



May 23, 2018

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

**FROM:** SANFORD C. SHUGART  
President

**RE:** APPROVAL OF 2018-2019 COLLEGE CATALOG

The President recommends that the District Board of Trustees approve the catalog changes (between the 2017-2018 and 2018-2019 catalogs) as attached.

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

**RECOMMENDED ACTION:**

The President recommends that the District Board of Trustees of Valencia College approve the 2018-2019 College Catalog as presented.

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

President

**Summary of  
Catalog Changes for 2018-2019  
5/1/18**

CATALOG SECTION	CHANGES IN THAT SECTION
ABOUT VALENCIA COLLEGE	Added Poinciana Campus in 2017.
DEGREE AND CERTIFICATE PROGRAMS	<p>Added language around the upcoming civic literacy requirement. This is the 5<sup>th</sup> bullet under Graduation Requirements: Satisfy the civic literacy requirement. As per Florida Rule 6A-10.04213, <u>Prior to the award of an associate in arts or baccalaureate degree, first-time-in-college students entering a Florida College System institution in the 2018-19 school year, and thereafter must demonstrate competency in civic literacy through one of the following options prior to graduation:</u></p> <ul style="list-style-type: none"> <li>• successfully passing <u>POS 2041</u> U.S. GOVERNMENT. or <u>AMH 2020</u> U.S. HISTORY 1877 TO PRESENT or</li> <li>• successfully passing a prescribed assessment: AP Government &amp; Politics Test (passing score =3, or AP U.S. History Test (passing score = 4), or CLEP American Government (passing score = 50)</li> </ul> <p><u>At the time this catalog was published, the Florida Department of Education (DOE) has not finalized the complete course or assessment options. This catalog will be updated with course and assessment options once they are published by DOE.</u></p> <p>Domestic Students with foreign academic credentials: Clarified that domestic students who hold an AA or baccalaureate degree from a foreign institution are eligible to pursue an AA here.</p> <p>Technical Certificates and Financial Aid Eligibility: Resolved inconsistency between the “Certificate Programs” page where financial aid eligible programs were marked with an asterisk, and the “Financial Aid/General Eligibility” page where eligible programs were listed. We eliminated the asterisks on the first page, and instead included a sentence with a hyperlink to point to the second page with the actual list. This eliminated the likelihood of inconsistent information. This change was actually made to the current 2017-2018 catalog.</p> <p>AS Engineering Technology Program: Changed the gen ed requirement from SPC-1608 to SLS-1122.</p>

	<p>AS Criminal Justice: Added Overview and Admissions information for Criminal Justice Experiential Learning Program – Corrections Officer and Law Enforcement Officer tracks.</p> <p>In Bachelor Degree section (and throughout the catalog), removed all references to application fee.</p> <p>In Bachelor Degree section, added information that a Late Drop/Late Withdrawal procedure exists, defined the three circumstances that may qualify, and directed students to the procedure in Atlas for more information.</p> <p>BAS Business and Organizational Leadership: Added to the Admissions requirements that a student could have any AA, AS, or 60 credit hours at college level, from a regionally accredited institution.</p>
TRANSFER PLANS	See second section of this document.
COURSE DESCRIPTIONS	See second section of this document.
IMPORTANT DATES & DEADLINES	Posted to web.
CAMPUSES	Edited Lake Nona entry to add AS in Biotechnology Laboratory Sciences, highlight location and add collegiate academy.
BOARD OF TRUSTEES	Replaced past Chair with new Chair Bruce Carlson. Added two new Board members Rosene Johnson and Tracey Stockwell. Updated photo for Trustee Daisy Lopez-Cid. Removed past Trustee John Crossman.
ADMISSIONS	<p>Updated Health Sciences Programs Special Admissions Requirements section to include the addition of three new ATCs in Echocardiography, Leadership in Healthcare, and Mammography.</p> <p>General Admissions Requirements/Under Non-Degree-Seeking Students/Dual Enrollment Admissions: Referred public/private school students seeking Dual Enrollment to their guidance counselor or College Transitions Counselor/Coach assigned to their school. Also directed home education students to contact the Dual Enrollment office for appropriate submission protocol. Removed dual enrollment deadlines and replaced with a link to the Dual Enrollment general information page; added Grade 10 FSA ELA or Algebra 1 EOC scores will also be accepted for Orange County public and charter students only.</p>

	<p>General Admissions Requirements/Under Non-Degree-Seeking Students/Dual Enrollment Transitioning to Valencia: Added language to let DE students know that, in the February before they graduate high school, we change their status from DE to Personal Interest, so that they may register for classes with us even before their HS graduation has posted. We also added language to inform them that, should they continue on with Valencia after graduating, the DE fee waiver is not applied and they are responsible for payment. The new language does inform them that their new status of Personal Interest is not financial aid eligible, so they must provide a Change of Program of Study form once they complete HS, and do a FAFSA, if they want aid.</p> <p>Clarified that domestic students who hold an AA or baccalaureate degree from a foreign institution are eligible to pursue an AA here.</p> <p>Change in Special Admissions Requirements to BS Rad, and ATCs in Echocardiography, Leadership in Healthcare, and MRI: Applicants may now be admitted with a degree in Sonography – not just those with degrees in Diagnostic Medical Sonography. This change was also made in the degree descriptions.</p>
<p>RECORDS</p>	<p>Added Poinciana campus.</p> <p>Home Campus: clarified that this is where a student will take most of his or her classes, and where the primary assigned advisor may be located.</p> <p>Inactive students: clarified that they will have to re-establish Florida residency for tuition purposes.</p> <p>FERPA: Changed FERPA language to expand the definition of a “school official” to include educational partners at UCF.</p>
<p>REGISTRATION</p>	<p>No changes.</p>
<p>FINANCIAL INFORMATION &amp; FEES</p>	<p>The Full Cost of Instruction has changed. A full cost of instruction fee is an additional amount that excludes state funding based on the systemwide average of undergraduate programs for Florida College System institutions. This fee is effective for certain repeat course enrollments at Valencia College. The full cost of instruction fee is \$203.00 per credit hour for associate’s level courses which is added to the \$103.06 Florida Resident per Credit Hour fee for a total cost of \$306.06. The full cost of instruction fee is \$203.00 per credit hour for Bachelor’s level courses which is added to the \$112.19 Florida Resident per Credit Hour fee for a total cost of \$315.19.</p>

	<p>Described the new procedure that allows students with major extenuating circumstances to petition for a Late Withdrawal Without Refund or Late Drop With Refund. Referred to the procedure in Atlas for more detail.</p> <p>Added Estimated Expenses for A.A. Pre-Major Musical Theater.</p>
GAINFUL EMPLOYMENT	No changes.
FINANCIAL AID	<p>Technical Certificates and Financial Aid Eligibility: We discovered an inconsistency between two pages regarding which Technical Certificates and special programs (like EPI) were eligible for financial aid.</p> <p><a href="http://catalog.valenciacollege.edu/degrees/certificateprograms/">catalog.valenciacollege.edu/degrees/certificateprograms/</a> indicated eligible programs with an asterisk (*), while this page <a href="http://catalog.valenciacollege.edu/financialaid/generaleligibility/">http://catalog.valenciacollege.edu/financialaid/generaleligibility/</a> provided an actual list of eligible programs. The two pages did not match. We eliminated the asterisks on the first page, and instead included a sentence with a hyperlink to point to the second page with the actual list. This eliminated the likelihood of inconsistent information. This change was actually made to the current 2017-2018 catalog.</p> <p>Removed three certificates from the financial aid approved list because they are not yet approved:</p> <ul style="list-style-type: none"> <li>• <a href="#">Customer Service Operations</a></li> <li>• <a href="#">Human Resources Operations</a></li> <li>• <a href="#">Medical Office Specialist</a></li> </ul> <p>SAP appeal Deadline dates were updated.</p> <p>The “Alumni Two Plus Two” scholarship that is co-funded by Valencia and UCF has been renamed the Mayor Richard T. Crotty 2+2 Scholarship.</p> <p>FSEOG language was updated to show that the maximum annual award at Valencia is \$1000 (increased from \$500) between Fall/Spring terms.</p> <p>Florida Student Assistance Grant (FSAG) language was changed to remove the sentence that said if you were registered for 1 or more flex start classes, you would not receive a financial aid payment until after the last part of term had begun.</p> <p>Revised Seneff Honors College Scholarship entry to add language that the requirements must be met at the time of award, not the</p>

	<p>time of the offer, note seeking an Associate’s degree and include registration deadline information.</p> <p>The Workstudy section was expanded to explain how to apply for on-campus jobs.</p> <p>In the Veterans Affairs section, we made reference to the new procedure that allows military members who are recalled to active duty to petition for Late Drop with no penalty. Added a note that it may impact VA benefits and advised consulting with Valencia VA advisor.</p> <p>In the Veterans Affairs section, expanded the description of eligible programs to mention that many of the Accelerated Skills programs are eligible for VA education benefits. Provided contact information to Continuing Ed for inquiries.</p>
STUDENT AND CAMPUS SERVICES	<p>Edited description of Answer Center functions on the landing page: from “review admissions application” to “answer questions about the admissions process.”</p> <p>On landing page, added information about Smarthinking under Tutoring Services.</p> <p>Edited Advising Center page to remove reference to AAS and add “Check Atlas for your assigned advisor.”</p> <p>Edited Career Center page to note resume “critique” instead of “creation” and changed “develop successful interview techniques” to “conduct practice interviews.”</p> <p>Revised New Student Orientation page to note limited evenings and remove “according to the schedule for registration” as students register during NSO.</p> <p>Edited Floridashines.org page to remove reference to Social Security Number.</p> <p>Revised Learning Support Centers &amp; Tutoring Services page to change locations link to browse by campus and added Smarthinking.</p> <p>Edited Libraries page to add laptop checkout.</p> <p>Revised Public Transportation page to note free Lynx service and to the Security Office to obtain the sticker.</p> <p>Updated Notice of Non-Discrimination with new procedures and contact information.</p>

<p>ENTRY TESTING &amp; PLACEMENT AND MANDATORY COURSES</p>	<p>Added Poinciana to Assessment locations.</p> <p>Under Entry Testing Placement, edited Dual Enrollment to note Grade 10 FSA ELA or Algebra 1 EOC scores will also be accepted for Orange County public and charter students only.</p> <p>Clarified that some students may also be required to take PERT and/or Accuplacer ESL (LOEP) for degree seeking students who are English Language learners.</p> <p>We changed language that said “no appointment is necessary” for PERT, ACT, SAT CPT.</p> <p>In Assessment Placement Tables:</p> <ul style="list-style-type: none"> <li>• Deleted SATs math and critical reading taken on or before March 1 2016.</li> <li>• Added to Compass and LOEP ESL placement at level 3 to include EAP 0381C.</li> </ul> <p>Linked EAP 0360C and EAP 0381C – intermediate grammar and intermediate combined skills for language learners.</p> <p>Changed language to reflect that the TEAS and CJI entrance assessment are offered at only certain campuses.</p>
<p>DISTANCE LEARNING</p>	<p>Updated this section, and throughout the rest of the catalog to include the Glossary, to reflect “mixed-mode” instead of “hybrid,” and new definitions.</p>
<p>ALTERNATIVE WAYS TO EARN CREDIT</p>	<p>No changes.</p>
<p>ACADEMIC POLICIES &amp; PROCEDURES</p>	<p>Course Attempts &amp; Course Withdrawal At the Associates Level section: Added information that a Late Drop/Late Withdrawal procedure exists, defined the three circumstances that may qualify, and directed students to the procedure in Atlas for more information.</p> <p>Grade Grievance: Updated the section and provided hyperlink to the Academic Grievance page.</p> <p>Returning from Academic Suspension: Updated the requirements say that students must review the Suspension tutorial, complete a series of questions through an online course, and meet with an Academic Success Coordinator. Also added a warning that</p>

	<p>students who have multiple suspensions may be prohibited for more than one term from enrollment.</p> <p>In the section regarding “Conditions of Grade Forgiveness for Valencia Course Work at the Associate Degree level,” we removed the bullet that starts with the sentence, “you may use an Honors section and a non-Honors section of the same course interchangeably for grade forgiveness.” We were not using them interchangeably. An honors section is not equivalent to a non-honors section of the same course either for grade forgiveness or for three-peat calculations.</p>
EDUCATIONAL ENHANCEMENT OPPORTUNITIES	<p>Under Educational Enhancement Opportunities page, subsection “Additional Educational Opportunities,” updated Dual Enrollment 1) to note Grade 10 FSA ELA or Algebra 1 EOC scores will also be accepted for Orange County public and charter students only, 2) to add that intermediate/advanced level electives are ineligible and 3) to state that a FAFSA must be completed if applicable if continuing at Valencia.</p> <p>UCF Partnerships: Changed the name of Regional Campuses to UCF Connect. Modified hyperlinks to go to the new UCF Connect pages.</p> <p>International Student Services: Slightly modified the requirements for proving English proficiency. Also clarified that domestic students who hold an AA or baccalaureate degree from a foreign institution are eligible to pursue an AA here.</p> <p>TECO: Name change to Osceola Technical College throughout catalog.</p> <p>Orange County Technical Colleges: Name change to Orange Technical College throughout catalog.</p>
TEACHER PREPARATION & RECERTIFICATION	<p>Updated Teacher Certification entry to note Pre-Majors in Early Childhood Education, Elementary Education, and Secondary Education.</p>
SENEFF HONORS COLLEGE	<p>Revised Leadership track to remove internship as class was deleted after not being taught for 5 years.</p>
RESOLUTION OF STUDENT ISSUES	<p>Revised Resolution of Student Issues entry with updated chart to revise New Student Orientation, Student Activities and Student with Disabilities area to note new positions.</p>
CONTINUING EDUCATION	<p>Added language about some programs being eligible for VA benefits.</p>

