be repeated for up to 6 credits and grade forgiveness cannot be applied. The description for the Selected Topics in Nursing course will be specified in each course proposal.

NUR 3678 Nursing Care of vulnerable Populations, CCA

Purpose: The Internship in Computing Technology & Software Development course will allow students to engage in a work-based learning experience that will help them develop essential career skills and industry knowledge, and earn academic credit; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Admission to BSN program; **Co-requisites:** None; **Catalog Course Description:** This course is designed to pull together material from different cultures and at-risk groups of individuals considered to be vulnerable populations. Key concepts will be discussed that will provide a basic structure for caring for the vulnerable, the relevance of nursing theories to vulnerable populations, nursing research showing the kinds of phenomena nurses study, and many ideas about learning to work with and advocate for vulnerable individuals.

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NUR 4257 Critical Care Nursing, CCA

Purpose: As part of the BSN consortium agreement student can complete this nursing elective course at one of the partner institutions and transfer the course to Valencia to meet program graduation requirements. By including this course in the will support the consortium agreement. In the future Valencia will be offering this course as part of its requirements; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Admission to BSN program. NUR 3125, NUR 3825; **Co-requisites:** NUR 3825; **Catalog Course Description:** This theoretical course focuses on synthesizing nursing knowledge and skills in caring for adult clients and their families impacted by critical illness. The emphasis is on both pathophysiology and clinical management.

NUR 4286 Gerontological Nursing, CCA

Purpose: As part of the BSN consortium agreement student can complete this nursing elective course at one of the partner institutions and transfer the course to Valencia to meet program graduation requirements. By including this course in the will support the consortium agreement. In the future Valencia will be offering this course as part of its requirements; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Admission to BSN program; **Co-requisites:** NUR 3825; **Catalog Course Description:** This course will examine the process of aging. Physical, psychological, sociocultural, and spiritual aspects of aging are examined within the context of the family and society. Advanced theoretical concepts of aging will be examined using the nursing process. The course will also present the unique health care needs of the older adult and introduce students to how nursing approaches manage those needs. Ethical/legal issues related to the nursing care of the older adults are explored.

NUR 4930 Selected Topics in Baccalaureate Nursing, CCA

Purpose: To give credit to students transferring in from other institutions; **Credit/Contact/Lab:** 1-12/1-12/0; **Prerequisites:** Department approval; **Co-requisites:** None; **Catalog Course Description:** Selected topics in Nursing is based on the needs and areas of interest of the class and professor. May include field work as part of the class. Can be repeated for up to 1-12 hours of credit and grade forgiveness cannot be applied. The description for the Selected Studies in Nursing course will be specified in each course proposal.

PLA 2560C Insurance Case Management for Paralegals, CCA

Purpose: Our community partners specifically requested that we create this course for our Paralegal Studies students; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Satisfactory completion of all mandated courses in reading, English and English for Academic Purposes. Minimum grade of C in PLA 1114 or Program Chair approval; **Co-requisites:** None; **Catalog Course Description:** This course focuses on the pre-suit litigation process as related to insurance claims in Florida. Students will gain experience and skill in dealing with the different types of insurance contracts, document retrieval, medical codes, basic medical terminology, reviewing and summarizing medical records, drafting demand letters and the billing process.

SON 1000 Intro to Medical Sonography, CCA

Purpose: Dividing the course SON 1000C into separate didactic (SON 1000) and lab (SON 1000L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** Acceptance into the A.S. Diagnostic Medical Sonography program; **Co-requisites:** SON 1002C; **Catalog Course Description:** An introduction to the profession of sonography and the role of the sonographer. Emphasis on basic ultrasound procedures, medical terminology, ethical/aspects, musculoskeletal disorders, professional issues relating to registry, accreditation, professional organizations, and history of the profession.

SON 1000L Sonography Instructional Lab I, CCA

Purpose: Dividing the course SON 1000C into separate didactic (SON 1000) and lab (SON 1000L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course; **Credit/Contact/Lab:** 1/4/4; **Prerequisites:** Acceptance into the A.S. Diagnostic Medical Sonography program; **Co-requisites:** SON 1000 and SON 1002C; **Catalog Course Description:** This is a supervised sonography lab with one-on-one, hands-on instruction of sonographic procedures with emphasis on patient care, sonographic terminology, basic knobology, scanning planes, and image quality. This course includes learning activities designed to ensure competence in the basic use of the ultrasound equipment and basic exam protocols focusing on gynecological, thyroid, scrotal, breast and non-cardiac chest exams.

