



May 9, 2024

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

**FROM:** DR. KATHLEEN PLINSKE  
President

**RE:** 2024-2025 COLLEGE CATALOG

The President recommends that the District Board of Trustees of Valencia College approve the catalog changes (between the 2023-2024 and 2024-2025 catalogs), as attached.

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

**RECOMMENDED ACTION:**

The President recommends that the District Board of Trustees of Valencia College approve the 2024-2025 College Catalog, as presented.

  
\_\_\_\_\_  
President

# 2024-2025 CATALOG

SUMMARY OF SUBSTANTIVE EDITORIAL & CURRICULUM CHANGES

**SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25**

| CATALOG SECTION                                   | CHANGES IN THAT SECTION  |
|---|--|
| <a href="#">CATALOG LANDING PAGE</a>              | <ul style="list-style-type: none"> <li>Updated School of Public Safety to School of Public Service and Legal Studies</li> </ul>  |
| <a href="#">ABOUT VALENCIA COLLEGE</a>            | <ul style="list-style-type: none"> <li>No changes</li> </ul>   |
| <a href="#">DEGREE &amp; CERTIFICATE PROGRAMS</a> | <ul style="list-style-type: none"> <li>Updated General Education Requirements as follows:</li> <li>Remove MGF 1106 from Mathematics Core</li> <li>Remove MGF 1107 from Mathematics Core</li> <li>Add MGF 1130 Mathematical Thinking to Core* (will be equivalent to MGF 1106 for grade forgiveness)</li> <li>Add MGF 1131 Mathematics in Context to Institutional* (will be equivalent to MGF 1107 for grade forgiveness)</li> <li>Move GLY 2010C from Institutional to Core*</li> <li>Move OCE 1001 from Institutional to Core*</li> <li>Add AMH 2010 to Social Science Core* (has not yet been approved to satisfy Civic Literacy requirement)</li> <li>Move SYG 2000 from Social Science Core to Institutional* (ENC 1101 added as a prerequisite as SYG 2000 will now satisfy Gordon Rule)</li> <li><b><i>*These courses will be in Core or Institutional based on when the student takes the class; catalog year will not apply</i></b></li> <li>Added the BAS Public Safety Administration</li> <li>Modified BAS Business and Organizational Leadership to add Human Resources Management concentration</li> <li>Modified BAS Computing Technology and Software Development to add a Cloud Computing concentration</li> <li>Modified BS Electrical and Computing Engineering Technology admission requirements</li> <li>Modified AS Science, Technology, Engineering and Math entry to add Photonic Science and Engineering Specialization (working on an articulation agreement to this track)</li> <li>Added a Health Navigator – Surgical Technology AS</li> <li>Added a Human Resource Management Advanced Technical Certificate</li> <li>Added a Chocolate and Confectionary Arts Advanced Technical Certificate</li> <li>Revise Bachelor Degrees entry to include grade forgiveness cannot apply to a course in which an S+ was earned</li> <li>Deleted Veterinary Technology program</li> </ul> |
| <a href="#">COURSE DESCRIPTIONS</a>               | <ul style="list-style-type: none"> <li>Added CAI prefix – Computing: Artificial Intelligence</li> </ul>  |
| <a href="#">IMPORTANT DATES &amp; DEADLINES</a>   | <ul style="list-style-type: none"> <li>No changes</li> </ul>   |
| <a href="#">CAMPUSES</a>                          | <ul style="list-style-type: none"> <li>Updated School of Public Safety to School of Public Service and Legal Studies</li> </ul>  |
| <a href="#">BOARD OF TRUSTEES</a>                 | <ul style="list-style-type: none"> <li>No changes</li> </ul>   |

**SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25**

|  |  |
|--|--|
| <p><b>ADMISSIONS</b></p>                       | <ul style="list-style-type: none"> <li>• Updated the dual enrollment application process and program details, procedures to reflect the new process and steps for graduating high school seniors registering for summer/fall classes as well as matriculating to Valencia after high school graduation.</li> <li>• Updated International Student Admissions entry to add F-1 visa to the bank statement requirement; added a note that some programs are excluded for F-1 visa holders as they are primarily online</li> </ul>   |
| <p><b>RECORDS</b></p>                          | <ul style="list-style-type: none"> <li>• No changes</li> </ul>   |
| <p><b>REGISTRATION</b></p>                     | <ul style="list-style-type: none"> <li>• Removed statement that non-degree-seeking students must register after New Student Registration begins</li> </ul>   |
| <p><b>FINANCIAL INFORMATION &amp; FEES</b></p> | <ul style="list-style-type: none"> <li>• Edited Collection of Debts entry to remove a hold on releasing grades and processing of an official transcript</li> <li>• Revised Estimated Expenses entry to remove application fee from CJJ and Fire Fighter programs</li> </ul>  |
| <p><b>FINANCIAL AID</b></p>                    | <ul style="list-style-type: none"> <li>• Revised Application Instructions to include a homeschool affidavit as</li> <li>• Revised Deadline and Satisfactory Academic Progress entries with updated dates</li> <li>• Simplified Payment of Financial Aid to note the maximum allotment is based on full-time enrollment (12 or more credits) and will be prorated if you are enrolled in less than 12 credits.</li> <li>• Updated Pell Grant entry noting a maximum award of \$6,685</li> <li>• Edited Scholarships entry to note Seneff Honors College deadlines are set by the Honors Department; revised Mayor Richard T. Crotty Transfer Scholarship to note it is for students planning to attend UCF in the Fall along with a \$5000 award amount</li> <li>• Revised Veterans entry to include an entry noting we cannot participate in any commission or recruitment tactics to enroll veteran students; edited C.W. Bill Young tuition waiver entry with updated link; noted students are encouraged to contact their Educational Services Officer before enrolling and add a Business Office contact person</li> <li>• Revised Work Study Programs to note \$14 minimum pay along with application instructions</li> </ul> |
| <p><b>STUDENT AND CAMPUS SERVICES</b></p>      | <ul style="list-style-type: none"> <li>• Edited Answer Center entry to provide clarity regarding service provided</li> <li>• Revised Campus Store entry with new information about how to purchase instructional materials online and forms of payment accepted</li> <li>• Revise Equal Opportunity and Diversity entry with updated Notice of Non-Discrimination info and policy title, department contacts, and availability</li> </ul>  |

**SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25**

|  |  |
|--|--|
|  | <ul style="list-style-type: none"> <li>• Updated Parking entry to revise process of vehicle registration needs and office hours</li> <li>• Updated Prayer Space entry with new Downtown Campus room information</li> </ul>   |
| <b>ENTRY TESTING &amp; PLACEMENT AND MANDATORY COURSES</b> | <ul style="list-style-type: none"> <li>• Revised Testing/Placement Charts entry with new Math Pathway information (MGF 1130 and MGF 1131 additions; revise Statistics placement); updated new Math Pathways flow chart</li> </ul>  |
| <b>DISTANCE LEARNING</b>                                   | <ul style="list-style-type: none"> <li>• No changes</li> </ul>   |
| <b>ALTERNATIVE WAYS TO EARN CREDIT</b>                     | <ul style="list-style-type: none"> <li>• No changes</li> </ul>   |
| <b>ACADEMIC POLICIES &amp; PROCEDURES</b>                  | <ul style="list-style-type: none"> <li>• Revised Academic Honors entry with updated link</li> </ul>  |
| <b>EDUCATIONAL ENHANCEMENT OPPORTUNITIES</b>               | <ul style="list-style-type: none"> <li>• Added Global Distinction entry</li> <li>• Updated the dual enrollment application process and program details, the new process and steps for graduating high school seniors registering for summer/fall classes as well as matriculating to Valencia after high school graduation.</li> <li>• Updated Additional Educational Opportunities to remove International/Intercultural Education entry</li> </ul> |
| <b>TEACHER PREPARATION &amp; RECERTIFICATION</b>           | <ul style="list-style-type: none"> <li>• Created 2 tracks: with reading endorsement and without reading endorsement</li> </ul>   |
| <b>SENEFF HONORS COLLEGE</b>                               | <ul style="list-style-type: none"> <li>• Updated Honors courses offered</li> </ul>   |
| <b>RESOLUTION OF STUDENT ISSUES</b>                        | <ul style="list-style-type: none"> <li>• Updated chart with new reporting structures</li> </ul>  |
| <b>CONTINUING EDUCATION</b>                                | <ul style="list-style-type: none"> <li>• No changes</li> </ul>   |
| <b>DRUG FREE SCHOOLS &amp; COMMUNITIES ACT</b>             | <ul style="list-style-type: none"> <li>• No changes</li> </ul>   |
| <b>GLOSSARY</b>  | <ul style="list-style-type: none"> <li>• No changes</li> </ul>   |
| <b>CATALOG ARCHIVES</b>                                    | <ul style="list-style-type: none"> <li>• Edited to add 2023-24 catalog (coming soon)</li> </ul>  |