DRUG FREE SCHOOLS & COMMUNITIES ACT	No changes.
GLOSSARY	Intensive Tutorials – removed Hybrid/Mixed Mode – added Blackboard – removed

**Course and Program Changes from CCC  
(Additions, Modifications, and Deletions; Field Review Changes and  
Information Items)  
From May 2017 through April 2018 CCC meetings**

**Credit Course Additions**

**TPP 2255 Opera and Music Theatre Workshop, CCA**

**Purpose:** New course offering; **Credit/Contact/Lab:** 1/4/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course addresses all aspects of Opera and Musical Theatre production with a focus on music preparation, character analysis, and performance skills. The class will culminate in a program of semi-staged and costumed operatic and musical theatre;

**REE 1500 Introduction to Residential Property Management, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees; **Catalog Course Description:** Introduces the concepts of income-producing real estate, property management practices, and careers in real estate management. Examines residential property types, including single-family housing, multi-family housing, and mixed-use developments. Presents residential property management practices, including marketing and leasing space, maintaining properties, managing risks, and measuring financial performance; **Prerequisites:** None; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

**REE 2502 Leasing and Marketing Residential Properties, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees. This course will prepare students to take the National Apartment Leasing Professional (NALP) certification exam; **Catalog Course Description:** Presents best practices for leasing residential properties, reducing economic and physical vacancy loss, promoting resident retention, and demonstrating relationship-selling techniques. Reviews laws governing residential leasing and marketing, including Fair Housing and Florida Landlord and Tenant statute. Introduces students to concepts of lead generation and conversion, market surveys, concessions, qualifying applicants, and common residential lease clauses. Successful completion of this course will prepare a student to take the National Apartment Leasing Professional certification exam; **Prerequisites:** None; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

**REE 2430 Residential Property Law, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees; **Catalog Course Description:** Analyzes local, state, and federal legislation governing housing and the residential property management industry. Topics include the Fair Housing Act, Florida Landlord and Tenant statute, Americans with Disabilities Act, Fair Credit Report Act, agency and licensing requirements, and contract law. Reviews best practices for legal compliance and reducing personal and company liability; **Prerequisites:** ENC 1101 or ENC 1101H or ENC 1210 or GEB 1011 or IDH 1110 or OST 1335; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

#### **REE 2503 Residential Property Management Finance, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees; **Catalog Course Description:** Examines common financial competencies for managing income-producing, residential properties, including accounting, cash flow analysis, budgeting, and measuring performance. Topics include calculating effective gross income, net operating income, and before-tax cash flow; preparing an annual operating budget and income statements; and calculating cash-on-cash return and cap rates; **Prerequisites:** REE 1011 Introduction to Residential Property Management and REE 2113 Leasing and Marketing Residential Properties; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

#### **REE 2951 Residential Property Management Capstone Project, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees. This course will prepare students to take the Certified Apartment Manager (CAM) exam; **Catalog Course Description:** Expands upon foundation courses, implementing a project/case study model for students to analyze and prepare a due diligence report on a large residential asset. Students will research and report on the market and neighborhood characteristics, the property's features and competitors, and the financial condition of the asset; **Prerequisites:** REE 2521 Residential Property Management Finance; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

#### **REE 2505 Residential Property Maintenance for Managers, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees. This course will prepare students to take the Certified Apartment Manager (CAM) exam; **Catalog Course Description:** Identifies practices for maintaining various residential asset types and connects them to the daily responsibilities of real estate managers. Topics include routine, corrective, and

preventive maintenance; contracting labor and services; sustainability, retrofitting, and value enhancement; and building systems. Connects maintenance to leasing, financial performance, and risk management, covering topics such as turnover and retention, curb appeal, vacancy loss, and resident satisfaction; **Prerequisites:** REE 1011 Introduction to Residential Property Management and REE 2113 Leasing and Marketing Residential Properties; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

#### **REE 2506 Residential Property Management and Leadership CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees. This course will prepare students to take the Certified Apartment Manager (CAM) exam; **Catalog Course**

**Description:** Explores leadership models and personality types in relation to residential management. Discusses human resource responsibilities including job descriptions, hiring and training personnel, and motivating and evaluating employees. Covers relevant employment laws governing the hiring process, fair labor and pay requirements, and occupational safety;

**Prerequisites:** REE 1011 Introduction to Residential Property Management and REE 2113 Leasing and Marketing Residential Properties; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

#### **REE 2507 Residential Property Security and Risk Management,**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees. This course will prepare students to take the Certified Apartment Manager (CAM) exam; **Catalog Course**

**Description:** Examines the concepts of liability, negligence, and reasonable care in residential property management. Topics include environmental and occupational risks, EPA and OSHA compliance, emergency preparedness, and best practices for security concerns. Identifies methods for avoiding, mitigating, accepting, or transferring risks, including insurance policies and coverages; **Prerequisites:** REE 1011 Introduction to Residential Property Management; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

#### **REE 2508 Residential Property Management of Specialized Housing, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees. This course will prepare students to take the Certified Apartment Manager (CAM) exam; **Catalog Course**

**Description:** Explores the unique characteristics and management practices involved in sub-segments of residential property, including low-income, subsidized housing, student housing, military housing, housing for the aging, scattered-site housing, and manufactured home communities. Topics include public housing agencies, Low-Income Housing Tax Credit and Section 8 programs, student-focused design, military housing policies, housing designs for aging

populations, and land site rentals; **Prerequisites:** REE 1011 Introduction to Residential Property Management; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

#### **REE 2943 Internship in Residential Property Management, CCA**

**Purpose:** The A.S. degree in Residential Property Management was developed in part based on a labor and job market analysis that revealed a workforce need for residential property managers in the region, as well as from statements made by employers and industry association representatives lamenting on the absence of an A.S. degree in the field anywhere in the state and their subsequent challenges finding talented and experienced employees. This course will prepare students to take the Certified Apartment Manager (CAM) exam; **Catalog Course Description:** This course is a planned work-based experience that provides students with supervised career exploration activities and/ or practical experiences. Each earned credit of internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied. Successful completion of this course will prepare a student to take the Certified Apartment Manager (CAM) certification exam.; **Prerequisites:** Satisfactory completion of all mandated courses in Reading, Mathematics, English and English for Academic Purposes; a minimum 2.0 institutional or overall GPA; and 12 credits, including REE 1011 and REE 2113. The Program Director/Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses; **Co-requisites:** None; **Credit/Class/Lab Hours:** 1-4/Variable/0;

#### **MUM 1003L Digital Audio Workstation for Non-Majors, CCA**

**Purpose:** Repeated requests over the years by members of the community who need it for personal reasons or to acquire necessary skills in work they already do, as well as to our general student population interested in learning Audio and Music Production software; **Credit/Contact/Lab:** 1/3/3; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** An introduction for non-majors to the leading Audio and Music Production/Editing software, including MIDI sequencing and Music Notation, as well as the leading Audio software packages. This course cannot be applied towards the requirements of the A.S. in Sound & Music Technology nor any of the Technical Certificates associated with that A.S. program;

#### **ART 2930 Selected Topics in Fine Arts, CCA**

**Purpose:** New course offering; **Credit/Contact/Lab:** 1-3/1-3/0; **Prerequisites:** ART 1300C or ART 1201C; **Co-requisites:** None; **Catalog Course Description:** Seminars offered for students interested in special topics in Fine Arts. Topics selected from special areas of art, drawing, painting, design or combination of these areas. Multiple credit course. May be repeated for up to six hours of credit and grade forgiveness cannot be applied;

#### **PHI 2930 Selected Topics in Philosophy, CCA**

**Purpose:** New course offering; **Credit/Contact/Lab:** 1-3/1-3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Seminars offered for students interested in special topics in Philosophy. Topics selected from special areas of art, architecture, literature, religion, music and philosophy or combination of these areas. Multiple credit course. May be repeated for up to six hours of credit and grade forgiveness cannot be applied;

#### **REL 2930 Selected Topics in Religion, CCA**

**Purpose:** New course offering; **Credit/Contact/Lab:** 1-3/1-3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Seminars offered for students interested in special topics in Religion. Topics selected from special areas of art, literature, religion, philosophy or combination of these areas. Multiple credit course. May be repeated for up to six hours of credit and grade forgiveness cannot be applied;

**PEM 1176C Kickboxing, CCA**

**Purpose:** Change lab hours, and add C designation; **Revised Course Number:** PEM 1176C; **Revised Course Hours:** 2/2/2 (previously 2/2/0);

**ETM 1600C Energy Management and Controls Technology Fundamentals, CCA**

**Purpose:** This course provides a general overview of the Energy Management and Controls Technology industry; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** ETM 2943; **Co-requisites:** ETM 2943; **Catalog Course Description:** This course provides a general overview of the Energy Management and Controls Technology industry. Topics include history, building automation systems manufacturers and contractors, industry scope and trends, career pathways and the skills sets required, types of building automation systems, and general building automation systems architecture;

**ETM 1601C Energy Management and Controls Technology Devices, CCA**

**Purpose:** This course will cover the major types of components found in BAS systems; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** ETM 1600C; **Co-requisites:** None; **Catalog Course Description:** This course will cover the major types of components found in BAS systems. Topics include standard I/O wiring, temperature devices, humidity devices, pressure devices, flow devices, life & equipment safety devices, actuators & dampers, control valves, power supply devices, transducers, relays & contactors, motor controls, enclosures, and power monitoring devices;

**ETM 1602C Energy Management and Controls Technology Advanced Electrical Concepts, CCA**

**Purpose:** This course builds upon electrical concepts covered in ETM 2943; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** ETM 1601C, CET 2486C; **Co-requisites:** CET 2486C; **Catalog Course Description:** This course builds upon electrical concepts covered in ETM 2943. Topics covered include power supplies, reactive electrical components, power distribution, circuit protection, electric motor theory, electric generator theory, types of electric motors, motor starters, switching devices, electrical symbols, pictorial diagrams, schematics, sequences of operation, basic electrical troubleshooting, voltage dividers, DC voltage & current sources, simplification theorems, AC current & voltage, oscilloscope fundamentals, reactive components & reactive circuits, basic filters, digital logic circuits, ladder logic, and shop drawings;

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

**Purpose:** This course deals with how building automation systems are designed and properly installed and commissioned; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** ETM 1602C, CET 2486C, BCN 2563C; **Co-requisites:** ETM 1602C, CET 2486C, BCN 2563C; **Catalog Course Description:** This course deals with how building automation systems are designed and properly installed and commissioned. Topics include building automation systems contracting, Lien Law, National Electric Code, low voltage contractor's license requirements, state & local codes, cabling practices, selecting device locations, network considerations, and conduit requirements;

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

**Purpose:** This course continues the development of how building automation systems are designed and properly installed and commissioned which was begun in ETM 1603C: Energy Management and Controls Technology Design and Installation I; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** ETM 1603C; **Co-requisites:** None; **Catalog Course Description:** This course continues the development of how building automation systems are designed and properly installed and commissioned which was begun in ETM 1603C. Topics include developing a commissioning plan, building automation systems commissioning, and control theory;

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

**Purpose:** This course investigates several building automation systems integration platforms present in the industry; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** ETM 1602C, COP 1000C; **Co-requisites:** None; **Catalog Course Description:** This course investigates several building automation systems integration platforms present in the industry. Topics include: TCP/IP fundamentals, Modbus, Lonworks, BACnet, and Niagara AX

**ETM 2941 Energy Management and Controls Technology Internship, CCA**

**Purpose:** This course allows the student to gain real-world experience by working with a local building automation systems company in the field for eight hours per week or alternatively, an equivalent number of hours on real-world automation projects at the college; **Credit/Contact/Lab Hours:** 1-3/variable/0; **Prerequisites:** COP 1000C, ETM 1602C; **Co-requisites:** None; **Catalog Course Description:** This course allows the student to gain real-world experience by working with a local building automation systems company in the field for eight hours per week or alternatively, an equivalent number of hours on real-world automation projects at the college. Each earned credit of internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for credit up to 3 hours, but grade forgiveness cannot be applied