SON 1001 Abdominal Sonography I, CCA

Purpose: Dividing the course SON 1001C into separate didactic (SON 1001) and lab (SON 1001L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** SON 1000; **Co-requisites:** SON 1804L, SON 2762; **Catalog Course Description:** This course is an in-depth study in the sonographic imaging of the abdominal viscera and pathological processes that affect this area of the body. This course also includes sonographic terminology and the correlation of the ultrasound findings with clinical laboratory test to pathological processes.

SON 1001L Sonography Instructional Lab II, CCA

Purpose: Dividing the course SON 1001C into separate didactic (SON 1001) and lab (SON 1001L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course; **Credit/Contact/Lab:** 1/4/4; **Prerequisites:** SON 1000, SON 1000L, and SON 1002C; **Co-requisites:** SON 1001, SON 1804L and SON 2762; **Catalog Course Description:** This is a supervised sonography lab with one-on-one, hands-on instruction of sonographic procedures with emphasis on patient care, sonographic terminology, basic knobology, scanning planes, and image quality. This course includes learning activities designed to ensure competence in the basic use of the ultrasound equipment and basic exam protocols focusing on gynecological, thyroid, scrotal, breast and non-cardiac chest exams.

SON 1112 Abdominal Sonography II, CCACarolyn Deleo

Purpose: Dividing the course SON 1112C into separate didactic (SON 1112) and lab (SON 1112L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course; **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** RTE 2762, SON 1001, SON 1001L, and SON 1804L; **Co-requisites:** SON 1614 and SON 1814L; **Catalog Course Description:** This course is a continuation of Abdominal Sonography I. It is an in-depth study in the sonographic imaging of the abdominal viscera and the pathological processes that affect this area of the body. The course also includes correlation of the ultrasound findings with clinical laboratory tests.

SON 1112L Sonography Instructional Lab III, CCACarolyn Deleo

Purpose: Dividing the course SON 1112C into separate didactic (SON 1112) and lab (SON 1112L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course; **Credit/Contact/Lab:** 1/4/4; **Prerequisites:** SON 1001, SON 1001L, SON 1804L, and RTE 2762; **Co-requisites:** SON 1112, SON 1614, and SON 1814L; **Catalog Course Description:** This is a supervised Sonography lab with one-on-one, hands-on instruction of sonographic procedures with emphasis on patient care, ultrasound computer equipment orientation, cross-sectional imaging planes and performance of quality

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exams. This course includes learning activities designed to ensure competence in the basic use of ultrasound equipment and basic exam protocols. Emphasis is on image evaluation and protocols for obstetric scanning.

Credit Course Modifications

AVM 1010 Aviation Management, CCM

Purpose: The changes to this course outline were to add three outcomes included in the Supervision and Management for Industry: Aviation Maintenance Technician Track Program. This was required to include learning outcomes for Intro to Business because the two aviation management courses replaced two business courses in the Supervision and Management for Industry degree. This course was changed from 3 credits to 6 credits due to adjusted course content; **Revised Course Title:** Aviation Maintenance and Business Operations.

CEN 4333C Advanced Database Development, CCM

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

CEN 4802C Software Integration, Configuration, and Testing, CCM

Purpose: Networking skills needed for network deployment unit; **Revised Prerequisites:** Minimum grade of C in CTS 1134C and minimum grade of C in CEN 3024C.

CET 2123C Fundamentals of Microprocessors, CCM

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

CET 2620C WAN Architecture and Perimeter Sec, CCM

Purpose: Change the course title from WAN Architecture and Perimeter Security to Network Firewalls; **Revised Course Title:** Network Firewalls.

CET 2890C Network Infrastructure Security, CCM.....W. Yousif

Purpose: Changing the course title from Network Infrastructure Security to Advanced Cybersecurity Operations; **Revised Course Title:** Advanced Cybersecurity Operations.

CET 2942 Internship in Networking, CCM.....W. Yousif

Purpose: Revise prerequisites; **Revised Prerequisite:** CET 1610C and CET 2830C.