May 2023 - February 2024 College Curriculum Committee Summary of Changes for Courses and Programs  
(Additions, Modifications, and Deletions; Field Review Changes and Information Items)

**CREDIT COURSE ADDITIONS**

**ANT 2410H Cultural Anthropology Honors, CCA**

**Purpose:** The course is now Gen Ed and having an honors section gives students more choices.; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in ENC 1101 or ENC 1101H or IDH 1110; **Co-requisites:** None; **Catalog Course Description:** Same as ANT 2410 with honors content. This is a Gordon Rule course in which the student is required to demonstrate college-level writing skills through multiple writing assignments. Minimum grade of C is required in ANT 2410H to satisfy Gordon Rule and general education requirements. Honors program permission required; **Effective Date:** Fall 2023 (202410).

**HSA 2930 Selected Topics in Health Services Admin., CCA**

**Purpose:** For a study abroad program to Costa Rica to compare the Healthcare Delivery Systems as well as for Study Abroad programs in Health Services Administration through the Health Navigator program; **Credit/Contact/Lab Hours:** 1-3/1-3/0; **Prerequisites:** Departmental approval; **Co-requisites:** None; **Catalog Course Description:** Selected topics in Health Services Administration based on the needs and areas of interest of the class and professor. May include laboratory and/or field work as part of the class. May be repeated for up to 3 hours of credit, but grade forgiveness cannot be applied. Shooting, image editing, and desk top printing are covered. Requires a digital, manual SLR camera. Paper will be the student's responsibility; **Effective Date:** Spring 2024 (202420).

**SYG 2010H Social Problems, CCA**

**Purpose:** Creating an honors section of SYG 2010 allows us to extend this course to honors students. The course is now gen ed and having an honors section will give students more choices; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in ENC 1101 or ENC 1101H or IDH 1110; **Co-requisites:** None; **Catalog Course Description:** Same as SYG 2010 with honors content. Minimum grade C required if SYG 2010 is used to satisfy Gordon Rule requirements. Honors program permission required; **Effective Date:** Fall 2023 (202410).

**DSC 3243 Industrial Security, CCA**

**Purpose:** This is an elective course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Admission to the B.A.S degree in Public Safety Administration or approval from the program chair; **Co-requisites:** None; **Catalog Course Description:** This course explores the essentials of industrial security including global transportation systems in railroads, seaports, and airports. The course will examine an All-Hazards Approach to threats to the U.S. Critical infrastructure. Students will examine private and public safety organizations and the role each plays in deterring, preventing, and responding to natural and man-made hazards; **Effective Date:** Summer 2024 (202430).

**FES 3003 Fire and Emergency Service Administration, CCA**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** This is an elective course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** FFP 2780 or departmental approval; **Co-requisites:** None; **Catalog Course Description:** An in-depth review of the principles of organization and administration in fire protection service; the structure and function of the department, battalion, and company as components of a municipal organization; duties and responsibilities of the fire officer; a study of fire personnel management, training, budgeting, records, reports, and other relations; **Effective Date:** Summer 2024 (202430).

### **PAD 3003 Introduction to Public Administration, CCA**

**Purpose:** Required course in BAS in Public Safety Administration program; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course provides a foundation to students for understanding administration in the public sector. Among the themes, issues, structures, and various theories of administration that guide public supervisors, managers and leaders, the students will explore several components and core functions of public administration such as personnel management, budgeting, policy, regulation, laws, relations, and culture. It is recommended that this course be taken during the first semester in the program; **Effective Date:** Summer 2024 (202430).

### **PAD 3034 Public Policy, CCA**

**Purpose:** Required course in BAS in Public Safety Administration program; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** PAD 3040; **Co-requisites:** None; **Catalog Course Description:** This course is designed to provide students with a broad perspective of the public policy process. Students will learn how public policies are initiated, researched, delivered, implemented, and analyzed. The course will focus on the impact that the political, economic, cultural, and bureaucratic context has on policymaking process and outcomes. The course will emphasize agenda setting, program design, and implementation; **Effective Date:** Summer 2024 (202430).

### **PAD 3040 Ethics and Values in Public Administration, CCA**

**Purpose:** Required course in BAS in Public Safety Administration program; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students will learn the ethical dimensions of Public Administration and develop the awareness, skills, and value framework to act professional and ethically across a range of challenges and conflicts. Case studies will be presented throughout the course to allow students to apply theory to practice in the solving of real-world problems in the areas of public safety administration; **Effective Date:** Summer 2024 (202430).

### **PAD 3113 Leadership and Management in Public Safety Administration, CCA**

**Purpose:** Required course in BAS in Public Safety Administration program; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Students will understand the role of the contemporary public safety executive, with an emphasis on basic leadership skill development as it relates to the core aspects of management practice; **Effective Date:** Summer 2024 (202430).

### **PAD 3821 Contemporary Issues in Public Safety, CCA**

**Purpose:** This is an elective course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** Admission to the B.A.S degree in Public Safety Administration or departmental approval; **Co-requisites:** None; **Catalog Course Description:** This course is an introduction to issues related to an area of legal, political, or social management that is not given in-depth coverage in other courses. Specialized topics and course content vary by

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

semester, instructor, and section. Students should refer to the class schedule for specific course content each semester. This course, in different content areas, may be repeated for credit; **Effective Date:** Summer 2024 (202430).

### **PAD 3874                      Community Relations: Theory and Practice, CCA**

**Purpose:** This is an elective course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** Admission to the B.A.S degree in Public Safety Administration or departmental approval and PAD 3040;  
**Co-requisites:** None; **Catalog Course Description:** This course will expose the student to community relations theory and practice within a broad range of public safety organizations. Students will understand why positive community perception of public safety is critical to funding and operational effectiveness. The students will explore the public safety responsibility in establishing business continuity both in preplanning and following a disaster. Each student will gain the insight and skills necessary to be effective in the community relations function of public safety administration; **Effective Date:** Summer 2024 (202430).

### **PAD 3940                      Internship Exploration/Practicum in Public Safety Administration, CCA**

**Purpose:** This is an elective course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 1-3/1-3/0;  
**Prerequisites:** 15 credits of Public Safety Administration core courses and departmental approval; **Co-requisites:** None;  
**Catalog Course Description:** This course is a planned work-based experience that allows students to observe/participate in practical workplace application of classroom theory and to assist in confirming their educational plans. In addition, the student will learn ethical and procedural requirements of observation within a public safety setting. Each earned credit of Internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for up to 3 credits, but grade forgiveness cannot be applied; **Effective Date:** Summer 2024 (202430).

### **PAD 4089                      National Incident Management, CCA**

**Purpose:** This is an elective course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** Admission to the B.A.S degree in Public Safety Administration or Departmental approval; **Co-requisites:** None; **Catalog Course Description:** This course will examine effective management techniques required for coordination between state, local, and private sector entities during disasters and emergencies. This course introduces the concepts of the Incident Command System (ICS), the National Incident Management System (NIMS), and the National Responses Framework (NRF). It will show how ICS, NIMS, and the NRF provide a template for responsible agencies to work together to prevent or respond to threats and incidents regardless of cause, size, or complexity. The student will have the opportunity to complete NIMS-compliant self-study courses via FEMA and the Emergency Management Institute; **Effective Date:** Summer 2024 (202430).