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

**Purpose:** This is a planned hands-on, lab based, technical skill building experience that provides students with an opportunity to develop their commercial HVACR skills set required to effectively understand and control building automation systems; **Credit/Contact/Lab Hours:** 12/12/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This is a planned hands-on, lab based, technical skill building experience that provides students with an opportunity to develop their commercial HVACR skills set required to effectively understand and control building automation systems. *This Practicum will involve earning the A/C, Refrigeration and Heating Technician certification conducted by Orange Technical College or successful completion of program through an agency partner;*

**CJK 0023 Introduction to Law Enforcement, CCA**

**Purpose:** State mandated change; **Credit/Contact/Lab Hours:** .133/4/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students will understand the importance of the Criminal Justice Standards and Training Commission and the requirements for certification as a law enforcement auxiliary officer in the state of Florida;

**CJK 0024 Legal Concepts, CCA**

**Purpose:** State mandated change; **Credit/Contact/Lab Hours:** .666/20/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students will have a foundational understanding of the United States legal system and the various sources of laws;

**CJK 0025 Patrol and Professional Communication, CCA**

**Purpose:** State mandated change; **Credit/Contact/Lab Hours:** .400/12/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students should know the elements of effective communication;

**CJK 0026 Interactions in a Diverse Community, CCA**

**Purpose:** State mandated change; **Credit/Contact/Lab Hours:** .400/12/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students should recognize a disability as defined by the Americans with Disabilities Act (ADA) and use the guidelines to maintain the rights of a disabled person. They should also know the criminal elements of abuse, neglect, or exploitation of an elderly or disabled adult;

**CJK 0027 Calls for Service and Arrest Procedures, CCA**

**Purpose:** State mandated change; **Credit/Contact/Lab Hours:** .800/24/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students should understand how to respond to calls for service, assess a situation upon arrival, and contact complainants and witnesses at the scene;

**CJK 0028 Traffic Stops and Crash Investigations, CCA**

**Purpose:** State mandated change; **Credit/Contact/Lab Hours:** .933/28/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students should be able to identify common traffic violations and recognize a driver's license, and a license tag or plate;

**CJK 0029 Crime Scene and Courtroom Procedures, CCA**

**Purpose:** State mandated change; **Credit/Contact/Lab Hours:** .267/8/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students will be able to secure and protect a crime scene;

**HUM 1380 Technology and Culture, CCA**

**Purpose:** New course offering; **Catalog Course Description:** Study of the history of technology and how technological innovation occurs within societies. Content is adaptable to the instructor's preferences and the needs of the campus or program offering it (for example, an East Campus course could focus on Ancient and Medieval engineering, while a West Campus offering might focus on more modern topics or specific developments in architecture to suit their AS and AAS programs). The common theme is to examine how and why a society develops specific technological solutions to perceived needs, the process of creative problem solving that leads to innovation, and the social and economic forces that either allow or prevent new technology becoming established; **Prerequisites:** None; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/3/0;

**SON3172C Introduction to Vascular Sonography, CCA**

**Purpose:** New ATC. Can be applied to Radiologic & Imaging Sciences B.S. requirements; **Catalog Course Description:** This course will present an introduction to vascular sonography. It will provide an in-depth exploration of the type of exams performed for the diagnosis of vascular disease. The course is designed to introduce the students to the anatomy, physiology, and scanning protocols for cerebral, peripheral (venous and arterial), and visceral vascular exams. Students will apply sonographic techniques to evaluate the

vascular system. Students will be introduced to patient care issues specific to vascular sonography; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/6/4;

#### SON 3173 Vascular Sonography II, CCA

**Purpose:** New ATC. Can be applied to Radiologic & Imaging Sciences B.S. requirements; **Catalog Course Description:** This course will provide in-depth exploration of the cerebrovascular and peripheral venous vascular sonography. It will explore pathophysiology, integration of data, report generation, and vascular sonography's role in the treatment of vascular disease. Minimum grade of C required if used to satisfy Radiologic & Imaging Sciences B.S. degree requirement; **Prerequisites:** Minimum grade of C in SON 3172C; **Co-requisites:** SON 3806L; **Credit/Contact/Lab Hours:** 3/3/0;

#### SON 4174 Vascular Sonography III, CCA

**Purpose:** New ATC. Can be applied to Radiologic & Imaging Sciences B.S. requirements; **Catalog Course Description:** This course will provide in-depth exploration of peripheral arterial and visceral vascular Sonography. It will explore pathophysiology, integration of data, report generation, and vascular sonographer's role in the treatment of vascular disease. Minimum grade of C required if used to satisfy Radiologic & Imaging Sciences B.S. degree requirement; **Prerequisites:** Minimum grade of C in SON 3173 and SON 3806L; **Co-requisites:** SON 4816L; **Credit/Contact/Lab Hours:** 2/2/0;

#### SON 3806 Vascular Sonography Practicum I, CCA

**Purpose:** New ATC. Can be applied to Radiologic & Imaging Sciences B.S. requirements; **Catalog Course Description:** This course will provide an introduction to vascular sonographic techniques in the clinical setting including observation, pre- and post- procedural activities, and supervised performance of basic vascular sonographic examination. Minimum grade of C required if used to satisfy Radiologic & Imaging Science B.S. degree requirement. Contact hours 16 hours per week; 240 hours clinical practice per semester; **Prerequisites:** Minimum grade of C in SON 3172C Introduction to Vascular Sonography; **Co-requisites:** SON 3173; **Credit/Contact/Lab Hours:** 2/2/16;

#### BCN 1303C Building Information Modeling (Revit W/ Dynamo), CCA

**Purpose:** Changing needs of employers in the AEC and manufacturing industries; firms are requesting students trained in the use of REVIT with Dynamo software; **Catalog Course Description:** This course will prepare students with the Building Information Modeling (BIM) skills needed to develop digital designs using REVIT software with Dynamo. Students will learn to create and modify various building elements, envelope systems, and detail features to create a complex model and produce the drawings needed for construction. Emphasis will focus on navigation and analysis of 3D models with Dynamo visual programming tools to expedite the design process. Students will also utilize software tools to discover discrepancies and make changes to ensure a smoother construction process for those performing the work; **Prerequisites:** ETD 1103C or department approval; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/4/2;

#### ETD 1103C Engineering Graphics with CAD, CCA

**Purpose:** New course to replace ETD1100C and ETD1320C; **Catalog Course Description:** Survey of principles and practices involved in making and reading engineering drawings. Engineering

graphics will place emphasis on visualization, orthographic projection and line techniques. Introduction to computer-aided drafting/design will emphasize skills and competencies necessary to function in systems drafting environment. Includes keyboard commands, menu printer/plotter, input devices, computer terminology and systems operation. Provides hands-on experience to create, save and retrieve drawings having various shapes, lines, types, dimensions and layers. This course includes learning activity designed to ensure competence in the basic use of computers; **Prerequisites:** None; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/4/2;

#### **CNT 2413C Network Forensics & Incident Response, CCA**

**Purpose:** This course will be added to the core-level course in the NET program to meet the National Initiative for Cyber Security Education standards (NICE); **Catalog Course Description:** This course covers the tools, technology and processes required to integrate network evidence sources into your investigation, with a focus on efficiency and effectiveness. The course will cover a full spectrum of network evidence, including high-level analysis, low-level pcap exploration and ancillary network log examination. The course will culminate with practical real world application of the tools learned throughout the course; **Prerequisites:** CET 2830C; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/4/1;

#### **CNT 2414C Cybercrime Investigation, CCA**

**Purpose:** Required course under the new specialization in Cyber Forensics; **Catalog Course Description:** This course provides an overview of cybercrime and its investigation. A foundational understanding of the criminal justice system, including laws specific to cybercrime investigation, will be covered. Students will learn about the variety of crimes occurring, how the investigative process is applied for each type of crime, and problems that are unique to cyber investigation; **Prerequisites:** CET 2178C; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/4/1;

#### **CNT 2417C Identity Security, CCA**

**Purpose:** This course will be added to the core-level courses in the NET program to meet the National Initiative for Cybersecurity Education standards (NICE) on Identity management and security; **Catalog Course Description:** This course aims to provide an introductory overview to identity management and security by presenting working definitions of Personal Identifiable Information (PII); identity management and security challenges and best practices; and the combined people, processes, policies, and technology required to manage and secure PII for a number of different market sectors. The course will culminate with practical applications of information security and its relationship to identity management; **Prerequisites:** CET 2486C; **Co-requisites:** CET 2486C; **Credit/Contact/Lab Hours:** 3/4/1;

#### **CNT 2426C Cloud Infrastructure Security, CCA**

**Purpose:** This course will be added to the core-level courses in the NET program to meet the National Initiative for Cyber security Education standards (NICE); **Catalog Course Description:** This course provides a broad and deep understanding of cloud computing operations with emphasis on cloud platform and infrastructure security. Topics such as building block technologies of the cloud (virtualization, storage, and networking), cloud data security, operation, and systems management will be discussed.

Related hands-on lab exercises will allow students to apply learned concepts; **Prerequisites:** CET 2455C; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/4/1;

#### **CTS 2322C Red Hat Enterprise Linux, CCA**

**Purpose:** Prepare the NET student for the Red Hat Certified System Administrator certification exam (RHCSA); **Catalog Course Description:** The course focuses on the key tasks needed to become a full time Linux administrator. The curriculum examines Enterprise Linux functions including working with file systems and disk partitioning, logical volume creation, SELinux (security enhanced Linux), various firewall implementations, and Red Hat Linux Enterprise troubleshooting. The course labs are delivered using comprehensive, hands-on training that examines and solves real world problems; **Prerequisites:** CET 2660; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 2/3/1;

#### **CTS 2144C Mobile Device Essentials, CCA**

**Purpose:** This course will be part of a new Computer Information Technology Specialization in Mobile Devices; **Catalog Course Description:** The course covers deployment, integration, support and management of mobile devices. It includes risk mitigation, by ensuring that proper security measures are maintained for devices and platforms. It also includes radio frequency concepts; device troubleshooting; security; and network infrastructure. Students will be prepared for the CompTIA Mobility+ certification exam; **Prerequisites:** CTS 1134C; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/1;

#### **CTS 2145C Cloud Essentials, CCA**

**Purpose:** This course will be part of a new Computer Information Technology Specialization in Mobile Devices; **Catalog Course Description:** The course covers cloud concepts and models; virtualization; cloud infrastructure; resource management; security; and systems management. It includes implementation, maintenance and delivery of cloud technologies and infrastructures while ensuring proper security measures are maintained to mitigate risks and threats. Students will be prepared for the CompTIA Cloud+ certification exam; **Prerequisites:** CTS 1134C; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/1;

#### **RTE 3593C Advanced MRI Procedures, CCA**

**Purpose:** Revising the MRI curriculum to better meet the needs of students pursuing certification; **Catalog Course Description:** Course content is designed as a continuum to MR Imaging and procedures course and is delivered concurrent with a clinical practicum section which expands on the principles and clinical skills covered in this course; covers slice selection, patient positioning, coil selection and advanced imaging protocols/ techniques related to vascular head, advanced abdomen/pelvis studies and special MRI procedures. This course also covers procedure protocol management, patient monitoring, advanced image critique and basic pathology associated with MRI imaging. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement; **Prerequisites:** Minimum grades of C in RTE 3592, and RTE 4943L completed at Valencia College.; **Co-requisites:** None; **Credit/Class/Lab Hours:** 3/2/80;

#### **SON 1002C Methods of Patient Care, CCA**

**Purpose:** Change course number from HSC 1230C; **Catalog Course Description:** Content is designed to provide the basic concepts of patient care including consideration for physical, and psychological, legal, and ethical needs of the patient and family. Routine and emergency patient

care procedures are described, as well as infection control procedures using standard precautions. Basic concepts of pharmacology/drug administration and theory and practice of venipuncture techniques are presented. Introduces basic theories, skills, and techniques of quality patient care. Includes communication, assessment skills, aseptic technique, drug administration, emergency situations, and AIDS education. Presents theoretical and practical knowledge to make sound clinical judgments and carry out patient care activities. A minimum grade of C is required to pass this course; **Prerequisites:** Acceptance to Sonography A.S. Degree Program; **Co-requisites:** SON 1000C; **Credit/Contact/Lab Hours:** 2/4/3;

#### **CCJ 2942 Criminal Justice Field Experience I, CCA**

**Purpose:** This course is required in the new Criminal Justice Experiential Learning Program for Law Enforcement and Corrections. Students taking this course must be admitted into this limited access track and be currently employed as corrections officers or law enforcement officers for a local or state agency; **Catalog Course Description:** This course is a planned work-based experience where students will demonstrate competencies in practical experiences related to the criminal justice occupational field in which they are currently employed. Students will review and discuss major concepts related to the criminal justice system, criminal law, ethics in criminal justice, and criminology that affect the administration of justice in the U.S. within the context of their occupational field; **Prerequisites:** Admission into the Criminal Justice Experiential Learning Program; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 6/6/0;