CET 3136C Logic Devices Programming, CCM

Purpose: Modified outline slightly by removing 'AHDL', which is HDL developed by Altera and not as flexible as VHDL; 2. Added some course learning outcomes and evidence of learning; **Revised Catalog Course Description:** An in depth study of hardware and software architecture of programmable logic devices. Topics include PLDs architecture and design of Altera hardware and software description language, HDL format and

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syntax, and representation of data in VHDL logic circuits. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology B.S. degree requirement.

CET 4190C Digital Signal Processing, CCM

Purpose: (i) Changing outline to include more generic language for projects.

(ii) This is the only signal processing course in the program, hence, it is an introductory level course, not an advanced level. Making this change in the outline as well.

(iii) Fixing performance indicators of course learning outcome # 5; **Revised Catalog Course Description:** This introductory signal processing course includes the study of signals and systems, transformation techniques, digital filter designs, and practical applications of DSP. Students will work on design projects to get an in-depth understanding of signals, systems, and DSP applications. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology, B.S. Degree requirement.

CJE 2062 Peace, Conflict and the Police, CCM

Purpose: Removed ENC 1102 as a pre-requisite, removed a major student learning outcome and added a new major student learning outcome; **Revised Prerequisites:** None.

CNT 2417C Identity Security, CCM

Purpose: The title is more relevant to what's common in the industry; **Revised Course Title:** Cybersecurity Operations.

DAA 2610C Dance Composition & Improvisation I for Pre-Majors, CCM

Purpose: Upon discussion with dance faculty and potential transfer institutions, two credit hours for this course does satisfy the choreography transfer credit. The additional credit is suggested for use towards a technique class and/or performing credit. This adjustment also enables dancers to continue to enhance their technique and adhere to graduation requirements; **Revised Credit/Contact/Lab hours:** 1-3/Variable/0.

DAA 2611C Dance Composition & Improvisation II for Pre-Majors, CCM

Purpose: Upon discussion with dance faculty and potential transfer institutions, two credit hours for this course does satisfy the choreography transfer credit. The additional credit is suggested for use towards a technique class and/or performing credit. This adjustment also enables dancers to continue to enhance their technique and adhere to graduation requirements; **Revised Credit/Contact/Lab hours:** 1-3/Variable/0.

ETM 1602C Automated Electrical Systems and Devices, CCM

Purpose: To better prepare students to successful within this course; **Revised Prerequisite:** ETM 1600C, ETM 1601C, and one of the following: PHY 1020, MAC 1105 or higher, MGF 1106, MGF 1107, STA 2023.

ETM 1601C HVAC Systems and Devices, CCM

Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within our higher level courses; **Revised Prerequisites:** None.

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ETM 1602C Automated Electrical Systems and Devices, CCM

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

ETM 1603C Automation and Controls Design Through Commissioning, CCM

Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within this course; **Revised Prerequisites:** ETM 1600C and ETM 1601C.

ETM 1604C Energy Management Concepts, CCM

Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within this course; **Revised Prerequisites:** ETM 1600C and ETM 1601C.

ETM 2010C Mechanical Measurement and Instrumentation, CCM

Purpose: Removed prerequisite. This is mainly a hands-on laboratory course for students to become familiar with instrumentation and tools and their usage in industry. 2) Changed contact from 3/4/1 to 3/4/2; **Revised Credit/Contact/Lab:** 3/4/2; **Revised Prerequisites:** None.

ETM 2608C Automated Building Operations, CCM.....D. Hall

Purpose: ETM 1601C will provide students with the HVAC device fundamentals required to succeed within this course; **Revised Prerequisites:** ETM 1600C and ETM 1601C.

ETS 1210C Introduction to Photonics, CCM

Purpose: Revise prerequisites; **Revised Prerequisite:** MTB 1329 or MAC 1105, or department approval.

ETS 2221C Introduction to Electro-Optical Devices, CCM

Purpose: Prerequisites modified - add department approval; **Revised Prerequisites:** ETS 1210C or department approval.

ETS 2230C Introduction to Lasers, CCM

Purpose: Prerequisites modified - add department approval; **Revised Prerequisites:** ETS 1210C or department approval.

ETS 2544C Programmable Logic Controllers II, CCM

Purpose: Prerequisites modified-add department approval; **Revised Prerequisites:** ETS 2542C or department approval.

ETS 2604C Robotics Applications, CCM R. Bunea

Purpose: Prerequisites modified - add department approval option; **Revised Prerequisites:** ETS 1603C or department approval.