### **PAD 4232                      Grant Administration and Resource Development, CCA**

**Purpose:** This is an elective course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** Admission to the B.A.S degree in Public Safety Administration or departmental approval; **Co-requisites:** None; **Catalog Course Description:** This course explores the public budgetary, financial management and the grant writing process in public safety organizations. The course includes establishing goals and objectives, formulating strategies, creating a proposal summary and key components to a successful grant; **Effective Date:** Summer 2024 (202430).

### **PAD 4332                      Strategic and Organizational Planning, CCA**



## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Required course in BAS in Public Safety Administration program; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course is an examination of strategic planning in public organizations. The student will learn how strategic planning can guide and strengthen the effectiveness of an organization's performance by using information to design and improve services. The steps to a strategic planning process are introduced as an effective planning approach to accomplish strategic and operational planning in public organizations; **Effective Date:** Summer 2024 (202430).

### **PAD 4414                      Public Personnel Administration, CCA**

**Purpose:** Required course in new BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Case studies will be presented throughout the course to allow students to apply theory to practice in the solving of real-world problems in the areas of public safety administration; **Effective Date:** Summer 2024 (202430).

### **PAD 4723                      Applied Research Methods for Policy and Management, CCA**

**Purpose:** This is a new, Core course in the BAS in Public Safety Administration; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Admission to the B.A.S degree in Public Safety Administration or departmental approval, and a minimum grade of C in PAD 3003, PAD 3034, and PAD 3040; **Co-requisites:** None; **Catalog Course Description:** This course provides an overview and application of qualitative and quantitative decision-making methods for public safety management. The course includes research design, ethical considerations, research management techniques and application to public policy; **Effective Date:** Summer 2024 (202430).

### **PAD 4878                      Public Safety Administration: Capstone, CCA**

**Purpose:** This is a new, Core course in the BAS in Public Safety Administration program; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Admission to the B.A.S degree in Public Safety Administration or departmental approval, and a minimum grade of C in PAD 3003, PAD 3034, PAD 3040, PAD 3113, PAD 4414 and PAD 4723; **Co-requisites:** PAD 3113, PAD 4414; **Catalog Course Description:** The Capstone course is designed to integrate and synthesize the entire course of study in the Bachelor of Applied Science of Public Safety Administration program. Students will demonstrate knowledge of theory and practice of Public Safety Administration; **Effective Date:** Summer 2024 (202430).

### **PAD 4931                      Selected Topics in Public Safety Admin., CCA**

**Purpose:** Elective in new BAS in Public Safety Administration program; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** For students interested in exploring further special public safety administration topics through research, discussions, and observations. Topics selected from areas of criminal justice, industrial security, hospitality security, homeland security, fire, and emergency management. Students may earn from one to three hours of credit each time course is offered. May be repeated for credit up to 6 credits, provided a different topic explored each time, but grade forgiveness cannot be applied; **Effective Date:** Summer 2024 (202430).

### **ARH 1000H                      Art Appreciation-Honors, CCA**

**Purpose:** The honors college requested this course be added to increase their humanities offerings; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Honors Program permission required; **Co-requisites:** None; **Catalog Course Description:** Same as ARH 1000 with honors content. Honors program permission required; **Effective Date:** Spring 2024 (202420).

### **MAC 1114H                      College Trigonometry-Honors, CCA**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Honors has asked that MAC 1114H be added to the catalog so it can be offered in Spring to expand mathematics offerings in the honors college; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in MAC 1105 or appropriate score on an approved assessment; **Co-requisites:** None; **Catalog Course Description:** Same as MAC 1114 with Honors content. Honors program permission required **Effective Date:** Spring 2024 (202420)

### **GRA 2108C                      Design Studio, CCA**

**Purpose:** This course is currently being offered as a Selected Topics course and will be offered for the 3rd consecutive semester this Fall. Additionally, this course involves a lab component, which the Selected Topics format doesn't allow for. We are suggesting a course number that aligns with a Practicum (because the course involves real clients/projects and because the course can be substituted for the internship requirement), however, are flexible with what the state recommends as a course number. The course description for this CCA was slightly modified from the original outline to take into consideration the comments made by the voting faculty/dean; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** Minimum grade of C in either GRA 1206C or GRA 2133C; **Co-requisites:** None; **Catalog Course Description:** This course provides students with practical graphic and interactive design projects for internal and external clients. Students will gain exposure to real-world design studio scenarios for solving design problems, while gaining valuable communication, workflow, and collaborative design workplace skills. Regular team meetings and collaborations are a key component to this course. This course meets the requirements of a Graphic's Elective. Graphics majors who have already taken their Graphic's Elective may request to use this course credit in place of their required internship; **Effective Date:** Fall 2024 (202510).

### **MGF 1130                      Mathematical Thinking, CCA**

**Purpose:** State of Florida changes to General Education & Math Pathways requirements; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Through this course, students will explore mathematics utilizing multiple means of problem-solving. The course is designed to teach students to think critically and increase their problem-solving ability through practical applications such as logic, geometry, conversions, personal finance, and data analysis. This course is appropriate for students in a wide range of disciplines/programs; **Effective Date:** Fall 2024 (202510).

### **BSC 2093H                      Human Anatomy and Physiology I-Honors, CCA**

**Purpose:** Student interest in honors section; **Credit/Contact/Lab Hours:** 4/6/3; **Prerequisites:** Same as BSC 2093C **Co-requisites:** None; **Catalog Course Description:** Same as BSC 2093C with Honors content. Honors Program permission required. **Effective Date:** Spring 2024 (202420).

### **MGF 1131                      Mathematics in Context, CCA**

**Purpose:** State of Florida changes to General Education & Math Pathways requirements; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Through this course, students will explore practical applications of mathematics in a variety of contextual situations. The course is designed for a wide range of disciplines/programs by engaging students in topics such as data modeling, personal finance, statistics, probability and counting methods; **Effective Date:** Fall 2024 (202510).

### **MAC 1105L                      College Algebra Corequisite Support Lab, CCA**

**Purpose:** To allow students to self-register for MAC 1105 and MAC 1105L. Currently, on West Campus (and other campuses), we are already doing a corequisite College Algebra. On West, the students pay for a three credit hour course,

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

but they take College Algebra with a linked lab which is worth five contact hours. They know up front that the class meets for two hours and fifteen minutes, and they are with their professor for that entire time. Right now, must register for this corequisite course by going through an advisor or contacting the math department office. There are many obstacles here. By creating MAC 1105L, the corequisite will be a College Algebra course with a linked lab that will allow students to self-enroll. By voting on this right now (this fall), we will be able to get this into place for Fall of 2024. All this does is change what we are doing so the students can self-enroll; **Credit/Contact/Lab Hours:** 0/2/2; **Prerequisites:** MAC 1105; **Co-requisites:** MAC 1105; **Catalog Course Description:** Corequisite support for MAC 1105; **Effective Date:** Fall 2024 (202510).

### **FSS 2020C                      Mold Making and Elements of Design, CCA**

**Purpose:** Creating a new ATC- Advanced Technical Certificate in Chocolates and Confectionary Arts. This is in addition to our other Baking and Pastry degree offerings; **Credit/Contact/Lab Hours:** 3/6/5; **Prerequisites:** An AS, or AAS, degree in Pastry Baking or an equivalent of two years in the industry; **Co-requisites:** None; **Catalog Course Description:** Learn the Art of Design and producing food grade molds to execute your designs. Create re-usable molds out of food grade materials In-depth instructions on how to make your own molds with our high quality mold making materials. Work with products that can be used to thicken thin objects before mold making and also to back irregularly shaped objects. Utilize non-toxic mixtures that help resolve certain problems that may arise in the mold making process; **Effective Date:** Spring 2024 (202420).