#### **CCJ 2943 Criminal Justice Field Experience II, CCA**

**Purpose:** A student must complete CCJ 2942 to take this course and be currently employed as a corrections officer or a law enforcement officer for a local or state agency; **Catalog Course Description:** In this planned work-based experience course students will demonstrate competencies in practical experiences related to the criminal justice occupational field in which they are currently employed. Students will apply and demonstrate major concepts learned in CCJ 2942 within the context of their own occupational duties; **Prerequisites:** Minimum grade of C in CCJ 2942; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 6/6/0;

#### **CCJ 2944 Criminal Justice Field Experience III, CCA**

**Purpose:** A student must complete CCJ 2943 to take this course and be currently employed as a corrections officer or a law enforcement officer for a local or state agency; **Catalog Course Description:** In this third and final planned work-based experience course students will continue to demonstrate competencies in practical experiences related to the criminal justice occupation in which they are currently employed. Students will build on what was learned in CCJ 2942 and CCJ 2943 by appraising their own values and behaviors in the performance of their occupational duties; **Prerequisites:** Minimum grade of C in CCJ 2943; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 6/6/0;

#### **CET 4370C Advanced Programming Applications, CCA**

**Purpose:** An advanced programming application course based on Python language, which is in high demand in industry, for the Computer Systems concentration under BSECET program that will fill up the void created by the combination of two upper-level CS concentration courses into one; **Catalog Course Description:** In this course, students will learn Python programming language to implement numerical and engineering applications; **Prerequisites:** Minimum grades of C in EGN 3428 and CET 3464C; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/1;

**CET 4542 Computer Architecture and Data Communication, CCA**

**Purpose:** A new course that is a combination of two existing upper-level courses in Computer systems concentration. Combining important topics from two courses (CET4333 & CET 4382) into a single course is done with the help of faculty teaching the existing courses and it made way for a new 3-credit course that will make computer systems curriculum stronger and more relevant; **Catalog Course Description:** A study of computer organization and architecture, architectural performance issues, different layers in a computer network, and processes related to each one of them. Design and performance of computer architectures and networks will be analyzed through mathematical techniques; **Prerequisites:** CET 2113C and CET 2123C and a minimum grade of C in EGN 3428; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/0;

**EET 3081C Circuit Analysis I, CCA**

**Purpose:** A new course replacing EET1025C (AC Circuits) for the students admitting into the program under AA track. Since EET1036C (DC/AC Circuits combined course) is no longer offered by the EET department, students are spending at least one more semester to graduate. This new course will combine DC concepts and introduce AC concepts, using more complex circuits that will better prepare students to go to the next course EET 3086C - Circuit Analysis (currently Circuit Analysis) in addition to saving them at least one semester; **Catalog Course Description:** This course introduces students to the principles and techniques required to analyze electrical circuits. Students will gain an in-depth understanding and hands-on experience with circuit simulator and laboratory projects; **Prerequisites:** MAC 2312 and a minimum grade of C in CET 3464C; **Co-requisites:** CET 3464C (pre or co-requisite) ; **Credit/Contact/Lab Hours:** 3/4/1;

**AOM 1461C Introduction to Sustainable Agriculture, CCA**

**Purpose:** This new course will be part of the new specialization in Sustainable Agriculture under our current A.S. degree in Plant Science and Agricultural Technology; **Catalog Course Description:** Principles, concepts, and techniques of organic and sustainable production of crops, covering biological, social, and economic components of organic and sustainable farming systems; including soil and water management, cultural practices, pest control, harvest and post-harvest handling, marketing of organic products, and organic agriculture policy and regulation. Begins with a brief history of agriculture from its original inception, to the Green Revolution in the mid-20<sup>th</sup> Century, to the current push for sustainability in its various forms; **Prerequisites:** None; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/1;

**FAS 2010C Principles of Aquaculture, CCA**

**Purpose:** This is one of the new courses we are adding for a new specialization in Sustainable Agriculture. It will utilize our roof-top aquaponic facility; **Catalog Course Description:** Provides an overview of the field of aquaculture, including water quality, production systems, nutrition, spawning, and the common fish and invertebrate groups cultured in the United States. The purpose of this course is to develop an understanding of commonly used culture systems, to become familiar with the fundamentals of fish and shellfish husbandry, and to gain an appreciation of aquaculture's roles in natural resource management, the human food supply, and the global economy. Labs will include hands-on management of an aquaculture system; **Prerequisites:** None; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/1;

**HOS 2005C Principles of Hydroponics, CCA**

**Purpose:** New course for the new specialization in Sustainable Agriculture under our current A.S. degree. Will utilize the roof-top aquaponic facility; **Catalog Course Description:** Basic

concepts in hydroponic agricultural production including types of media, irrigation, fertilization, pest/disease management, advantages/disadvantages, and production methods for various crops will be covered. A brief history of hydroponic production will be described as well as the potential future for this type of production method. Labs will include hands-on activities establishing and managing specific crops utilizing these types of growing systems throughout the semester; **Prerequisites:** None; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/1;

#### **PLS 2402C Principles of Aquaponics, CCA**

**Purpose:** This new course will be part of the new Specialization in Sustainable Agriculture as well as the corresponding technical certificates; **Catalog Course Description:** Principles and practical application of an aquaponics production system. Students will be introduced to the history as well as a variety of system designs that maintain water quality by various solids removal techniques. Also covered will be fish production, plant production, economics and fingerling production. Labs include implementing and maintaining a production plan for various plant and fish combos; **Prerequisites:** None; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/1;

#### **EMS 2522 Emergency Pharmacology, CCA**

**Purpose:** This course will increase the comprehension of course content and improve student success; **Catalog Course Description:** Emergency pharmacology is the study of the administration of intravenous fluids and emergency intravenous medicinal therapy. Includes pharmacology of medications used in management of persons suffering both acute and chronic medical, behavioral and toxicological emergencies in the prehospital environment. Includes the knowledge and skills required for safe, effective administration of therapeutic medications and the indications and contraindications associated with medication therapy; **Prerequisites:** EMS 1010 and State of Florida Emergency Medical Technician Certification and acceptance to Paramedic Certificate program; **Co-requisites:** EMS 2603, EMS 2603L, EMS 2666L; **Credit/Contact/Lab Hours:** 2/2/0;

#### **MMC 2122 Media Convergence, CCA**

**Purpose:** The East Campus Communications Department will soon propose a new A.S. Degree in New Media Communications. If approved, this course fills a gap found in existing course curriculum. In this course, students will learn how to tell a single cohesive story across multiple digital platforms; **Catalog Course Description:** This course will examine the nature of old media as it converges with new media, while surveying usage of social media tools and technology for brand innovation. Students will study the relevance and importance of social media tools for new and emerging processes. Students will compare the changes to new media communication processes in a new economy that includes interactive technology that engages the public in dramatically different ways from the past. While completion of ENC1101 is not required before taking this course, it may provide a foundation to help increase the student's success in this course; **Prerequisites:** Recommend ENC 1101, or ENC 1101H, or IDH 1110; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/0;

#### **MMC 2212 Communications Law and Ethics, CCA**

**Purpose:** The East Campus Communications Department is soon to propose a new A.S. degree in New Media Communications. If approved, this course will fill a gap in the existing course curriculum. In this course students will learn the founding principles of the U.S. Constitution and how it grounds our laws and ethics in today's new media society; **Catalog Course Description:**

This course will examine key ethical and legal principles related to mass communications. Students will read, evaluate and analyze ethical and legal case studies as well as look closely at First Amendment, legal access to information, plagiarism, libel, right of privacy, defamation, photo manipulation, trademarks, open meeting and records and the implications of recent developments in mass media law and ethics specifically related to social media. Students will explore the impact of the internet and social media on communications, investigate how new technologies are regulated today, and enhance student awareness of the ethical responsibilities of the social media professional. While completion of ENC1101 is not required before taking this course, it may provide a foundation to help increase the student's success in this course;

**Prerequisites:** None; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/0;

#### **MMC 2450 Data Literacy for Communicators, CCA**

**Purpose:** The East Campus Communications Department will soon propose a new A.S. degree in New Media Communications. This course is designed to fill the gap in current available course offerings and if approved, students will learn how to use data to drive decision making in social media planning; **Catalog Course Description:** This course will examine existing media analytical tools and their role in managing social media campaigns. This course will provide an opportunity for the student to become literate about data management and how to use numbers and avoid common mistakes. While completion of the first freshman mathematics course is not required before taking this course, it may provide a foundation to help increase the student's success in this course. This course is designed to showcase the virtually unlimited opportunities that exist today to leverage the power of social media. Students will focus on social media initiatives, metrics to capture relevant outcomes, and predictive analysis to link social media chatter to performance; **Prerequisites:** Recommend STA 1001C or higher statistics course; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/0;

#### **DIG 2180C Intermediate Client-Side Programming, CCA**

**Purpose:** We are spreading out course content current in Intro to Web Programming and Advanced Client-side Programming into 3 courses. This should allow us to cover topics more thoroughly and allow for deeper student understanding; **Catalog Course Description:** This course builds upon foundational skills learned in Intro to Web Programming. Students create independent development work using Intermediate aspects of JavaScript; **Prerequisites:** Minimum grade of C in either DIG 1102C or COP 1000; AND minimum grade of C in either DIG 2100C or COP 2282; or department approval; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/4/1;

#### **DIG 2562C Introduction to Content Management Systems, CCA**

**Purpose:** Adding this course in response to industry demand and student interest; **Catalog Course Description:** Introduces concepts for the design and development of industry standard applications using Content Management Systems. Students will learn the basics of an industry-standard Content Management System along with beginning to intermediate level coding using common web development languages; **Prerequisites:** Minimum grades of C in both DIG 1108C and DIG 1940; or department approval; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/4/1;

#### **DIG 2564C Advanced Content Management Systems, CCA**

**Purpose:** Adding this course in response to industry demand and student interest.; **Catalog Course Description:** Using industry-standard authoring software and scripting languages, students author an advanced interactive application using a Content Management System

through various stages of development with emphasis on optimizing and debugging;

**Prerequisites:** Minimum grades of C in DIG 2562C or department approval; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/4/1;

**MGF 1106H College Mathematics -Honors, CCA**

**Purpose:** This course will give another appropriate General Education Mathematics choice to students in the Valencia College Honors Program; **Catalog Course Description:** Same as MGF 1106. In addition, course content will satisfy one Honors Program learning outcome. Honors Program permission required; **Prerequisites:** Minimum grade of C in MAT 0018C or higher or appropriate score on an approved assessment; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 3/3/0;

**MUC 2000C Composition and Songwriting I and II, CCA**

**Purpose:** Updating outline and replacing outdated prerequisite, change course number from MUC 2000 to MUC 2000C; **Catalog Course Description:** A study of the basic elements of music composition through analysis, student projects, and listening assignments. Composition and Songwriting II is a continuation of the study of these elements. This course may be repeated one time for a maximum of 4 credit hours, but grade forgiveness cannot be applied. **Prerequisites:** Minimum grade of C in MUT 1011 or MUT 1111; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 2/3/2;

**MUM 2645L Mastering Techniques, CCA**

**Purpose:** Recommendation of Advisory Committee and documented industry demand; **Catalog Course Description:** An introduction to the techniques for the preparation of audio masters for publication in different formats, including analog mastering for vinyl records, and digital masters for High definition formats such as iTunes, ALAC and Flac; and for low definition and lossy formats such as audio CDs, audio streams and MPEG audio (MP3, etc.); **Prerequisites:** MUM 2600C; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 1/2/2;

**REL 1200 Introduction to the Bible, CCA**

**Purpose:** Familiarity with the texts and stories of the Bible is an essential component of cultural literacy in the West, as the Biblical writings are a basis of much of Western literature, music, and art; these writings have influenced many of the iconic works of Western civilization. There is a need for a course that will introduce students to these texts and stories from an academic and secular perspective, allowing them to appreciate the Bible as a cornerstone of human religious and literary experience while also defamiliarizing the texts for those students who may only have a "Sunday-School" acquaintance with them. These students may never have considered the questions of authorship, purpose, literary form and meaning, etc., that will be considered in this course. This course does not count toward the Humanities General Education requirement nor does it count towards the Gordon Rule Writing requirement. **Credit/Contact/Lab:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** An introduction to the Bible from a secular, academic perspective. Covers major narratives, issues, and themes in the Jewish and Christian scriptural texts. Introduces students to methods used by critical scholars of the Bible;

**COM 2942 Internship in New Media Communications, CCA**

**Purpose:** New course offering for New Media Communications; **Catalog Course Description:** This course is a planned work-based experience that provides students with an opportunity to fine-tune skill sets learned in course work and enhance workplace skills through supervised practical experiences related to their career objectives. Each earned credit of Internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for a maximum of 4 credits, but grade forgiveness cannot be applied; **Prerequisites:** Satisfactory completion of all mandated courses in reading, math, English, & EAP; 2.0 institutional or overall GPA; and 12 credit hours, including a minimum grade of C in JOU 1100 or MMC 2150 or PUR 2003, or Program Chair approval; **Co-requisites:** None; **Credit/Contact/Lab Hours:** 1-4/Variable/0;