GRA 1933C Fundamentals of Creative Thinking, CCM

Purpose: Removing pre-requisites to open enrollment up to students in any discipline. Less focus placed on creative processes for graphic design and more intentional study of creativity as a design process in all facets of life and education; **Revised Prerequisite:** None; **Revised Course Description:** A course designed to

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encourage creative thinking and problem solving through group and individual projects, activities and discussions. The course will include a study of characteristics of a creative mind, alternative design approaches, creative process, creative problem-solving, assessing and increasing growth of creative potential; **Effective Date:** Fall 2020 (202110).

HFT 2021C Beer, Wine, and Beverage Essentials, CCM

Purpose: We would like to make this change to increase access and because HFT 1000 is not part of the Beverage and Bar Management Certificate; **Revised Prerequisite:** None.

HFT 2861C Beverage Management and Service, CCM

Purpose: We would like to make this change to increase access and because HFT 1000 is not part of the Beverage and Bar Management Certificate; **Revised Prerequisite:** None.

HSC 4640 Health Law & Compliance, CCM

Purpose: Update course number of pre-requisite; **Revised Prerequisites:** Admission into the BS in Radiologic & Imaging Sciences, or the BS in Cardiopulmonary Sciences programs, or the ATC in Leadership in Healthcare. Minimum grade of C in HSA 3702.

HUM 2223 The Middle Ages, CCM

Purpose: Course title was changed to something not congruent with the other period humanities courses, or with the same course at other institutions; **Revised Course Title:** Medieval Humanities.

HUM 2223H The Middle Ages-Honors, CCM

Purpose: Course title was changed 2 years ago to something not congruent with the other period humanities courses, and not aligned with the same course at our sister institutions. This is to rectify that error; **Revised Course Title:** Medieval Humanities-Honors.

MAN 4720 Strategic Management Capstone, CCM

Purpose: This will allow students to take the capstone MAN 4720 simultaneously with MAN 4120 and/or MAN 4162 in their final term, avoiding the need for students to wait to complete MAN 4720 in a later or additional term; **Revised Corequisites:** MAN 4120 and MAN 4162; **Effective Date:** Fall 2020 (202110).

MMC 2450 Data Literacy for Communicators, CCM.....Courtney Lewis

Purpose: Revise prerequisites; **Revised Prerequisites:** Recommended Prerequisite MGF 1106 or STA 1001C or higher level statistics course.

MUM 1642L Foley and Sound Design, CCM.....R. Valery

Purpose: Students benefit from taking the course a second time as a valid elective. Make course repeatable for credit.

MUM 2623C MIDI Electronic Music I, CCM.....R. Valery

Purpose: This change will make this course 3 credits as in other institutions, and will make it equivalent in contact and credit hours to the follow up course MUM 2664C MIDI Electronic Music II; **Revised Credit/Contact/Lab Hours:** 3/6/4.

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

MUM 2637L Intro to Video Game and VR Sound, CCM.....R. Valery

Purpose: Name change from "Video Games" to "Videogames" because the single word is the standard in that industry; **Revised Course Title:** Intro to Videogame and VR Sound; **Revised Course Description:** An overview of the fundamental concepts in sound design and implementation techniques for Videogames and Virtual Reality.

MUM 2640L Post-Production Sound, CCM.....Raul Valery

Purpose: Adding the word Capstone to the title; **Revised Course Title:** Post-Production Sound-Capstone.

MUM 2790L Music Production, CCM

Purpose: Adding the word Capstone to the title, revise prerequisites, revise course description; **Revised Course Title:** Music Production-Capstone; **Revised Prerequisites:** Minimum grade of C in MUM 2664C; **Revised Course Description:** Participation by students as technicians, producers and managers in the production of either a live audio event, closely paralleling the workings of a music production company. Multiple credit course. May be repeated for maximum of two credits, but grade forgiveness cannot be applied.

NUR 3125 Pathophysiology for Nursing Practice, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised Prerequisites:** NUR 3825; **Revised Co-Requisites:** NUR 3825.

NUR 3145 Pharmacology, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised Prerequisites:** NUR 3825; **Revised Co-Requisites:** NUR 3825.

NUR 3169 Evidence and Research in Nursing Practice, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised Prerequisites:** Minimum grades of C in STA 2023, NUR 3825 and NUR 3125.