### **FSS 2021C                      Sugar Sculpting and Modelling, CCA**

**Purpose:** Creating a new ATC- Advanced Technical Certificate in Chocolates and Confectionary Arts. This is in addition to our other Baking and Pastry degree offerings; **Credit/Contact/Lab Hours:** 3/6/5; **Prerequisites:** An AS, or AAS, degree in Pastry Baking or an equivalent of two years in the industry; **Co-requisites:** None; **Catalog Course Description:** Master the use of modelling pastes, gum paste, and sugar clay as you create three-dimensional figures to complement any occasion. Learn to construct lively, colorful characters and accent pieces as you practice sculpting and modelling techniques to complete your final design; **Effective Date:** Spring 2024 (202420).

### **FSS 2023C                      Advanced Sculpting and Model Work, CCA**

**Purpose:** Creating a new ATC- Advanced Technical Certificate in Chocolates and Confectionary Arts. This is in addition to our other Baking and Pastry degree offerings; **Credit/Contact/Lab Hours:** 3/6/5; **Prerequisites:** An AS, or AAS, degree in Pastry Baking or an equivalent of two years in the industry; **Co-requisites:** None; **Catalog Course Description:** This class will enhance your strengths and weaknesses in the proper structural techniques to build a centerpiece of chocolate, sugar, or dead dough, that will sustain the elements and gravity; **Effective Date:** Spring 2024 (202420).

### **FSS 2292C                      Pralines and Confections, CCA**

**Purpose:** Creating a new ATC- Advanced Technical Certificate in Chocolates and Confectionary Arts. This is in addition to our other Baking and Pastry degree offerings; **Credit/Contact/Lab Hours:** 3/6/5; **Prerequisites:** An AS, or AAS, degree in Pastry Baking or an equivalent of two years in the industry; **Co-requisites:** None; **Catalog Course Description:** Produce an assortment of Classic, Modern, and Advanced Pralines and Bon-Bon's Learn the elements to produce Crystalline and Non-Crystalline confections Produce Aerated Confections and Nougats Prepare Bars, Barks, and Brittles; **Effective Date:** Spring 2024 (202420).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

FSS 2299C

### Chocolate Theory and the Art of Tempering, CCA

**Purpose:** Creating a new ATC- Advanced Technical Certificate in Chocolates and Confectionary Arts. This is in addition to our other Baking and Pastry degree offerings; **Credit/Contact/Lab Hours:** 3/6/5; **Prerequisites:** An AS, or AAS, degree in Pastry Baking or an equivalent of two years in the industry; **Co-requisites:** None; **Catalog Course Description:** Learn the science behind the production of chocolate, from bean to bar. Learn about cocoa farming, bean processing, chocolate manufacturing and the infinite applications of chocolate. Through critical tasting, develop your understanding of different cocoa beans and styles. Proper tempering techniques; **Effective Date:** Spring 2024 (202420).

FSS 2752C

### Chocolate Showpieces, Sculpting, and Modeling Work, CCA

**Purpose:** Creating a new ATC- Advanced Technical Certificate in Chocolates and Confectionary Arts. This is in addition to our other Baking and Pastry degree offerings; **Credit/Contact/Lab Hours:** 3/6/5; **Prerequisites:** An AS, or AAS, degree in Pastry Baking or an equivalent of two years in the industry; **Co-requisites:** None; **Catalog Course Description:** Chocolate Showpieces course builds on your fundamental chocolate skills and techniques while helping you develop the knowledge and abilities required to create striking chocolate showpieces. Learn to design and create decorative chocolate presentations that are both structurally sound and eye-catching; **Effective Date:** Spring 2024 (202420).

LAE 4314

### Teaching Language Arts, CCA

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in RED 4352 or department approval or department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for prospective teachers and teachers in Elementary Education K-6 English language arts. It focuses on integrating the skills of reading, writing, listening, and speaking in elementary school, including direct writing instruction. This course addresses Elementary Education K-6 pedagogical content knowledge for teaching the strands in the Florida Standards for English Language Arts and the Elementary Education K-6 Florida Teacher Certification Examination competencies in English Language Arts; **Effective Date:** Fall 2024 (202510).

MAE 3310

### Teaching Mathematics I, CCA

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grad of C in RED 3042 and passing scores on all four subtests of the Florida Teacher Certification General Knowledge Test; or department approval. **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for prospective teachers and teachers in Elementary Education K-6 mathematics. It focuses on the strands in the Florida Standards for Mathematics: number sense and operations, algebraic reasoning, measurement, fractions, geometric reasoning, and data analysis and probability. This course addresses elementary education pedagogical content knowledge for teaching the Florida Standards for math and the Elementary Education K-6 Florida Teacher Certification Examination competencies in math; **Effective Date:** Fall 2024 (202510).

MAE 4311

### Teaching Mathematics II, CCA

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** Minimum grade of C in MAE 3310 or department approval. **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for prospective teachers and teachers in Elementary Education K-6 mathematics. Application of the standards and curriculum in elementary school mathematics K- 6 with emphasis on the content knowledge and pedagogical skills needed to provide a variety of developmentally and conceptually appropriate learning experiences for elementary school children. This course addresses elementary pedagogical content knowledge for teaching the strands in the Florida Standards for Mathematics and the Elementary Education K-6 Florida Teacher Certification Examination competencies in mathematics and includes a 15-hour field experience; **Effective Date:** Fall 2024 (202510).

### EDE 4943 Student Teaching in Elementary Education, CCA

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 9/9/0;  
**Prerequisites:** Minimum grade of C in Elementary Education BS courses and a cumulative GPA of 2.5 or better and passing scores for the Florida Teacher Certification Examination Professional Education Test and the Elementary Education K-6 subject area examination and department approval; **Co-requisites:** RED 4941 and EDE 4936; **Catalog Course Description:** This 9-credit course requires a prospective teacher candidate to demonstrate pre-professional FEAP and Elementary Education, Reading, and ESOL competencies during a 12 week (or 60 days), full-time internship, under the supervision of a clinical educator certified as an Elementary Education K-6 classroom teacher, in a public school approved by the department and the school district. A minimum of 35 contact hours per week are required for 12 weeks (or 60 days). Supervising district teachers and Valencia College faculty observe the intern and provide feedback on their performance. To be eligible to enroll in EDF 4943, students must pass all three (3) components of the Florida Teacher Certification Exam. This is a companion course to EDE 4936 and RED 4941. Department approval is required; **Effective Date:** Fall 2024 (202510).

### EDE 4936 Seminar in Elementary Education, CCA

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** Minimum grades of C in Elementary Education BS courses and a cumulative GPA of 2.5 or better and passing scores for the Florida Teacher Certification Examination Professional Education Test and the Elementary Education K-6 subject area examination and department approval. **Co-requisites:** EDE 4943 and RED 4941; **Catalog Course Description:** The senior seminar is a companion course to EDE 4943 and RED 4941. It provides the teacher candidate with an opportunity to examine and explore topics related to student teaching field experiences in a K-6 classroom. The seminar-style sessions promote collegial discussion of professional practices while providing a platform for support and encouragement during the transition from teacher candidate to educator; **Effective Date:** Fall 2024 (202510).

### RED 4352 Differentiated Instruction and Assessment for Literacy, CCA

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0;  
**Prerequisites:** Minimum grade of C in RED 3042 and passing scores on all four subtests of the Florida Teacher Certification General Knowledge Test or department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to identify and administer appropriate literacy assessments; to use a systematic problem-solving process to analyze assessment data; and to diagnose characteristics of reading difficulties, including dyslexia, and differentiate

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

reading instruction accordingly across various educational levels in elementary, English for Speakers of Other Languages (ESOL), exceptional education, and language arts classrooms. This course addresses Reading Endorsement Competencies 3 and 4, ESOL Competencies 3 and 5, and includes a 15-hour field experience; **Effective Date:** Fall 2024 (202510).