### **Credit Course Modifications**

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

**Purpose:** Modify prerequisites; **Revised Prerequisites:** Admission to the B.A.S degree in Supervision and Management, and a minimum grade of C in one of the following courses: MAC 1105, or APA 1111C, or ACG 2021C, or FIN 2000, or MGF 1106, or MGF 1107, or MTB 1103;

#### **FIN 3402 Financial Analysis and Planning, CCM**

**Purpose:** Modify prerequisites; **Revised Prerequisites:** Admission to the B.A.S degree in Supervision and Management, and a minimum grade of C in one of the following courses: MAC 1105, or APA 1111C, or ACG 2021C, or FIN 2000, or MGF 1106, or MGF 1107, or MTB 1103;

#### **EGS 2004 Electrical Networks, CCM**

**Purpose:** Modify prerequisites and co-requisites; **Revised Prerequisites:** Minimum grades of C in PHY 2049C and MAC 2313; **Revised Co-requisites:** MAP 2302 with a minimum grade of C;

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

**Purpose:** Modify prerequisites and co-requisites; **Revised Prerequisites:** PHY 2049C and MAC 2313 with a C or better; **Revised Co-requisites:** MAP 2302 with a minimum grade of C;

#### **EGS 2941 Internship in Engineering, CCM**

**Purpose:** Modify prerequisites; **Revised Prerequisites:** Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes; 12 credits including EGS 1006C, EGN 1007C, MAC 2311 and PHY 2048C; and Internship Office approval;

#### **PEM 1131C Weight Training I, CCM**

**Purpose:** Modify course title, course hours, and course description; **Revised Course Title:** Strength Training I; **Revised Course Hours:** 2/1/1 (previously 2/2/2); **Revised Course Description:** This course offers instruction and practice in proper weight training techniques on a variety of equipment. Students will learn to design and implement a safe and effective weight training program tailored to their own fitness goals based on application of exercise science principles and methods;

#### **PEM 1132C Weight Training II, CCM**

**Purpose:** Modify course title, course hours, and course description; **Revised Course Title:** Strength Training II; **Revised Course Hours:** 2/1/1 (previously 2/2/2); **Revised Course Description:** This course reviews and offers advanced instruction and practice in proper weight training techniques on a variety of equipment for continued improvement. Students will design

and implement a safe and effective weight training program tailored to their own fitness goals based on application of exercise science principles and methods;

**GEB 2860 Business Administration Capstone, CCM**

**Purpose:** Modify prerequisites; **Modified Prerequisites:** ENC 1101, MAN 2021, ACG 2021C (Previously: ENC 1101, MAN 2021, and ACG 2071C;

**HUM 2220 Humanities- Greek and Roman, CCM**

**Purpose:** Modify course description; **Revised Catalog Course Description:** This course encompasses a study of the ancient world with an emphasis on the study of Greek and Roman civilizations. Covers period from Trojan War through Roman era, emphasizing development and influence of classical ideas. Integrated examination of dominant ideas in Western culture as expressed in art, literature, music, philosophy and religion. Students must demonstrate college-level writing skills through multiple assignments. Minimum grade of C required if used to satisfy Gordon Rule requirement;

**HUM 2223 Humanities-Late Roman and Medieval, CCM**

**Purpose:** Title change; **Revised Course Title:** The Middle Ages;

**HUM 2223H Humanities-Late Roman and Medieval Honors, CCM**

**Purpose:** Title change; **Revised Course Title:** The Middle Ages-Honors;

**HUM 2234 Humanities-Enlightenment and Romanticism, CCM**

**Purpose:** Title change; **Revised Course Title:** 18<sup>th</sup> and 19<sup>th</sup> Century Humanities; and course description.

**HUM 2234H Humanities-Enlightenment and Romanticism Honors, CCM**

**Purpose:** Title change; **Revised Course Title:** 18<sup>th</sup> and 19<sup>th</sup> Century Humanities-Honors;

**HUM 2250 Humanities-20<sup>th</sup> Century, CCM**

**Purpose:** Title change; **Revised Course Title:** 20<sup>th</sup> and 21<sup>st</sup> Century Humanities;

**HUM 2250H Humanities-20<sup>th</sup> Century-Honors, CCM**

**Purpose:** Title change; **Revised Course Title:** 20<sup>th</sup> and 21<sup>st</sup> Century Humanities-Honors;

**ETP 1501C Introduction to Alternative and Renewable Energy, CCM**

**Purpose:** Modify course description; **Revised Course Description:** This course will introduce students to a variety of energy sources such as nuclear, wind, geothermal, solar, hydro, and biodiesel; **Revised Credit/Contact/Lab Hours:** 3/4/2;

**MAC 2311 Calculus with Analytic Geometry I, CCM**

**Purpose:** To better align the credit hours of the course with educational partners and comparable institutions in the state; **Revised Credit/Contact/Lab Hours:** 4/5/0;

**MAC 2312 Calculus with Analytic Geometry II, CCM**

**Purpose:** To better align the credit hours of the course with educational partners and comparable institutions in the state; **Revised Credit/Contact/Lab Hours:** 4/5/0;

HIM 1012 Legal Aspects of Health Information Management, CCM

**Purpose:** Dropping corequisite; **Revised Co-requisite:** None;

HIM 1211 Health Information Management, CCM

**Purpose:** Dropping corequisites and updating course topics and outcome; **Revised Co-requisite:** None;

HIM 2222C Basic ICD Coding, CCM

**Purpose:** Course description and prerequisite changed to better align with curriculum; **Revised Prerequisite:** Admission to the HIT A.S. or Certificate Program and a minimum grade of C in BSC 2093C or department approval; **Revised Catalog Course Description:** This course will introduce the student to the ICD-10 CM classification system with an emphasis on the correct process of utilizing the alphabetic index and tabular list for code assignment. The focus will be on rules, conventions, instructions of ICD-10 CM, as well as the chapter specific guidelines, including criteria for assignment of principal and additional diagnosis in all applicable patient settings, will be addressed;

HIM 2810L Professional Practice Experience II, CCM

**Purpose:** A change made in course prerequisite to better align with curriculum; **Revised Prerequisite:** Minimum grade of C in BOTH HIM 2222C and HIM 2253;

CJE 2140 Introduction to Security, CCM

**Purpose:** This revision was completed to add the requirements for the Florida Department of Agriculture Unarmed Security Officer D License; **Revised Catalog Course Description:** This course will explore various aspects of security, including, but not limited to, community, retail, corporate, business and industrial problems and concerns. In addition, the requirements for the Unarmed Security Officer D License are embedded in this course, which examines ethical, legal and liability issues for security officers including legal authority, use of force, search and seizure. Emphasis is placed on developing knowledge and skills related to communications, patrol operations, investigations, safety and First Aid;

BCN 2563 Building Service Systems, CCM

**Purpose:** Update name and course description to match needs of merged Construction & Civil program and needs of EMCT program. Typo correction added C to rec pre req ETC 1251; **Revised Course Title:** Building Systems and Management; **Revised Catalog Course Description:** Survey of design, installation and management of various plumbing, mechanical and electrical systems used in buildings. Concepts covered include heat loss and heat gain, comfort control, psychrometric charts, water systems, system installation and coordination, illumination and other selected topics; **Revised Recommended Prerequisites:** *It is recommended that students have taken* ETC 1251C;

BCN2721C Construction Planning and Control, CCM

**Purpose:** Align with curriculum modifications per Nasser; **Revised Course Title:** Construction Scheduling and Management; **Revised Catalog Course Description:** Survey of important points to be considered in the management and scheduling of construction projects. Covers development of CPM (Critical Path Method) diagram with emphasis on planning, scheduling and managing construction activities, calculating time durations, sequence of operations,

follow-up methods, project control and integration of calendar dates to plan;

**Recommended Prerequisites:** BCN 2563 and BCT 2770C;

ETD 1340C Advanced CADD, CCM

**Purpose:** Revise prerequisites; **Revised Prerequisites:** ETD 1103C or department approval;

#### **CET 2178C A+ Concepts (Hardware), CCM**

**Purpose:** Change the course title from A+ Concepts Hardware to Computer Hardware.

Revise course description; **Revised Course Title:** Computer Hardware; **Revised Catalog**

**Course Description:** The computer hardware course is a hands-on laboratory-oriented course designed to introduce the student to the operation, support, and troubleshooting of PCs, peripherals, and network connectivity issues. Major terms covered in this course are hardware concepts, troubleshooting, repair, maintenance and support. This course prepares the student for the CompTIA A+ Hardware exam;

#### **CET 2615C Cisco Advanced Router Technology, CCM**

**Purpose:** Title change. Prerequisite change; **Revised Course Title:** Routing and Switching in the Enterprise; **Revised Prerequisite:** CET 1610C;

#### **ET 2620C Cisco Projects In Routing Design and Administration, CCM**

**Purpose:** Title change. Content update to include Palo Alto Firewalls. Prerequisite

change; **Revised Course Title:** WAN Architecture & Perimeter Security; **Revised**

**Prerequisite:** CET 1610C; **Revised Course Description:** This course is designed to prepare the student for the advanced applications and implementations of Wide Area Networks (WAN) hardware and technologies. The course will also allow the student to gain an in-depth knowledge of how to install and configure the security, networking, threat prevention, logging and reporting features of the Palo Alto Networks Operation System (PAN-OS);

#### **CET 2792C Installing and Configuring Windows Server, CCM**

**Purpose:** Change the; **Revised Prerequisite:** CET 2178C and CET 2486C OR CTS 1131C and CTS 1134C;

#### **HSC 1004 Professions of Caring, CCM**

**Purpose:** Modify course descriptions and outcomes; **Revised Catalog Course Description:** Professions of Caring is designed to assist students in formulating their purpose in life as a health care professional as compared to other non-health fields. Through self-discovery, students will investigate their interests, strengths and personal values that align with their educational and health career goals. The faculty are health care professionals and will provide the expertise and guidance needed to help students navigate through the maze of available health careers. Emphasis is on orientation to college, integrated student success skills, and the development of an individualized education plan. Students will learn and integrate practical applications to communicate across diverse populations.;

#### **BCN 2942 Internship in Architectural/Building Construction, CCM**

**Purpose:** When the AS Degree in Building Construction Technology program changed the name from Architectural/Building Construction the change wasn't made to the internship course.

Andy Ray has requested to update the name of the internship course to reflect the current name of the program; **Revised Course Title:** Internship in Construction and Civil Engineering Technology;

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

**Purpose:** Modify prerequisites; **Revised Prerequisites:** Satisfactory completion of all mandated courses in reading, mathematics, English, and English for Academic Purposes; 18 credits including COP 1000C, ETM 1602C, and ETM 2943. The Program Director/Program Chair/Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses;

**ETS 1210C Introduction to Photonics, CCM**

**Purpose:** It will help students to gain more college experience as most students take this class after the first semester in college and some of them are dropping or failing the class due to the difficulty of the subject; **Revised Prerequisites:** EET 1015C;

**ETS 2221C Introduction to Electro-Optical Devices, CCM**

**Purpose:** It will help with the class enrollment as most students do not have EET 1025C or EET 1036C at the time that they take ETS 1210C which results in students having to wait few semesters, even a year, before they can take this class. EET 1025C or EET 1036C is not required as any AC concepts needed are already covered in ETS 1210C; **Revised Prerequisites:** ETS 1210C;

**ETS 2230C Introduction to Lasers, CCM**

**Purpose:** It will help with the class enrollment as most students do not have EET 1025C or EET 1036C at the time that they take ETS 1210C which results in students having to wait few semesters, even a year, before they can take this class. EET 1025C or EET 1036C is not required as any AC concepts needed are already covered in ETS 1210C; **Revised Prerequisites:** ETS 1210C;

**RTE 3591 Magnetic Resonance Imaging I, CCM**

**Purpose:** Modify course title, modify course description; **Revised Course Title:** MRI Principles and Instrumentation; **Revised Course Description:** Course content is designed to impart the basic concepts of Magnetic Resonance Imaging; explains basic principles and fundamentals of MRI using quantum physics; covers instrumentation, image weighting, image contrast, tissue characteristics, image formation, data collection, and MRI safety requirements. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement and/or ATC in MRI requirement;

**RTE 3592 Magnetic Resonance Imaging II, CCM**

**Purpose:** Modify course title, modify co-requisites, modify course description; **Revised Course Title:** MR Imaging and Procedures; **Revised Co-requisites:** RTE 4943L; **Revised Course Description:** Course content is designed as a continuation of the MR Principles and Instrumentation course; explains pulse sequences and parameters; covers manipulation of technical factors, trade-offs, flow and MR artifacts. This course also covers slice selection, patient positioning, coil selection, and routine imaging protocols/techniques related to the head, neck, spine, abdomen, pelvis and extremities. Clinical practice (RTE 4943L) is required to be completed simultaneously with this course. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement and/or ATC in MRI requirement.