NUR 3634 Community Health Nursing, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised Prerequisites:** NUR 3125, NUR 3169, NUR 3825, and NUR 4837; **Revised Co-Requisites:** NUR 3169, NUR 4837.

NUR 3825 Professions of Role Transformation, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised Prerequisites:** Admission to the B.S.N program; **Revised Co-Requisites:** None.

NUR 3870 Informatics in Healthcare Nursing, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised Prerequisites:** NUR 3825; **Revised Co-Requisites:** NUR 3825.

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

NUR 4829 Leadership and Management in Nursing, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised**

Prerequisites: NUR 3825; **Revised Co-Requisites:** NUR 4945C.

NUR 4837 Healthcare Policy and Economics in Nursing, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised**

Prerequisites: NUR 3825; **Revised Co-Requisites:** None.

NUR 4945C Nursing Capstone, CCM

Purpose: As the program is growing we are wanting to gateway student progression in the program; **Revised**

Prerequisites: NUR 3125, NUR 3169, NUR 3634, NUR 3667, NUR 3825, NUR 4829, and NUR 4837; **Revised Co-Requisites:** NUR 3169, and NUR 4829.

ORH 1510C Ornamental Plant Materials I, CCM

Purpose: Outline submitted with change to course title and prerequisites; **Revised Course Title:** Ornamental Plant Materials; **Revised Prerequisites:** PLS 1010C or BOT 2010C or department approval.

OST 2943 Internship in Medical Office, CCM

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

Revised prerequisites: Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes; and 12 credits, including OST 1467C and OST 2464C.

PAX 1500 Conflict Transformation: Paths to Peace, CCM

Purpose: Enrollment for PAX 1500 has been low for a few years. When courses are scheduled, many times there is not sufficient enrollment for the course to run. These intended curricular changes adjust the focus of the course to include more practical application-based approaches to conflict management. With the curriculum changes that include addressing conflict management in the workplace, we are hoping to boost enrollment and offer an important skill-based course to Valencia business students and other populations;

Revised Course Title: Introduction to Conflict Management; **Revised Course Description:** This course introduces positive conflict management processes and skills critical for leadership and human flourishing. While conflict is natural and a critical agent for change and transformation, it can also lead to undesirable outcomes such as damaged relationships, alienation, and even violence. Achieving a favorable outcome in conflict depends on HOW we navigate conflict--which requires skills many of us have never been taught. In this course, students will learn to self-regulate, listen actively, mediate, negotiate, communicate effectively, and identify resources to support effective conflict resolution in a personal, organization, or societal context.

REE 1500 Introduction to Residential Property Management, CCM

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry. Specifically meaning by eliminating "residential" we can eliminate confusion with residential single family sales which is not part of this coursework and achieving a broader appeal by

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

distinguishing Property Management which includes all commercial including multi-family, office and retail;
Revised Course Title: Introduction to Property Management.

REE 2430 Residential Property Management Law, CCM

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

REE 2503 Residential Property Management Budgeting & Finance, CCM

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

REE 2505 Residential Property Maintenance for Managers, CCM

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

REE 2506 Residential Property Management and Leadership, CCM

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

REE 2507 Residential Property Security and Risk Management, CCM

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

REE 2508 Residential Property Management of Specialized Housing, CCM

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

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

REE 2943 Internship in Residential Property Management, CCM

Purpose: Changes are to make the degree broader in appeal to property management and expanding the types of internships to include office and retail management opportunities; **Revised Course Title:** Internship in Property Management.

REE 2951 Residential Property Management Capstone Project, CCM

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

RTE 3116 Advanced Patient Care, CCM

Purpose: Updating the prerequisites to include students admit to the Vascular Ultrasound ATC program; **Revised Prerequisites:** Admission into the BS in Radiologic & Imaging Sciences program, or the ATC in CT, MRI, Mammography or Vascular Ultrasound.

SPC 1017 Interpersonal Communication, CCM

Purpose: Gen Ed outcome revision. Add new ethical responsibility outcome.

SPC 1017H Interpersonal Communication-Honors, CCM

Purpose: Gen Ed outcome revision. Add new ethical responsibility outcome.

SPC 1608 Fundamentals of Speech, CCM

Purpose: Gen Ed outcome revision. Add new ethical responsibility outcome.

SPC 1608H Fundamentals of Speech-Honors, CCM

Purpose: Gen Ed outcome revision. Add new ethical responsibility outcome.