### **RED 4941 Clinical Field Experience in Reading, CCA**

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0;

**Prerequisites:** Minimum grades of C in all Elementary Education BS courses and a cumulative GPA of 2.5 or better and passing scores for the Florida Teacher Certification Examination Professional Education Test and the Elementary Education K-6 subject area examination and department approval; **Co-requisites:** EDE 4943 and EDE 4936; **Catalog**

**Course Description:** This course serves as a field-based clinical experience in which students will apply their knowledge of literacy assessment and instruction in an elementary school classroom. The course involves activities which include collecting and analyzing reading assessment data, planning instruction based on information from data, implementing instruction, and monitoring students' progress. This course is correlated to Florida Reading Competency 5 and Florida Educator Accomplished Practices (FEAPs); **Effective Date:** Fall 2024 (202510).

### **SCE 3310 Teaching Science in Elementary School, CCA**

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0;

**Prerequisites:** Minimum grade of C RED 3042 and passing scores on all four subtests of the Florida Teacher Certification General Knowledge Test; or department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for prospective teachers and teachers in Elementary Education K-6 science. It focuses on the body of knowledge for the nature of science, physical sciences, Earth and space sciences, life sciences, and computer science. This course addresses elementary education pedagogical content knowledge for teaching the Florida Standards for Science and the Elementary Education K-6 Florida Teacher Certification Examination competencies in science; **Effective Date:** Fall 2024 (202510).

### **SCE 3832 Science Concepts and Procedures in the K-6 Classroom, CCA**

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0;

**Prerequisites:** Minimum grade of C in SCE 3310; OR department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for prospective teachers and teachers in Elementary Education K-6 science. It focuses on the application of elementary education pedagogical content knowledge and methods for teaching science as inquiry based on the Florida Standards for Science and the Elementary Education K-6 Florida Teacher Certification Examination competencies in science; **Effective Date:** Fall 2024 (202510).

### **SSE 3312 Teaching Social Studies, CCA**

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0;

**Prerequisites:** Minimum grade of C in RED 4352 or department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for prospective teachers and teachers in Elementary Education K-6 social studies. It focuses on elementary-level social studies content, state and NCSS social studies standards, instructional and assessment strategies, designing social studies curriculum and lesson plans, and using data to inform instruction and improvements. This course addresses elementary pedagogical

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

content knowledge for teaching the strands in the Florida Standards for Social Studies and the Elementary Education K-6 Florida Teacher Certification Examination competencies in Social Studies; **Effective Date:** Fall 2024 (202510).

### **TSL 3080**                      **ESOL Foundations: Culture and Language, CCA**

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in RED 3042 and passing scores on all four subtests of the Florida Teacher Certification General Knowledge Test; or department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to examine issues and effects of culture and language on participation and learning by English language learners in elementary classrooms including the development of language and literacy skills in English. This course addresses ESOL Competencies 1 and 2; **Effective Date:** Fall 2024 (202510).

### **TSL 4100**                      **ESOL: Curriculum, Methods, and Assessment, CCA**

**Purpose:** New course in the BS in Elementary Education degree program; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in TSL 3080; or department approval; **Co-requisites:** None; **Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to understand linguistic and cultural effects on ELL participation and performance in the elementary classroom. Students will create appropriate and challenging curriculum content, materials, and assessments to foster meaningful and appropriate learning environments for native English speakers and English language learners. This course addresses ESOL Competencies 3, 4 and 5 and includes a 15-hour field experience; **Effective Date:** Fall 2024 (202510).

### **CAI 2000**                      **Intro to Artificial Intelligence, CCA**

**Purpose:** New technology that is mainstream so our students need to learn how it works and how it will affect jobs and ethics in the future; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course surveys Artificial Intelligence (AI) techniques, theories, and applications. Exposes students to AI project cycles and decision making. Students will be introduced to various social issues and concerns surrounding AI such as ethics and bias; **Effective Date:** Fall 2024 (202510).

### **ART 1152C**                      **Metal Casting, CCA**

**Purpose:** This is a course we previously offered as an ART 2930c and want to add it as one of the Fine Art offerings for both majors and non-majors alike; **Credit/Contact/Lab Hours:** 3/6/3; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This is an introduction to metal casting for anyone interested in learning the lost wax casting process as it relates to sculptural forms. Direct work in wax for unique castings as well as mold making for multiples will be explored. Investing wax pieces, use of the furnace for casting, chasing, sandblasting and final finishing are demonstrated; **Effective Date:** Fall 2024 (202510).

### **ART 2702C**                      **Sculpture II, CCA**

**Purpose:** The demand for a 2nd level sculpture class has grown and this class was offered occasionally as an ART2930c course. We would like to offer it on a consistent basis as follow up to Sculpture 1; **Credit/Contact/Lab Hours:** 3/6/3; **Prerequisites:** ART 2701C or department approval.; **Co-requisites:** None; **Catalog Course Description:** Sculpture II is the

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

follow up course to Sculpture I. More complex plastic sculpting methods are explored along with the introduction to reductive processes. Metal fabrication using cutting and welding techniques is also introduced; **Effective Date:** Fall 2024 (202510).

### **AOM 1050C Introduction to Organic Farming and Gardening Technician, CCA**

**Purpose:** This new course was recommended by the Plant Science Program Advisory Committee and developed with Florida Organic Growers (FOG). There is an increased demand for organic farming technicians and the curriculum was developed in accordance with FOG as part of a USDA grant they received. This grant included a Workforce Development portion. It will be used as an elective for our A.S. degree and the Technical Certificates; **Credit/Contact/Lab Hours:** 3/4/1; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Designed to give curious farmers, farmworkers, and agriculture students an overview of the USDA National Organic Program, the organic regulations, and organic crop production methods such as organic seed sourcing, composting, and pest, weeds, and disease management. This foundational course consists of learning modules with multiple lessons designed to be completed in sequential order. A portion of the course is a self-directed lesson study. No transcript is needed for non-credit enrollees. This course does not satisfy the general education requirement for science; **Effective Date:** Fall 2024 (202510).

### **BOT 2011C Plant Diversity, CCA**

**Purpose:** This new course for us is already offered by the University of Florida and is a requirement for admittance into the College of Agriculture and Life Science. The Plant Science Program Advisory Committee recommended added this course to our current elective list for our A.S. degree seeking students. This will allow for an easier A.S. to B.S. transition; **Credit/Contact/Lab Hours:** 4/5/1; **Prerequisites:** BOT 2010C; **Co-requisites:** None; **Catalog Course Description:** An overview of the biological diversity of modern algae and land plants, the traditional classification of plants, the evolutionary processes that generate biodiversity and the ecological processes that shape this diversity. In the laboratory students will see examples of the species we discuss in class and learn to identify key traits and species; **Effective Date:** Fall 2024 (202510).

### **ORH 2241C Principles of Arboriculture, CCA**

**Purpose:** This new course in Arboriculture was recommended by the Plant Science program's advisory committee. It will cover the principles of this field and be useful for those either looking for employment, or currently employed in, the amusement park/resort setting, city/municipal work, and the landscape installation/maintenance sector. It will be added to our elective list for the two A.S. degree specializations and the various technical certificates; **Credit/Contact/Lab Hours:** 3/4/1; **Prerequisites:** PLS 1010C; **Co-requisites:** None; **Catalog Course Description:** An overview of the principles of arboriculture including tree structure, tree biology, and basic soil-plant relationships. Techniques and methods to evaluate and improve overall plant health, structural integrity, planting procedures, and seasonal pruning are presented. This course does not satisfy the general education requirement for science; **Effective Date:** Fall 2024 (202510).

### **EDF 3430 Measurement, Evaluation, and Assessment in Education, CCA**

**Purpose:** New course to align with removal of Reading Endorsement Competency 3 (Assessment) and meet teacher certification requirements of initial and renewal of professional FL teaching certificate; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Hold a bachelor's degree with a minimum overall GPA of 2.5 from a regionally accredited college or university; possess a valid and current Statement of Status of Eligibility or Temporary Teaching Certificate from the Florida Department of Education stating they are eligible to teach; apply and be accepted first at Valencia College and



## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

then the EPI Program; or receive department approval; **Co-requisites:** None; **Catalog Course Description:** Knowledge and skills for teachers and prospective teachers to identify and administer educational assessment practices that include analysis and application of data from statewide standardized assessments, use a systematic problem-solving process to analyze assessment data, inform content instruction, and equitably meet the needs of diverse, K-12 learners; **Effective Date:** Fall 2024 (202510).