**RTE 4941L Practicum, CCM**

**Purpose:** Modify course description; **Revised Course Description:** A minimum grade of C in RTE 3588 and RTE 4474 completed at Valencia College; and either current professional employment or a minimum grade of C in RTE 3116; and department approval. The practicum course must begin within 12 months of completion of RTE 3588; **Revised Prerequisite:** Practical application in a clinical setting of knowledge acquired in the classroom. May not be repeated. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement and/or ATC requirement.

#### **RTE 4942L CT Practicum, CCM**

**Purpose:** Modify prerequisites; **Revised Course Description:** Minimum grade of C in RTE 3590 completed at Valencia and RTE 3765; and either current professional employment or a minimum grade of C in RTE 3116; and department approval. The practicum course must begin within 12 months of completion of RTE 3590. **Revised Prerequisites:** Practical application in a clinical setting of knowledge acquired in the classroom. May not be repeated. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement and/or ATC in CT requirement;

#### **RTE 4943L MRI Practicum, CCM**

**Purpose:** Modify prerequisites, modify co-requisites, modify course description; **Revised Prerequisites:** A minimum grade of C in RTE 3591; and RTE 3765; and either RTE 3116 or current professional employment or a minimum grade of C in RTE 3116; and department approval. The practicum course must be taken simultaneously with RTE 3592. RTE 3591 and RTE 3592 must be completed at Valencia College; **Revised Co-requisites:** RTE 3592; **Revised Course Description:** This course is designed to provide students with a flexible clinical education experience in technical and professional aspects of magnetic resonance imaging. Content is presented as a progression in competency levels through clinical performance assessments and competencies. Students will observe, assist, and perform basic patient care and MRI clinical procedures under direct supervision and are expected to perform procedures independently, under indirect supervision, after completing competencies. Clinical practicum is required to be completed simultaneously with RTE 3592. May not be repeated. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement and/or ATC in MRI requirement.

#### **SON 2618 Acoustical Physics and Instrumentation II, CCM**

**Purpose:** Revise course title; **Revised Course Title:** Sonographic Physics II;

#### **SON 2619 Acoustical Physics and Instrumentation III, CCM**

**Purpose:** Revise course title; **Revised Course Title:** Sonographic Physics III;

#### **GEB 2861 Business Problems Analysis, CCM**

**Purpose:** We would like to add the first line: This course is for A.A. Business pre-majors only. This course is meant for A.A. Business pre-majors. A.S. Business students would not benefit from since the concepts/outcomes are covered in previous A.S. courses; **Revised Catalog Course Description:** This course is for A.A. Business pre-majors only. This course will explain business terminology, management functions, marketing applications, and decision making methods. Using data derived from real-world business situations, students will learn to use appropriate spreadsheet software features to organize, analyze, and present data, as well as to make business decisions;

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

**Purpose:** Change the prerequisites from CET 2179C and CET 2486C to COP1000C and CET 2486C;  
**Revised Prerequisites:** COP 1000C and CET 2486C;

**CET 3136C Logic Devices Programming, CCM**

**Purpose:** (i) Changed the prerequisite to the correct one (ii) Reduced credit hours to three to offset increase of one credit hour in two of the core courses (iii) Included missing 'evidence of learning' and 'TVCA'; **Revised Credit/Contact/Lab Hours:** 3/4/2;

**CET 4126C Microprocessor Programming, CCM**

**Purpose:** Changing credits to three to offset increase of one hour in two of the core courses;  
**Revised Credit/Contact/Lab Hours:** 3/4/2;

**CET 4190C Digital Signal Processing, CCM**

**Purpose:** Changing credit hours to three to offset the increase of credit hours in two of the core courses; **Revised Credit/Contact/Lab Hours:** 3/4/1;

**CET 4663 Computer and Network Security, CCM**

**Purpose:** (i) Prerequisites updated (ii) Evidence of learning added; **Revised Prerequisites:** CET2123C and a minimum grade of C in EGN3428;

**EET 3086C Circuit Analysis, CCM**

**Purpose:** Name change due to the introduction of a new course 'EET 3081C - Circuit Analysis I', which will be one of the prerequisites to this course 2. Increase in credit hours from 3 to 4 based on the depth of the course and work that students are required to perform in the course. This increase is offset by the decrease of credit hours in one of the upper-level courses under both concentrations, hence, total credit hours of the program are unchanged. 3. Increase in contact hours from 4 to 5 to meet with students one more hour each week to properly cover all the topics of the course and solve more problems to help them better understand concepts that ensure their success in the course. Currently, instructors struggle to cover all the required topics and success rate is very low; **Revised Course Title:** Circuit Analysis II; **Revised Credit/Contact/Lab Hours:** 4/5/2; **Revised Prerequisites:** EET 1025C or EET 1036C or minimum grade grades of C in EET 3081C and minimum grades of C in CET 3464C and EGN 3428;

**EET 3329C Communication Systems, CCM**

**Purpose:** Prerequisite change since EET 2325C will not be required anymore starting Fall 2018;  
**Revised Prerequisites:** A minimum grade of C in EGN 3428 and EET 3086C;

**EGN 3428 Engineering Mathematical Analysis, CCM**

**Purpose:** Increasing from 3 to 4 course credit hours to align with submitted program modifications; **Revised Credit/Contact/Lab Hours:** 4/4/0; **Revised Catalog Course Description:** Advanced mathematical concepts and methods needed to solve engineering and engineering technology problems. Topics include First- and higher-order differential equations, Laplace transforms, linear algebra, and matrix analysis, Fourier series and transforms, Complex numbers, variables, and functions;

**ETP 4240C Power Electronics, CCM**

**Purpose:** Reducing course credit hours to three to make up one credit hour increased in one of the core courses; **Revised Credit/Contact/Lab Hours:** 3/4/1;

#### **HOS 2941 Internship Exploration in Landscape/Horticulture, CCM**

**Purpose:** We are removing the pre-requisite of courses including biology; **Revised Prerequisites:** Satisfactory completion of all mandated courses in Reading, Mathematics, English and English for Academic Purposes; a minimum 2.0 institutional or overall GPA.;

#### **HOS 2942 Internship in Landscape/Horticulture, CCM**

**Purpose:** Removal of the pre-requisites for this course; **Revised Prerequisites:** Satisfactory completion of all mandated courses in Reading, Mathematics, English and English for Academic Purposes; a minimum 2.0 institutional or overall GPA

#### **EMS 2603 Paramedic I, CCM**

**Purpose:** Improve student comprehension of course content and improve student success; **Revised Prerequisites:** EMS 1010 or BSC 1084 and State of Florida Emergency Medical Technician Certification and acceptance to Paramedic Certificate program; **Revised Co-Requisites:** EMS 2603L, EMS 2666L, EMS 2522; **Revised Catalog Course Description:** EMS 2603 is the first course in the sequence necessary for completion of the Paramedic Certificate curriculum. The course is designed to reinforce concepts and clinical skills learned at the EMT level and to integrate this knowledge with beginning advanced life support concepts and skills. Emphasis is placed on EMS Systems, illness and injury prevention, medical-legal issues, patient assessment, airway management and ventilation, pathophysiology, shock, abuse and assault, challenged patients, operational issues and decision making regarding appropriate interventions for identified problems. This course includes Modules 1, 2 and 3 of the DOT National Standard Curriculum for Paramedic Program;

#### **EMS 2603L Paramedic I Laboratory, CCM**

**Purpose:** Change to co-requisites and added syllabus; **Revised Co-Requisites:** EMS 2603 and EMS 2666L and EMS 2522;

#### **EMS 2605 Paramedic III, CCM**

**Purpose:** Redistribution of credit hours to improve student success; **Revised Credit/Contact/Lab Hours:** 3/3/0; **Revised Catalog Course Description:** EMS 2605 is the third course in the sequence necessary for completion of the Paramedic Program. The course is designed to reinforce and expand upon the materials and clinical skills learned at the EMT, and Paramedic I and II levels and to integrate prior learning with enhanced advanced life support concepts and skills. Emphasis is placed on patient assessment and recognition of significant findings, pre-hospital differential diagnosis and treatment strategies, pathophysiology, gynecologic emergencies, obstetrical emergencies, neonatal emergencies, pediatric emergencies, and geriatric emergencies. This course includes Modules 6, and 7 of the DOT National Standard Curriculum for Paramedic Program;

#### **EMS 2666L Paramedic I Clinical, CCM**

**Purpose:** Change to co-requisites and added syllabus; **Revised Co-Requisites:** EMS 2603 and EMS 2603L and EMS 2522;

#### **GRA 1956C Phoenix Design Project, CCM**

**Purpose:** students are needing more advanced typographic design and layout design skills before attempting this course; **Revised Prerequisites:** A minimum grade of C in GRA 1206C or department approval;

**GRA 2133C Intermediate Web Design, CCM**

**Purpose:** students are needing stronger skills in CSS design and coding skills prior to attempting this course (which combines html and CSS coding); **Revised Prerequisites:** Minimum grade of C in GRA 2141C and GRA 2723C or department approval;

**GRA 2151C Illustrating, CCM**

**Purpose:** the description of this course was antiquated and needing updating. older course prerequisites (from a bygone era, that no longer exist) were needing to be removed; **Revised Prerequisites:** ART 1300C and a minimum grade of C in GRA 1142 or department approval; **Revised Catalog Course Description:** A basic course in the application of various traditional (non-computer) illustration styles, materials, and techniques used to visually communicate;

**GRA 2585C User Interface Design, CCM**

**Purpose:** two prerequisites were removed from this course to encourage students to take the course sooner and to prevent any bottleneck in their degree progress; **Revised Prerequisites:** Minimum grade of C in GRA 1751 or departmental approval;

**GRA 2723C CSS Design, CCM**

**Purpose:** a prerequisite was removed from this course to encourage students to take it sooner, to remove any bottleneck in their degree progress, and to allow students to take this course while taking GRA 2141C web page design; **Revised Prerequisites:** Minimum grade of C in DIG 2100C or department approval.

**DIG 2106C Advanced Client-Side Programming, CCM**

**Purpose:** Pre-req change and correction of class duration; **Revised Prerequisites:** Minimum grade of C in either DIG 2180C; or department approval;

**DIG 2943 Internship in Digital Media, CCM**

**Purpose:** Add syllabus, modify prerequisites; **Revised Prerequisites:** Satisfactory completion of all mandated courses in reading, math, English, & EAP; a min. 2.0 institutional or overall GPA; and 12 credits, including a minimum grade of C in DIG 2291C or DIG 2822C or DIG 2950C or DIG 2106C. The Program Dir./Prog. Chair/Prog. Coord. or IPO has the discretion to provide override approval as it relates to the waiver of required prog./discipline-related courses;

**FSS 2054C Cookies, Tarts and Friandises, CCM**

**Purpose:** Like the change justifications made in the course outline forms we are upgrading the hours to better serve the pedagogy in the cookies class. Revise prerequisites; **Revised Credit/Contact/Lab Hours:** 3/6/5; **Revised Prerequisites:** FSS 1052C;

**FSS 2057C Individual and Production Pastries, CCM**

**Purpose:** Modify course hours, modify co-requisites; **Revised Credit/Contact/Lab Hours:** 3/6/5; **Revised Co-Requisites:** FSS 2056C;

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

**Purpose:** The course modification is mentioned in the course outline modification. Attached is the adjusted syllabus. To aggregate student learning is our main focus. There is insufficient time to accomplish critical thinking in the baking subjects stated in the present time allotted. Everything in this modification is up to date; **Revised Credit/Contact/Lab Hours:** 3/6/5;

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

**Purpose:** Revise credit hours. Revise prerequisites; **Revised Credit/Contact/Lab Hours:** 3/6/5;  
**Revised Prerequisites:** None;

**FSS 2061C Basic and Classical Cakes and Pastries, CCM**

**Purpose:** We are upgrading the hours to better serve the pedagogy in the Basic and Classical Cakes class; **Revised Credit/Contact/Lab Hours:** 3/6/5;

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

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

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

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

**SWS 2102C Soils and Fertilizers, CCM**

**Purpose:** Modify course description; **Purpose:** Changing the older, no longer available course, HOS 1010C, to the current course PLS 1010C and making it a co-requisite instead of a pre-requisite;

**MUS 2360C MIDI Electronic Music I, CCM**

**Purpose:** Modify course description; **Revised Catalog Course Description:** This course provides an introduction to MIDI production and sequencing using computers and digital audio workstations, including musical composition and arranging techniques. This course includes learning activities designed to ensure competence in the basic use of computers, file management, among others;

**MUS 2361C MIDI and Electronic Music II, CCM**

**Purpose:** Modify course description; **Revised Catalog Course Description:** This course is designed to provide students further practical study in MIDI with particular focus on sound design, software synthesizers, creating sampler instruments, as well as additional techniques in MIDI sequencing, editing, composition and arranging, plus a broad view of electronic music and its history.