Credit Course Deletions

EGS 2004 Electrical Networks, CCD

Purpose: This course is equivalent to UCF's EEL-3004C Linear Circuits I. UCF had included 2 hours per week Lab in their course since last year so we are also including labs to make it equivalent to UCF's course. Please see the attached supporting document - UCF Catalog description.docx. We would like to have this additional hours of class time to improve students' performance. This extra lab hours will be used for active learning activities and some hands on experiments (lab projects); **Revised Course Number:** EGS 2004C; **Revised Credit/Contact/Lab hours:** 3/5/2.

HSA 4702 Research Methods and Info Literacy, CCD

Purpose: Course number changed to HSA 3702.

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

MUM 2663C Sound Recording I, CCD

Purpose: The recording session of this course is being moved to MUM 2601L Sound Recording Lab 1, a 1-credit course that will be a co-requisite; **Revised Co-requisite:** MUM 2634L and MUM 2601L. Course number changed to Mum 2661C; **Revised Credit/Contact/Lab Hours:** 3/5/4.

MUM 2664C Sound Recording II, CCD

Purpose: The recording session of this course is being moved to MUM 2601L Sound Recording Lab 1, a 1-credit course that will be a co-requisite. Course number changed to MUM 2666C; **Revised Prerequisite:** Minimum grades of C in MUM 2601L, MUM 2661C and MUM 2634L; **Revised Co-requisite:** MUM 2602L; **Revised Credit/Contact/Lab Hours:** 3/5/4.

SON 1000C Intro to Medical Sonography, CCD

Purpose: Dividing the course SON 1000C into separate didactic (SON 1000) and lab (SON 1000L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course.

SON 1001C Abdominal Sonography I, CCD

Purpose: Dividing the course SON 1001C into separate didactic (SON 1001) and lab (SON 1001L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course.

SON 1112C Abdominal Sonography II, CCD

Purpose: Dividing the course SON 1112C into separate didactic (SON 1112) and lab (SON 1112L) courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course.

Program Additions

Advanced Technical Certificate in Cake Artistry, CPA

Purpose: New ATC offering; **Effective Date:** Spring 2020 (202020).

A.S. in Cybersecurity & Network Engineering Technology, CPA

Purpose: Changing the program title from Network Engineering Technology to Cybersecurity & Network Engineering Technology. Deleting 3 cr/hrs electives. Adding an intermediate-level course in Network Automation with Scripting Languages.

Hospitality Management Experiential Learning Program, A.S., CPA

Purpose: The purpose of the Hospitality Management Field Learning Track is to provide a pathway for active employees in the Hospitality and Tourism industry in Florida to earn an accelerated A.S. degree through the award of articulated credits for work-based learning and industry certifications.

Hospitality - Restaurant and Foodservice Management Certificate, CPA

Purpose: Changed required "choose one" elective to beverage courses and moved FOS 2201 Sanitation as well as HFT 2867 Wine Essentials and to simply an elective since these are not required for the AS degree. Revise program title to make foodservice one word. **Effective Date:** Fall 2020 (202110).

A.S. in Restaurant and Foodservice Management, CPA

Purpose: Reducing the number of hours from 64 to 60 credit hours for the AS Degrees in Restaurant Management, per state mandate. We would like to make the addition of ACG 2021C Principles of Financial Accounting to elective options for AS articulated Hospitality degree and the AS articulated Restaurant degree (a recommendation by both UCF and UF as a pre-requisite). Update AS articulated and unarticulated Hospitality degree and the AS articulated and unarticulated Restaurant degree to reflect HFT 2263 OR FSS 2251 (and start phasing out the FSS 2251 course over the next few terms), so that degree audits, and financial aid will catch it if the student updates their catalogs and they don't need the course because they have already completed it. If students look in their lifemap for course needed, they will see both also, and not register for a class they have completed. Update state general education requirements for BS degrees in our AS to BS program. Revise program title to make foodservice one word.

Program Modifications

Audio Electronics Specialist, CPM

Purpose: Required course listed as choice. - Deletion of subject with hidden prerequisite. One of the required courses goes from 4 credits to 3 credits.