### MAN 3361 Digital Recruitment, CCA

**Purpose:** New HR concentration within BASBOL; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course will explore how to effectively attract and retain talent by creating a powerful employment brand that resonates with different parts of the workforce. Explore how digital resources continue to be valuable to the HR professional and apply this knowledge to your recruiting and retention activities; **Effective Date:** Fall 2024 (202510).

### MAN 3312 Employee Relations and Development in Human Resource Management, CCA

**Purpose:** New HR concentration within BASBOL; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Employee Relations & Development explores the correlation between employees engaged in their work environment and the role of Human Resources through managerial strategies. Developing employees and aligning their interests more closely with managerial goals will in turn boost organizational performance, encourage employee engagement, and improve employee relations; **Effective Date:** Fall 2024 (202510).

### MAN 4384 Strategic Workforce Planning, CCA

**Purpose:** New HR concentration within BASBOL; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** Strategic workforce planning aims to proactively put the right people, in the right place, at the right time at the right cost to mitigate workforce risk now and in the future. In this course, you will learn Workforce Planning processes and techniques with a data-driven approach with a focus on the practical application of Workforce Planning; **Effective Date:** Fall 2024 (202510).

### MAN 4323 Applied Concepts in Human Resources, CCA

**Purpose:** New HR concentration within BASBOL; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Co-requisites:** None; **Catalog Course Description:** This course uses case studies and experiential/simulated learning strategies to apply to human resources management. Students will develop and apply communication and employee relations skills with problem-solving and decision-making abilities to address work-related, human resources challenges; **Effective Date:** Fall 2024 (202510).

### EET 2036C Principles of Electric Circuits, CCA

**Purpose:** Combination of EET 1015C and EET 1025C into one course (EET 2036C) due to some topics already covered in other courses (i.e. EET 1214C). Inclusion of the dependent sources in the topics; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** EET 1214C and either MTB 1329 or MAC 1105 or higher; **Co-requisites:** None; **Catalog Course Description:** Fundamental course in DC and AC circuits designed to prepare students for advanced courses in electrical and electronics circuits. A study of electrical laws, theorems, components, and networks used in DC and AC circuit applications; **Effective Date:** Fall 2024 (202510).

### EET 2141C Semiconductor Devices & Circuits, CCA

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** The course prefix and title did not reflect the level of the course and the prerequisites; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** EET 2036C or EET 1025C or EET 2035C; **Co-requisites:** None; **Catalog Course Description:** First of two-course sequence in electronic semiconductor circuits. Provides basic understanding of electronic circuits which utilize semiconductor diode and transistor circuit elements. Introduces concept of circuit simplification via idealizations, approximations and overview of semiconductor devices and their electrical properties. Emphasis on circuit analysis and various small-signal, linear and power applications utilizing diodes and transistors. Students assigned appropriate hands-on laboratory projects to expose them to practical considerations in implementing various semiconductor circuits analyzed in the classroom; **Effective Date:** Fall 2024 (202510).

### ETS 1050C Introduction to Photonics Engineering Design, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 2050 Geometric Optics at CREOL-UCF; **Credit/Contact/Lab Hours:** 1/2/1; **Prerequisites:** None; **Corequisites:** None; **Course Description:** Hands-on experiments on real-life optics & photonics, to develop abilities in design, control, and communication with photonic devices used in computers and/or smartphones; **Effective Date:** Fall 2024 (202510).

### ETS 2052 Foundations of Photonics, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3052 Foundations of Photonics at CREOL-UCF; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in ETS 2210C, PHY 2049C, and MAC 2313; **Corequisites:** ETS 2052L; **Course Description:** Introduction to wave and photon models of light. Polarization and coherence. Interference and diffraction of light. Interferometers and spectrometers; **Effective Date:** Fall 2024 (202510).

### ETS 2052L Foundations of Photonics Laboratory, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3052L Foundation of Photonics Laboratory at CREOL-UCF; **Credit/Contact/Lab Hours:** 1/2/2; **Prerequisites:** None; **Corequisites:** ETS 2052; **Course Description:** The laboratory course is designed to reinforce the concepts discussed in class with a hands-on approach and to allow the students to learn laboratory techniques for observing optical phenomena and quantitative experimental characterization in geometrical optics, polarization, interference, and diffraction; **Effective Date:** Fall 2024 (202510).

### ETS 2200 Geometric Optics, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3200 Geometric Optics at CREOL-UCF; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in ETS 2210C and PHY 2048C; **Corequisites:** ETS 2200L; **Course Description:** Fundamentals of geometrical optics. Geometrical theory of image formation. Chromatic and monochromatic aberrations. Optical systems; **Effective Date:** Fall 2024 (202510).

### ETS 2200L Geometric Optics Laboratory, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3200L Geometric Optics at CREOL-UCF; **Credit/Contact/Lab Hours:** 1/2/2; **Prerequisites:** None; **Corequisites:** ETS 2200; **Course Description:** Introductory optics lab that studies the behavior of light as rays. Reflection, refraction, and transmission. Lenses, mirrors, and prisms. Image formation and beam manipulation. Measure and characterize archetypal optical systems such as telescopes, cameras, and microscopes; **Effective Date:** Fall 2024 (202510).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### ETS 2210C Principles of Photonics, CCA

**Purpose:** The course prefix and title did not reflect the level of the course and the prerequisites.; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** MTB 1329 or MAC 1105 and EET 1214C or ETS 1050C; **Corequisites:** None; **Revised Course Description:** A course exploring the principles of Photonics theory, concepts, and applications. Contents include the nature and properties of light, light sources, human vision, and laser safety, basics of geometric and physical optics, and basic principles and applications of holography. Laboratory experimentations will complement theoretical concepts of the course; **Effective Date:** Fall 2024 (202510).

### EGN 2045 Engineering and Technology Calculus I, CCA

**Purpose:** First of two course sequence in Engineering and Technology Calculus to satisfy admission and prerequisites requirement in the Bachelor of Science in Electrical and Computer Engineering Technology program; **Credit/Contact/Lab Hours:** 3/4/0; **Prerequisites:** Minimum grade of C in MAC 1114 or MAC 1140; **Corequisites:** None; **Course Description:** This course presents the concepts of pre-calculus and calculus with direct real world, technical applications that illustrate the relevance and usefulness of technical mathematical skills necessary to solve complex engineering and technology problems outside the classroom. Concepts through linear algebra, matrices, derivatives of algebraic and transcendental functions, techniques of differentiation, applications of derivatives, differentials, and optimization are covered. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology, B.S. Degree requirement; **Effective Date:** Fall 2024 (202510).

### 2324-171 EGN 3046 Engineering and Technology Calculus II, CCA

**Purpose:** The Second course in Engineering and Technology Calculus provides real-world, technical applications suitable for engineering, science, and technology majors that illustrate the relevance and usefulness of technical mathematics outside of the classroom. 2) To prepare students with the necessary and critical engineering and engineering technology academic/industrial contents, applications, and skills suited for BSECET program; **Credit/Contact/Lab Hours:** 4/4/0; **Prerequisites:** Minimum grade of C in EGN 2045 or MAC 2311; **Corequisites:** None; **Revised Course Description:** In this second Engineering and Technology Calculus course, the study of techniques and applications of Calculus to solve complex engineering and technology problems will be reinforced and extended. Concepts through sequences and series; antiderivatives, definite integrals, techniques and applications of integration; First- and Higher-Order differential equations, Laplace transforms; multivariable calculus and Fourier series are covered. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology, B.S. Degree requirement; **Effective Date:** Fall 2024 (202510).

### ETS 1211C Introduction to Photonics Engineering Design, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 2050 Geometric Optics at CREOL-UCF; **Credit/Contact/Lab Hours:** 1/2/1; **Prerequisites:** None; **Corequisites:** None; **Course Description:** Hands-on experiments on real-life optics & photonics, to develop abilities in design, control, and communication with photonic devices used in computers and/or smartphones; **Effective Date:** Fall 2024 (202510).