**SON 1614 Acoustical Physics and Instrumentation I, CCM**

**Purpose:** Revise course title; **Revised Course Title:** Sonographic Physics I;

**Credit Course Deletions**

**DIM 0810 Transit Equip. Preventive Maintenance Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0811 Transit Basic Electrical Systems Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0812 Transit Wheelchair Lift/Ramp Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0813 Transit Diesel Engine Preventive Maintenance Tech., CCD,**

**Purpose:** Articulation agreement incomplete;

**DIM 0814 Transit Steering and Suspension Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0820 Transit Hydraulics Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0821 Transit Diesel Electrical and Diesel Engine Electronics Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0822 Transit Drive Train Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0823 Transit Intermediate Electrical Systems Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0824 Transit Brakes/Air System Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0830 Transit Alternative Fuels System Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0831 Transit Advanced Electrical Systems Tech., CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0832 Transit Heating and Air-Conditioning, CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0833 Transmission, Diagnosis, Rebuild and Repair, CCD**

**Purpose:** Articulation agreement incomplete;

**DIM 0834 Diesel Engine Diagnosis, Rebuild & Repair Tech., CCD**

*Purpose:* Articulation agreement incomplete;

**PEM 1176 Kickboxing, CCD**

*Purpose:* Change lab hours, and add C designation; *Revised Course Number:* PEM 1176C;

*Revised Course Hours:* 2/2/2 (previously 2/2/0);

**CJK 0240 Law Enforcement Auxiliary Introduction, CCD**

*Purpose:* This course has been eliminated from the state mandated curriculum;

**CJK 0241 Law Enforcement Auxiliary Patrol and Traffic, CCD**

*Purpose:* This course has been eliminated from the state mandated curriculum;

**CJK 0242 Law Enforcement Auxiliary Investigations, CCD**

*Purpose:* This course has been eliminated from the state mandated curriculum;

**ARC 2501 Architectural Structures I, CCD**

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

**ARH 2051H Introduction to Art History II, CCD**

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

**ARH 2500 Non-Western Art History, CCD**

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

**BSC 1061 Central Florida Habitats, CCD**

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

**ORH 2220C Turf Grass Culture, CCD**

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

**ORH 2281C Introduction to Orchidology, CCD**

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

**PCB 1440H Florida Environmental Systems, CCD**

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

**PHI 2604 Medical Ethics and Critical Thinking, CCD**

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

**THE 1100 Intro to Theater History, CCD**

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

ETD 1100C Engineering Drawing, CCD

**Purpose:** Curriculum changes;

ETD 1320C Introduction to CADD, CCD

**Purpose:** Curriculum changes;

**CET 2792C Installing and Configuring Windows Server, CCM**

**Purpose:** Change the; **Revised Prerequisite:** CET 2178C and CET 2486C OR CTS 1131C and CTS 1134C;

**CET 2812C Microsoft SQL Server, CCD**

**Purpose:** Deletion of the Microsoft Specialization;

AMH 2070 History of Florida, CCD

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

**GLY 2100H Historical Geology-Honors, CCD**

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

**RMI 1201 Principles of Property and Liability Insurance, CCD**

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

**RMI 2110 Personal Insurance Planning, CCD**

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

**RMI 2213 Commercial Insurance, CCD**

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

**HSC 1230C Methods of Patient Care, CCD**

**Purpose:** Change course number to SON 1002C;

**MUC 2000 Composition and Songwriting, CCD**

**Purpose:** This course is being replaced by the same course, but adding the "C" suffix because of the lab component;

**Credit Program Additions**

**B. S. in Nursing, CPA**

**Purpose:** To cover critical shortage in nursing;

**Pre-Major, Biomedical Sciences, CPA**

**Purpose:** To develop a pathway for students interested in the B.S. degree in Biomedical Sciences at UCF who aim to seek admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy).

**Pre-Major, Health Sciences, CPA**

**Purpose:** To add a pre-major pathway for students interested in the B.S. Health Sciences degree program at UCF. UCF's Bachelor of Science degree in Health Sciences is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences;

**Biotechnology Laboratory Specialist TC, CPA**

**Purpose:** Addition of a Technical Certificate as part of the Biotechnology Laboratory Science Program;

**Pre-Major, Secondary Education, CPA**

**Purpose:** To create a pathway for students wishing to pursue a degree in secondary education;

**Transfer Plan-Food Science, CPA**

**Purpose:** To add an articulated pathway to UF within the SALSA Grant;

**A. A. in Musical Theatre, CPA**

**Purpose:** New program offering;

**A. S. in Residential Property Management, CPA**

**Purpose:** New program offering;

**Energy Management and Controls Technology, A. S., CPA**

**Purpose:** To address the Energy Management and Controls Technology industry needs within the Central Florida area;

**Social Entrepreneurship Specialist, T.C., CPA**

**Purpose:** Social entrepreneurship is a growing field of practice and study in which business practices are used innovatively in the creation of an enterprise which creates both wealth and social value. This technical certificate builds on the progress Valencia has made in offering social entrepreneurship educational opportunities;

**Criminal Justice-Law Enforcement Academy Track, A.S., CPA**

**Purpose:** Graduates of this program will earn their A.S. Degree in Criminal Justice and will also be prepared to become a sworn law enforcement officer in the state of Florida;

#### Vascular Sonography ATC, CPA

**Purpose:** Implementing new ATC for credentialed sonographers and echocardiographers;

#### Field Survey Technician Certificate, CPA

**Purpose:** The new certificate program for Field Civil Survey Technician will be a tremendous help in addressing our construction needs in Central Florida. The need for individuals with this unique skill set is continuing to increase, and Central Florida is feeling the effects of this growth. Valencia's new Field Survey certificate program will be very advantageous for our community. This program will enable Valencia to produce more qualified and skilled technicians that are needed to address the growing needs in this field due to the construction boom in our local community;

#### Cloud Computing Architecture, T.C., CPA

**Purpose:** Offer a technical certificate program in cloud computing to meet the industry demands for cloud computing architectures;

#### Linux Enterprise Server Administration, T.C., CPA

**Purpose:** Adding a technical certificate in Linux Server Administration that will be geared toward preparing the student for Red Hat Linux Certified System Administrator. (RHCSA);

#### Mobile Devices and Cloud Computing T.C., CPA

**Purpose:** On advice from the Valencia Advisory Council they suggested that we create a Mobile Device and Cloud Computing certificate within the Computer Information Technology degree. The FLDOE standard for the certificate is attached. This will give our students a competitive advantage when seeking employment;

#### Pre-Major Physical Education A.A., CPA

**Borglum Purpose:** To create a Pre-major for students wishing to pursue a degree in Education, Physical Education at UCF;

#### Criminal Justice Experiential Learning Program - Corrections Officer Track, A.S., CPA

**Purpose:** Implementing new A.S. degree tracks for currently employed, certified law enforcement officers and correctional officers;

#### Criminal Justice Experiential Learning Program- Law Enforcement Track, A.S., CPA

**Purpose:** Implementing new A.S. degree track for currently employed law enforcement officers;

#### Pre-Major in Criminal Justice, A.A., CPA

**Purpose:** To provide students an academic pathway for transfer to UCF's Criminal Justice program. In the catalog description for the CJ A.A. pre-major, under the heading for Associate of Arts Degree, the first sentence should state, This pre-major is designed for the student who plans to transfer to the University of Central Florida as a junior to complete a four-year Bachelor's degree in Criminal Justice;

#### A.S. in New Media Communication, CPA

**Purpose:** To meet industry demand and prepare students for entry-level new media communications roles;

**Social Media Communication Support T.C., CPA**

*Purpose:* Technical certificate earners will be able to provide support and assistance to Social Media Communications professionals;

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

*Purpose:* Adding new Sustainable Agriculture Specialization;

**Pre-Major Environmental Studies (UCF), CPA**

*Purpose:* To build a pathway to UCF in environmental studies;

**Credit Program Modification**

**Supervision and Management, B.A.S., CPM**

*Purpose:* Change of program name; **Revised Program Title:** Business and Organizational Leadership;

**Pre-Major, Health Sciences, CPM**

*Purpose:* Modify to comply with recent 2017 changes at UCF;

**Electronics Engineering Technology, A. S., CPM**

*Purpose:* Aligning outcomes. Update footnote wording;

**Laser and Photonics Technician, T. C., CPM**

*Purpose:* Aligning outcomes;

**Criminal Justice Institute - Auxiliary Law Enforcement Officer Career Certificate, CPM**

*Purpose:* State mandated change;

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

*Purpose:* Program currently does not align with FLDOE frameworks Standard 8.0 08.0 Install, configure, manage, deploy, monitor and troubleshoot Windows applications in a networked Windows environment. Addition of CET 2792C and 2793C courses will complete the alignment; also modified were the program elective hours from 14 to 8.

**Computer Programming Certificate, CPM**

*Purpose:* To align certificate outcomes with program outcomes;

**Computer Programming Specialist Certificate, CPM**

*Purpose:* To align certificate outcomes with program outcomes;

**Computer Information Technology Specialist Certificate, CPM**

*Purpose:* To align certificate outcomes with program outcomes;

**Accounting Applications Certificate, CPM**

**Purpose:** To align with changes in the state program outcomes and college level course outcomes;

**Accounting Operations Certificate, CPM**

**Purpose:** Changes are being made to align the certificate with the State of Florida Program Outcomes and Valencia program outcomes;

**Accounting Specialist Certificate, CPM**

**Purpose:** To align with State of Florida and Valencia program outcomes;

**Medical Office Administration, A.S., CPM**

**Purpose:** Change name from Medical Office Administration to Medical Administration as a result of the Annual Program Review. Change notes; **Revised Program Title:** Medical Administration, A.S.;

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

**Purpose:** I would like to change 2 general education courses to align with the Allied Health EMS program. I also want to change the program grade point requirement from a C or better to must maintain a 2.0 average at the end of each semester;

**Fire Science Technology, A.S., CPM**

**Purpose:** Changing our core courses to better serve our non-fire fighter students. Our program now has 70% of students who are not in the fire service, but has the desire to do so. This change in the program will provide additional options for these non-fire students to obtain the AS Fire Science Technology. The courses removed are geared toward incumbent firefighters and will be moved to electives. Change notes;

**Health Information Technology, A.S., CPM**

**Purpose:** Changes being made based on recommendations from accreditation agency. Change notes;

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

**Purpose:** Alignment with statewide curriculum frameworks and consolidation of overlapping learning outcomes;

**Restaurant and Food Service Management, A.S., CPM**

**Purpose:** Alignment with statewide curriculum frameworks and consolidation of overlapping learning outcomes; Change notes;

**Supervision and Management, B.A.S., CPM**

**Purpose:** Change of program name; **Revised Program Title:** Business and Organizational Leadership;

**Hospitality Security Specialist, T.C., CPA**

**Purpose:** This certificate is cross pollination between two degrees that have an area of complimentary intertwining. The goal is to create a certificate that can quickly provide an academic skill set needed by the security and hospitality industries. This certificate will be

particularly valuable to employers, as the Intro to Security Course will include the Security D License (beginning Fall 2018) which is required by the state for many security positions. Catalog notes: This is a new program that would be listed under CJ. But if the 9 credit hours include all the courses from both the Hospitality A.S. and the CJ A.S. degrees then it could be listed under both areas in the catalog. Dr. McDonald clarified that this would be a CJ program and should be listed under the CJ program for now. We have added the two hospitality courses as electives to the CJ AS degree program that is currently under revision;

**Building Construction Technology, A.S., CPM**

**Purpose:** Requested by industry members of the advisory council and Career and Workforce Education. Combining the 2 AS programs. typo added footnote \* for pre req on BCT 2770(;

**Revised Program Title:** Construction and Civil Engineering Technology;

**Cybersecurity Certificate, CPM**

**Purpose:** Deleting CET 2179C A+ Concepts (Software). Adding CNT 2417C Identity Security;

**Digital Forensics Certificate, CPM**

**Purpose:** Delete A+ Concepts Software CET 2179C. Add Identity Security CNT 2417C. Add Network Forensics and Incident Response CNT 2413C. Delete Ethical Hacking CET 2892C. Add restricted electives;

**A.S. in Network Engineering Technology, CPM**

**Purpose:** Adding new specialization in Cyber Forensics. Adding new specialization in Cloud Infrastructure Security. Deleting the Cisco Routing and Switching Specialization Deleting Microsoft Server Administration Specialization. Deleting A+ Concepts (Software). Adding Identity Security. Deleting Wireless Networks. Adding Red Hat Enterprise Linux. Deleting Speech. Adding Cybercrime Investigation. Adding Network Forensics and Incident Response. Adding New Student Experience. Requiring either 1 credit hour of Internship or CGS 2650;