Audio Visual Production, CPM

Purpose: Since MUM 2623C changes from 4 to 3 credits, MUM 1620L moves from one of the electives to a requirement because this is a required course in the A.S. Other changes result from the same change and program revisions. The words "Audio Visual" in the name are being replaced by the word "Audiovisual", which is the correct word for this field; **Revised Program Title:** Audiovisual Production.

A.S. Business Administration, CPM

Purpose: Deleting CGS2510C Spreadsheet Applications for Business. Adding GEB2XXX Business Spreadsheet Applications. Deleting OST1335C Business Communications. Adding GEB1219 Writing and Speaking in Business. Adding PAX1500 Introduction to Conflict Management to the list of electives.

Business Management Certificate, CPM

Purpose: Addition of GEB 1220 as an elective course.

Business Operations Certificate, CPM

Purpose: Addition of GEB 1220 as an elective course.

B.S. in Cardiopulmonary Sciences, CPM

Purpose: Update course number for Research Methods from HSA 4702 to HSA 3702.

Customer Service Management Certificate, CPM

Purpose: Addition of GEB 1220 as a foundation course.

Customer Service Operations Certificate, CPM

Purpose: Addition of GEB 1220 as a foundation course.

ATC Computed Tomography, CPM

Purpose: Redundant program outcomes deleted.

Computing Technology & Software Development, CPM

Purpose: Add elective options **Effective Date:** Fall 2019 (202010).

Computing Technology & Software Development, CPM

Purpose: Program leadership has verified with Karen Borglum that although the state lists MAC 1105 as a common course prerequisite, the purpose of this prerequisite course is to serve as a prerequisite for STA 2023 which will be taken by students while in the BAS CTSD program. Therefore, we are adding the other possible prerequisite courses as common course prerequisites for entry into the BAS CTSD; **Effective Date:** Spring 2020 (202020).

B.A.S. in Computing Technology & Software Development (A.A. Program Requirements), CPA

Purpose: To create tab for AA students to plan degree.

B.A.S. in Computing Technology & Software Development (A.S. Program Requirements), CPM

Purpose: To modify electives.

A.S. in Diagnostic Medical Sonography, CPM

Purpose: Dividing the courses, SON1000C, SON 1001C, and SON 1112C into separate didactic and lab courses. Outcomes/assessments are different for each course. This will provide more accurate assessments of each course.

Digital Music Production Certificate, CPM

Purpose: MUM 2623C changes from 4 to 3 credits.

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

Purpose: Our program has adopted ABET student outcomes as our program outcomes, since we are applying for accreditation with ABET. ABET has recently informed us that we made some mistakes in the language of two of the student outcomes and recommended to get them updated in the catalog and on the program website before their visit in November 2019. The purpose of this modification is to match the language of each outcome with the ABET proposed outcomes.

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

Purpose: Our program has adopted ABET student outcomes as our program outcomes, since we are applying for accreditation with ABET. ABET has recently informed us that we made some mistakes in the language of two of the student outcomes and recommended to get them updated in the catalog and on the program website before their visit in November 2019. The purpose of this modification is to match the language of each outcome with the ABET proposed outcomes.

A.S. in Energy Management and Controls Technology, CPM

Purpose: The ETD 1031C course would better prepare our EMCT students for academic and industry success than the SLS 1122: "New Student Experience" course. PHY 1020 or any Gen Ed math would prepare our EMCT students for academic and industry success and would also allow them to complete our degree in a timely manner.

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

A.S. in Engineering Technology, CPM

Purpose: 1) Remove ETD 1320C (course not found). 2) Add ETD 1103C. 3) Change ETI 1644 course number to ETI 2644. This change was originally submitted in May 2018.

Entertainment - Stage Technology Certificate, CPM

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

A.S. in Fire Science Technology, CPM

Purpose: To help students be more successful in this program and a possible paramedic program later. The Advisory Board has approved these changes.

Fire Science Technology Academy Track, A.S., CPM

Purpose: To help students be more successful in this program and a paramedic program next. The Advisory Board has approved these changes.

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

Purpose: We would like to make the addition of ACG 2021C Principles of Financial Accounting to elective options for AS articulated Hospitality degree and the AS articulated Restaurant degree (a recommendation by both UCF and UF as a pre-requisite). Update AS articulated and unarticulated Hospitality degree and the AS articulated and unarticulated Restaurant degree to reflect HFT 2263 OR FSS 2251 (and start phasing out the FSS 2251 course over the next few terms), so that degree audits, and financial aid will catch it if the student updates their catalogs and they don't need the course because they have already completed it. If students look in their lifemap for course needed, they will see both also, and not register for a class they have completed. Update state general education requirements for BS degrees in our AS to BS programs.