### ETS 2212 Foundations of Photonics, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3052 Foundations of Photonics at CREOL-UCF; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grades of C in PHY 2049C, and MAC 2313; **Corequisites:** ETS 2212L; **Course Description:** Introduction to wave and photon

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

models of light. Polarization and coherence. Interference and diffraction of light. Interferometers and spectrometers; **Effective Date:** Fall 2024 (202510).

### ETS 2212L Foundations of Photonics Laboratory, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3052L Foundation of Photonics Laboratory at CREOL-UCF; **Credit/Contact/Lab Hours:** 1/2/2; **Prerequisites:** None; **Corequisites:** ETS 2212; **Course Description:** The laboratory course is designed to reinforce the concepts discussed in class with a hands-on approach and to allow the students to learn laboratory techniques for observing optical phenomena and quantitative experimental characterization in geometrical optics, polarization, interference, and diffraction; **Effective Date:** Fall 2024 (202510).

### ETS 2215 Geometric Optics, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3200 Geometric Optics at CREOL-UCF; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C PHY 2048C; **Corequisites:** ETS 2215L; **Course Description:** Fundamentals of geometrical optics. Geometrical theory of image formation. Chromatic and monochromatic aberrations. Optical systems; **Effective Date:** Fall 2024 (202510).

### ETS 2215L Geometric Optics Laboratory, CCA

**Purpose:** This course will be part of the Photonics specialization offered under the AS STEM and it will be the equivalent of OSE 3200L Geometric Optics at CREOL-UCF; **Credit/Contact/Lab Hours:** 1/2/2; **Prerequisites:** None; **Corequisites:** ETS 2215; **Course Description:** Introductory optics lab that studies the behavior of light as rays. Reflection, refraction, and transmission. Lenses, mirrors, and prisms. Image formation and beam manipulation. Measure and characterize archetypal optical systems such as telescopes, cameras, and microscopes; **Effective Date:** Fall 2024 (202510).

### ETS 2210C Principles of Photonics, CCA

**Purpose:** The course prefix and title did not reflect the level of the course and the prerequisites.; **Credit/Contact/Lab Hours:** 3/4/2; **Prerequisites:** MTB 1329 or MAC 1105 or higher; **Corequisites:** None; **Revised Course Description:** A course exploring the principles of Photonics theory, concepts, and applications. Contents include the nature and properties of light, light sources, human vision, and laser safety, basics of geometric and physical optics, and basic principles and applications of holography. Laboratory experimentations will complement theoretical concepts of the course; **Effective Date:** Fall 2024 (202510).

### FFP 1302C Apparatus Operations, CCA

**Purpose:** The Advisory Council requested that we embed this course in the AS degree so students can earn the Fire Apparatus Operator Certification; **Credit/Contact/Lab Hours:** 3/3/1; **Prerequisites:** Minimum grade of C in FFP 1301; **Corequisites:** None; **Course Description:** This course covers the laws, rules, and driving techniques for emergency vehicles. A practical portion of the course will include fire ground evolutions using pre-connected lines, tandem pumping, drafting, relays, and master streams. Practice and proper demonstration of fire apparatus on a road or closed driving course. Students will need proper attire for water-pumping exercises. After completing this course and FFP 1301, the student will be eligible to take the State Pump Operator certification exam through the Florida State Fire College. This course must be completed with a 70 percent C grade to receive credit; **Effective Date:** Fall 2024 (202510).

### MAC 1140H Precalculus Algebra-Honors, CCA

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Honors has asked that MAC 1140H be added to the catalog so it can be offered beginning Summer 2024 to expand mathematics offerings in the honors college; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** Minimum grade of C in MAC 1105 or appropriate score on an approved assessment; **Corequisites:** None; **Course Description:** Same as MAC 1140 with Honors content. Honors program permission required; **Effective Date:** Summer 2024 (202430).

### MGF 1130H                      Mathematical Thinking-Honors, CCA

**Purpose:** Honors has asked that MGF 1130H be added to the catalog so it can be offered beginning Fall 2024 to expand mathematics offerings in the honors college; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** None; **Corequisites:** None; **Course Description:** Same as MGF 1130 with Honors content. Honors program permission required; **Effective Date:** Fall 2024 (202510).

## CREDIT COURSE MODIFICATIONS

### EDG 2413                      Student-Centered Classroom Learning Environments, CCM

**Purpose:** The catalog description was changed to align with the Florida Educators Accomplished Practices (FAC 6A-5.065, 2023) 2(a)(2). One outcome and some of its evidences of learning changed as a result; **Revised Course Description:** Knowledge and skills for teachers and prospective teachers to establish positive classroom learning environments in diverse settings that are safe, organized, equitable, flexible, inclusive, and collaborative for all students; **Effective Date:** Fall 2023 (202410).

### DIG 2943                      Internship in Digital Media, CCM

**Purpose:** Removing DIG2822C from the pre-req list because it's no longer offered, added DIG2342C in it's place. Motion Graphics students were limited due to the absence of this class, and will now be able to register for internship; **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 2342C 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; **Effective Date:** Fall 2024 (202510).

### GRA 1206C                      Fundamentals Of Typography, CCM

**Purpose:** The prerequisites for this course are being updated to include SLS 1122 or TPA 1380 for digital media students who might have taken one or the other due to program modifications. I also realized the course description contained some antiquated terminology and could use some freshening up while I was at it; **Revised Prerequisites:** Minimum grade of C in both GRA 1142C and GRA 1413; or minimum grade of C in both DIG 2109C and either TPA 1380 or SLS 1122; or department approval; **Revised Course Description:** Includes history, terminology, and anatomy of typography. Foundational applications of type in layout design, formatting, editing, grid design, and hierarchy are explored. This is a project-oriented course that requires proper application of production techniques using industry-standard software; **Effective Date:** Fall 2024 (202510).

### SON 1003L                      Sonography Practice Lab, CCM

**Purpose:** Increase the ratio of credit-contact hours to match Instructional Lab. Students need more time in the lab to practice their skills that they are learning in Instructional lab. This will provide the student with stronger skill set for

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

entering clinical, increase their confidence, and reduce attrition. Instructional lab is 1 credit for 4 contact hours. Want to increase Practice lab hours from 2 to 4, matching the lab ratio for Instructional lab; **Revised Course Hours:** 1/4/4; **Effective Date:** Fall 2024 (202510).

### **CET 2892C Ethical Hacking, CCM**

**Purpose:** Update course outline; **Revised Course Description:** This course provides the next step for individuals who want to enhance their Cybersecurity skill set and help meet the growing demand for network security professionals. The curriculum provides an in-depth knowledge of the tools incorporated into Kali Linux and focuses on the steps of a penetration test. The core security concepts and skills needed for the installation, troubleshooting, and monitoring of network devices and security appliances to maintain the integrity, confidentiality, and availability of data, services, and devices. The Advanced Cybersecurity course helps prepare students for entry-level security careers opportunities such as Information Security Specialist, Information Assurance Manager, INFOSEC Analyst, and Network Security Administrator. This course is hands-on with an emphasis on practical experience to help students develop specialized security skills, along with critical thinking and complex problem solving skills; **Effective Date:** Fall 2024 (202510).

### **CEN 3942 Internship in Computing Technology & Software Development, CCM**

**Purpose:** The students in the Cloud Computing concentration do not take CEN 4025C. We have added CIS 3083C as the required course for those students; **Revised Prerequisites:** CEN 4025C or CIS 3083C, and departmental approval; **Effective Date:** Fall 2024 (202510).

### **ETM 2606C Programming Building Automation Systems, CCM**

**Purpose:** The EET 1214C course has similar LOs and offers students more sections to select from when registering; **Revised Prerequisites:** ETM 1601C, ETM 1602C or EET 1214C, COP 1000C, and departmental approval; **Effective Date:** Fall 2024 (202510).