**Computer Information Technology Analyst T.C., CPM**

**Purpose:** To align certificate outcomes with program outcomes;

**A.S. in Entertainment Design and Technology, CPM**

**Purpose:** This change is to make the program more flexible for our students in the Production Design Specialization. An alternative course, CGS 2650 Social Networking for Job Search will be made available as an alternative for the TPA 2942 Internship in Theater requirement. This is needed because a large number of students already have jobs in the industry and do not need an internship to help them find a job. The other change is to make TPA 2600 an alternative for the TPP 2300 Directing 1 course. Both courses train theatrical designers to break down and organize scripts, while looking for creative challenges involved in the production of the play, but some students have more interest in the management side of productions;

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

**Purpose:** Removing MAC 1105 and including PHY 1020

**Robotics and Mechatronics Technician Certificate, CPM**

**Purpose:** Aligning outcomes;

**Electronics Engineering Technology, A.S., CPM**

**Purpose:** Modify curriculum for general education and to create a pathway into the Bachelor of Science in Electrical and Computer Engineering Technology;

**ATC Magnetic Resonance Imaging, CPM**

**Purpose:** Revising the MRI curriculum to better meet the needs of students pursuing certification;

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

**Purpose:** Add additional elective choices. Add a new concentration in Vascular Sonography based on the Advanced Technical Certificate in Vascular Sonography;

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

**Purpose:** To align program outcomes for assessment;

**Network Administration Certificate, CPM**

**Purpose:** Deleting A+ Software CET 2179C. Deleting Configuring Advanced Windows Server CET 2794C. Deleting Electives. Adding Intro to Programming Concepts COP 1000C. Adding Identity Security CNT 2417C. Adding Computer Virtualization Technology CET 2544C;

**Network Infrastructure Certificate, CPM**

**Purpose:** Delete CET 2179C A+ Software. Add COP 1000C Introduction to Programming Concepts;

**Network Support Certificate, CPM**

**Purpose:** Delete A+ Software CET 2179C. Add Identity Security CNT2417C;

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

**Purpose:** (i) Adopting ABET ETAC PLOs (ii) Deleting 'Lasers and Photonics' concentration (iii) Moving CET 4367C (Microcontroller Devices) to the core courses since it is a common course between Electrical and Computer Systems concentration, the only two concentrations left now. (iv) Introducing two new courses under Computer Systems concentration. One course is a combination of two existing courses and the other course will fill in the void left due to this combination (v) Introducing a new course, EET 30XXC (Circuit Analysis I) in place of EET 1025C for AA track students under 'Technical Requirements' (vi) Replacing EET 2325C (RF Communication) with ETS 2542C (PLC) under 'Technical Requirements' (vii) Changing credit hours to all 'Advanced Technical Requirements' to 3 credits (viii) Adding 1 more credit hour to EET 3086C and EGN 3428 each due to the comprehensive nature of these courses. Note that total hours of the program will not change and they will still be 130. Increase of 2 hours is offset by decrease of two hours in 'Advanced technical requirements' (ix) Deleting list of 'Advanced Technical Electives' and replacing it with a general description;

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

**Purpose:** (i) Adopting ABET ETAC PLOs (ii) Deleting 'Lasers and Photonics' concentration (iii) Moving CET 4367C (Microcontroller Devices) to the core courses since it is a common course between Electrical and Computer Systems concentration, the only two concentrations left now. (iv) Introducing two new courses under Computer Systems concentration. One course is a combination of two existing courses and the other course will fill in the void left due to this combination (v) Changing credit hours to all 'Advanced Technical Requirements' to 3 credits (vi) Adding 1 more credit hour to EET 3086C and EGN 3428 each due to the comprehensive nature of these courses. Note that total hours of the program will not change and they will still be 130. Increase of 2 hours is offset by decrease of two hours in 'Advanced technical requirements' (vii) Deleting list of 'Advanced Technical Electives' and replacing it with a general description (viii) Trying to write Gen Ed requirements in a way that may be better understandable for students;

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

**Purpose:** Add SLS 1122, modify elective hours;

#### **Paramedic Technology Certificate, CPM**

**Purpose:** Course added to curriculum and hours changed to accommodate the addition;

#### **Graphic Design Production Certificate, CPM**

**Purpose:** We are noticing fewer students earning this technical certificate due to the inclusion of GRA 2141C Web Page Design as a requirement. This TC is meant to focus primarily on graphic design skills for the print environment, however, GRA 2141C requires quite a bit of web coding. Additionally, GRA 2141C has added a hidden prerequisite to the TC that also requires web coding skills. We are proposing the GRA 2141C Web Page Design requirement be replaced with GRA 2585C User Interface Design, which teaches similar fundamentals, but does not require students learn code;

#### **Digital Broadcast Production Certificate, CPM**

**Purpose:** Updating program outcomes. Typo edit adding \* to DIG 2822C;

#### **Digital Video Editing and Post-Production Certificate, CPM**

**Purpose:** Updating program outcomes;

#### **Digital Media Development Certificate, CPM**

**Purpose:** Update program outcomes. Typo edit adding \* to DIG 1108C;

#### **Digital Media Video Production Certificate, CPM**

**Purpose:** updating program outcomes;

#### **Digital Media Web Production Certificate, CPM**

**Purpose:** updated courses. typo adding \* to DIG 2941 and DIG 2500C;

#### **Digital Video Fundamentals Certificate, CPM**

**Purpose:** updating program outcomes;

**Webcast Technology Certificate, CPM**

*Purpose:* This optimizes the list of program level outcomes;

**Digital Media Technology, A. S., CPM**

*Purpose:* This optimizes the list of program level outcomes;

**Sound and Music Technology, A.S., CPM**

*Purpose:* Adds TPA 1380 Survey of Entertainment Technology to the list of required Foundation Courses, in order to satisfy the NSE requirements with this specialization. This change is necessary because EET 1214C Introduction to Engineering Technology no longer addresses the NSE outcomes. Replace notes section for each A.S. degree program Addition of new course (Introduction to Mastering) as required in the Sound Production track, and as elective in all other tracks; EET 2325C was changed to ETS 2542C.

**Pre-Major in Early Childhood Education, A.A., CPM**

*Purpose:* To update requirements based upon a conversation with Judith Levin from UCF, Molly McIntire, and Rhonda Atkinson, revise program title; **Revised Program Title:** Early Childhood Development and Education;

**Pre-Major in Elementary Education, A.A., CPM**

*Purpose:* To align the prerequisite courses to UCF's program changes for fall 2018;

**Pre-Major in Secondary Education, A.A., CPM**

*Purpose:* To align program to UCF changes for fall 2018;

**Articulated Pre-Major, Electrical and Computer Engineering Technology (Valencia College), A.A., CPM**

*Purpose:* 1) Deleting ETS 2220C from program to align with recent changes made to Bachelor of Science in ECET program. 2) Moving CET 2112C to Advanced Courses;

**Drafting Certificate, CPM**

*Purpose:* Corrected credit hours on Electro-mechanical Drafting; reordered list of foundation courses in Certificate. Typo corrections to add \* for ETD 1701C, 2614C, 2731C;

**Landscape and Horticultural Professional Certificate, CPM**

*Purpose:* Change the program name to align with AS degree; **Revised Program Title:** Plant Science Professional Certificate; **Effective Date:** Fall 2018 (201910).

**Landscape and Horticultural Specialist Certificate, CPM**

*Purpose:* Change the program name to align with AS degree; **Revised Program Title:** Plant Science Specialist Certificate;

**Landscape and Horticultural Technician Certificate, CPM**

**Purpose:** Change the program name to align with AS degree; **Revised Program Title:** Plant Science Technician Certificate;

### **Credit Program Deletions**

#### **Articulated Pre-Major, Information Technology (University of South Florida), CPD**

**Purpose:** This AA pre-major is based on an agreement with USF - Lakeland Campus. That campus has not existed since FL Polytechnic was created;

#### **Transit Technician I, CPD**

**Purpose:** Articulation agreement incomplete;

#### **Transit Technician II, CPD**

**Purpose:** Articulation agreement incomplete;

#### **Transit Technician III, CPD**

**Purpose:** Articulation agreement incomplete;

#### **Advanced Network Administration Certificate, CPD**

**Purpose:** The Microsoft Specialization will be deleted. The following courses will be deleted: CET 2810C, and CET 2812C;

#### **Advanced Network Infrastructure Certificate, CPD**

**Purpose:** Program updates to meet current industry needs;

#### **Webcast Media Certificate, CPD**

**Purpose:** The TC is a duplicate of Digital Media Fundamentals;

#### **A.S. in Civil/Surveying Engineering Technology, CPD**

**Purpose:** Combined with the Building Construction program to provide one program entitled Construction and Civil Engineering Technology;

### **Information Items**

- **CCC Co-Chair:** Raul Valery was selected as the new co-chair of the College Curriculum Committee.
- **FFP 1612 and FFP 1793** were submitted in 2015 with contact hours listed as: 48. There was an error and the contact hours for both courses were changed to: 3.
- The course changes submitted in March 2017 for RET 2244 and RET 2714 will be effective for Spring 2019 instead of Spring 2018 as requested.
- Editorial Change: Removed the co-requisite of CVT 1270 from CVT 1841L as the CVT 1270 course never listed CVT 1841L as a co-requisite since its inception in 2005.

- Editorial Change: After receiving many concerns about the humanities requirement for A.S. degree students, the deans were having to determine how to award credit for non-core humanities courses. Nasser and the A.S. deans were comfortable with adding the institutional hours as an option to the core for the humanities requirement in the following A.S. programs:

Accounting  
 Construction and Civil Engineering  
 Baking and Pastry Management  
 Business Administration  
 Criminal Justice Experiential Tracks (both)  
 Criminal Justice (Articulated)  
 Culinary Management  
 Drafting and Design Technology  
 Dental Hygiene  
 Digital Media  
 Electronics Engineering  
 Hospitality and Tourism Management (Career Path not AS to BS)  
 Supervision and Management  
 Plant Science and Agriculture Technology  
 Medical Administration  
 Nursing (Accelerated and Articulated)  
 Network Engineering  
 Office Administration  
 Paralegal Studies  
 Radiography  
 Restaurant and Food Services Management (Career Path not Articulated)

Therefore the changes were made in the 2018-2019 catalog, with the exception of programs that had specified a humanities course, and for the "Articulated Pathways" in Hospitality and Restaurant Management, where Valencia's agreement with UCF was specific to the core classes in those two agreements.

- Editorial Change: The Building Construction Specialist Technical Certificate was renamed to Construction Specialist Technical Certificate.
- Editorial Change: The prerequisites for the following courses were changed to reflect the approved renaming of the B.A.S. degree in Supervision and Management to B.A.S. degree in Business and Organizational Leadership: ACG 3024, FIN 3402, GEB 3213, GEB 4891, MAN 3240, MAN 3353, MAN 4162, MAN 4301, and MAR 3023.
- Catalog Deletion: Removing the Aviation Management agreement from the catalog, because as of the time of the catalog going to publication the agreement was unsigned.
- CUD-A Code Assignments:

-CJK 0023, CJK 0024, CJK 0025, CJK 0026, CJK 0027, CJK 0028, CJK 0029-12702-  
Public  
Service - PSAV

-ETM 1600C, ETM 1601C, ETM 1602C, ETM 1603C, ETM 1604C, ETM  
1605C, ETM 2942,  
ETM 2943-12601-Industrial - PSV

-HUM 2380-11849-Interdisciplinary - AP

Professions - AP  
-SON 3172C, SON 3173, SON 4174, SON 3806L, SON 4816L-11112Health

-BCN 1303C-12601 Industrial - PSV

-ETD 1103C-12601 Industrial - PSV

-CNT 2413C, CNT 2414C, CNT 2417C, CNT 2426C-12601 Industrial - PSV

-CTS 2322C, CTS 2144C, CTS 2145C-12501 Business - PSV

-RTE 3593C-11112 Health Professions – AP

-AOM 1461C- 12101 Agriculture - PSV

-CCJ 2942, CCJ 2943, CCJ 2944- 12701 Public Service - PSV

-CET 4370C, CET 4542- 11109 Engineering - AP

-DIG 2180C, DIG 2562C, DIG 2564C- 11210 Fine and Applied Arts - AP

-EET 3081C- 11109 Engineering - AP

-EMS 2522- 12301 Health Occupations - PSV

-FAS 2010C-12101 Agriculture - PSV

-HOS 2005C-12101 Agriculture - PSV

-PLS 2402C-12101 Agriculture - PSV

-MGF 1106H-11617 Mathematics - AP

-MMC 2122, MMC 2212, MMC 2450-11806 Communications - AP

-MUM 2645L-12601 Industrial - PS

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

**Science**

**HUN 1201 The Science of Nutrition**

***Purpose:*** To opt into Gen. Ed.;

*HUN 1201 was voted into Science General Education with 17 yay votes, 0 nay votes, and 2 abstentions.*