A.S. in Live Entertainment Design and Production, CPM

Purpose: This change is intended to make a specialized track in this program easier to articulate with the Entertainment Management Bachelor's degree at UCF's Rosen College of Hospitality Management. It will also provide another elective option for the Live Production specialization students.

Medical Office Management Certificate, CPM

Purpose: Delete Medical Office Management Electives course list. Change the Electives to read: All OST-prefix courses not being used as a requirement in this degree except OST 1141.

Degree Pathway for Natural Resource Conservation, CPM

Purpose: This is our fourth and final transfer plan addition as part of our USDA grant project. This is designed for students wishing to transfer to UF.

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

A.S. in New Media Communication, CPM.....Courtney Lewis

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

Operations Support and Services, CPM

Purpose: Addition of GEB 1220 as a foundation course.

A.S. in Paralegal Studies, CPM

Purpose: Adding a new course to the Litigation Specialization and the Paralegal Electives.

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

Purpose: Needed to update Program Learning Outcomes due to continuing work during assessment. As the curriculum has been updated during the last several years, these Program Learning Outcomes needed an update as well.

Plant Science Professional Certificate, CPM

Purpose: An update of the Program Learning Outcomes based on a curriculum update and ongoing PLO assessment work.

Plant Science Specialist Certificate, CPM

Purpose: An update on Program Learning Outcomes based on curriculum updates.

Plant Science Technician Certificate, CPM

Purpose: An update of the Program Learning Outcomes based on a curriculum update and ongoing PLO assessment work.

B. S. in Radiologic and Imaging Sciences (BSRAD), CCM

Purpose: Update course number for Research Methods from HSA 4702 to HSA 3702.

A.S. in Residential Property Management, CPM

Purpose: Changes are to make the degree broader in appeal to property management and more specific to the real estate industry; **Revised Program Title:** A.S. in Property Management.

A.S. Respiratory Care, CPM

Purpose: College Algebra is not the appropriate Math for the program and we want to remove barriers to the program.

A.S. in Sound and Music Technology, CPM

Purpose: 3 courses go from 4 CH to 3 CH, and 3 new 1 CH labs are introduced to the program. This allows us to streamline the out-of-class lab activities.

A.S. in Supervision and Management for Industry, CPM

Purpose: Changes were made to modify an existing program into a specific program for a new college partner (Aviator College). Note: The course listed in this change as AVM 1010 Aviation Maintenance, has concurrently

SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2020-21

been changed to AVM 1010 Aviation Maintenance and Business Operations and changed from 3 credits to 6 credits. The Advanced Course hours has been adjusted to 15, so it will be correct when both the course and program have been approved.

Program Deletions

Hospitality - Restaurant and Food Service Management Certificate, CPD

Purpose: Changed required "choose one" elective to beverage courses and moved FOS 2201 Sanitation as well as HFT 2867 Wine Essentials and to simply an elective since these are not required for the AS degree. Revise program title to make foodservice one word.

A.S. in Network Engineering Technology, CPD

Purpose: Changing the program title from Network Engineering Technology to Cybersecurity & Network Engineering Technology. Deleting 3 cr/hrs electives. Adding an intermediate-level course in Network Automation with Scripting Languages; **Revised Program Title:** A.S. in Cybersecurity & Network Engineering Technology.

A.S. in Restaurant and Food Service Management, CPD

Purpose: Reducing the number of hours from 64 to 60 credit hours for the AS Degrees in Restaurant Management, per state mandate. We would like to make the addition of ACG 2021C Principles of Financial Accounting to elective options for AS articulated Hospitality degree and the AS articulated Restaurant degree (a recommendation by both UCF and UF as a pre-requisite). Update AS articulated and unarticulated Hospitality degree and the AS articulated and unarticulated Restaurant degree to reflect HFT 2263 OR FSS 2251 (and start phasing out the FSS 2251 course over the next few terms), so that degree audits, and financial aid will catch it if the student updates their catalogs and they don't need the course because they have already completed it. If students look in their lifemap for course needed, they will see both also, and not register for a class they have completed. Update state general education requirements for BS degrees in our AS to BS program. Revise program title to make foodservice one word.