### **ETM 2607C Troubleshooting Automation and Control Systems, CCM**

**Purpose:** The EET 1214C course has similar LOs and offers students more sections to select from when registering; **Revised Prerequisites:** ETM 1601C, ETM 1602C or EET 1214C, ETM 1603C, ETM 2605C; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Enables the Building Automation Systems Industry to provide our EMCT students with additional hands-on industry field experience creating the opportunity for our student graduates to become even more marketable and highly in demand when entering the workplace; **Revised Course Description:** This course allows a student to earn up to 3 credit hours of EMCT Internship over one or more semesters, to gain real-world experience by working in the field with one or more building automation systems related companies. One credit hour is equivalent to 80 clock hours of work. Three earned credits of internship requires a minimum of 240 clock hours of work spread out over one or more semesters. Multiple credit course. May be repeated for a maximum of 3 credits, but grade forgiveness cannot be applied; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Encourages industry experienced students to bring in their field expertise into the classroom to enhance the overall learning environment of all EMCT students and also to participate in more of our EMCT AS degree courses to

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

strengthen their overall learning experience; **Revised Course Description:** This is a planned, hands-on, technical skill building experience that provides students with an opportunity to develop their commercial HVACR and Electrical skills set required to understand and control commercial building automation systems. Through an agency partner, this Practicum involves the successful completion of an A/C, Refrigeration and Heating Technician certification program, an Electrical related certification program, and/or BAS Technician related industry experience per Program Chair approval. 3 credits repeatable for maximum of 6 credit hours; **Effective Date:** Fall 2024 (202510).

### **MUM 2640C                      Sound Postproduction-Capstone, CCM**

**Purpose:** The new name is more specific to what the course addresses. Sound Postproduction comprises 3 courses: MUM 1646C Dialogue Editing and Voice Processing, MUM 1648C Foley and Sound Design, and this course, where we cover the mix of the soundtrack that was developed in the other two courses. Correct error in pre/co requisite course number; **Revised Course Title:** Soundtrack Rerecording Mixing-Capstone; **Revised Prerequisites:** Minimum grade of C in MUM 2666C, in MUM 1648L, and in MUM 1646C; **Revised Corequisites:** MUM 1648L and MUM 1646C; **Revised Course Description:** A project-oriented approach to soundtrack rerecording mixing. Includes mixing to picture, mixing by stems, pre-dubs, Surround and Immersive audio mixing for theatrical film releases, and for home theater releases such as television and video streams; and creation of deliverables as per industry standards; **Effective Date:** Fall 2024 (202510).

### **NUR 1020C                      Intro to Professional Nursing, CCM**

**Purpose:** The contact hours were not corrected when the credit hours changed; **Revised Course Hours:** 6/12/9; **Effective Date:** Fall 2024 (202510).

### **NUR 2221C                      Health and Illness Concepts in Adult Health I, CCM**

**Purpose:** The contact hours were not corrected when the credit hours changed; **Revised Course Hours:** 6/12/9; **Effective Date:** Fall 2024 (202510).

### **NUR 3069C                      Advanced Health Assessment, CCM**

**Purpose:** Prerequisite change; **Revised Prerequisite:** NUR3825. Admission to the B.S.N. program. Must have a clear/active, unrestricted, unencumbered Florida RN License, or students must be eligible to obtain it prior to completing their first term in this program; **Effective Date:** Fall 2024 (202510).

### **NUR 4945C                      Nursing Capstone, CCM**

**Purpose:** Prerequisite and corequisite changes; **Revised Prerequisite:** Minimum grades of C in NUR 3125, NUR 3169, NUR 3634C, NUR 3667, NUR 3825, NUR 4829, and NUR 4837; **Revised Corequisite:** NUR 3634C, NUR 3169, and NUR 4829; **Effective Date:** Fall 2024 (202510).

### **ASL 2300                      Structure of American Sign Language, CCM**

**Purpose:** Professor observations of significant varied ASL acquisition evident by varied student success of ASL 2150 (ASL II) learning outcomes. Students completing ASL 2160 (ASL III) demonstrate an improved understanding, internalization, and application of basic ASL vocabulary and grammatical structure and observed success in comprehension of linguistical aspects presented in ASL 2300 (Structure of ASL); **Revised Prerequisites:** Minimum grade of C in ASL 2160 or equivalent and department approval; **Effective Date:** Fall 2024 (202510).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **CNT 2000C                      Network Automation with Scripting Languages, CCM**

**Purpose:** Change course prerequisites from CET 2660C, CET 2792C, and CET 1610C to CTS 2322C; **Revised Prerequisites:** Minimum grade of C in CTS 2322C; **Revised Course Description:** This course starts by providing an introduction to network automation, Software defined networks (SDN), and various applications of network automation, which include integrating DevOps tools to automate the network efficiently. It then guides the student through different network automation tasks and covers various data digging and reporting methodologies such as IPv6 migration, Domain Control (DC) relocations, and interface and data parsing, all the while retaining security and improving data center robustness. The course covers the use of Python scripting and Ansible Automation and is geared towards preparing students for the Red Hat Certified Engineer (RHCE) industry certification exam; **Effective Date:** Fall 2024 (202510).

### **ARH 1000                      Art Appreciation, CCM**

**Purpose:** Course description update; **Revised Course Description:** Introductory art appreciation course designed to provide students with a foundation for understanding contemporary visual arts and various artistic mediums; **Effective Date:** Fall 2024 (202510).

### **HUM 1020                      Intro to Humanities, CCM**

**Purpose:** The request is being made because the course description is being slightly altered to include 'literature' as one of the disciplines covered. Additionally, some wording changes are being made to the topics covered, course outcomes, evidence of learning, and assessments; **Revised Course Description:** Basic introduction to humanities. Focuses on central concepts, historical development and fundamental nature of philosophy, architecture, music, religion, art and literature. Concepts from such disciplines integrated with contemporary American culture; **Effective Date:** Fall 2024 (202510).

### **HUM 1020H                      Intro to Humanities-Honors, CCM**

**Purpose:** The request is being made because the course description is being updated. Additionally, some wording changes are being made to the topics, course outcomes, evidence of learning, and assessments; **Revised Course Description:** Same as HUM 1020 with Honors content. Honors Program permission required; **Effective Date:** Fall 2024 (202510).

### **HUM 2232                      Renaissance and Baroque Humanities, CCM**

**Purpose:** The request is being made because the course description is being updated. Additionally, some wording changes are being made to the topics, course outcomes, evidence of learning, and assessments; **Revised Course Description:** Integrated examination of dominant ideas in history and culture from 1400 to 1650, expressed in art, literature, music, philosophy, science, and religion. Covers period from Renaissance through Baroque eras, emphasizing synthesis of Classical and Christian ideals, the influence of Mediterranean and Middle-Eastern civilizations on Europe, and of European civilization on Africa and the Americas. Students must demonstrate college-level writing through multiple assignments. Minimum grade of C required if used to satisfy Gordon Rule requirement; **Effective Date:** Fall 2024 (202510).

### **HUM 2454                      African-American Humanities, CCM**

**Purpose:** This change is an adjustment of the course description to match the focal points of African-American Humanities as taught; **Revised Course Description:** An integrated study of New World cultures most impacted by the African diaspora. Topics include African civilizations; the impact of African and African-American influences on art, music, literature, and the creation of distinctive African- American cultures. Students must demonstrate college-level writing



## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

skills through multiple assignments. Minimum grade of C required if used to satisfy Gordon Rule requirement; **Effective Date:** Fall 2024 (202510).

### **MAC 1105**                      **College Algebra, CCM**

**Purpose:** To allow students to self-register for MAC 1105 and MAC 1105L. Currently, on West Campus (and other campuses), we are already doing a corequisite College Algebra. On West, the students pay for a three credit hour course, but they take College Algebra with a linked lab which is worth five contact hours. They know up front that the class meets for two hours and fifteen minutes, and they are with their professor for that entire time. Right now, must register for this corequisite course by going through an advisor or contacting the math department office. There are many obstacles here. By creating MAC 1105L, the corequisite will be a College Algebra course with a linked lab that will allow students to self-enroll. By voting on this right now (this fall), we will be able to get this into place for Fall of 2024. All this does is change what we are doing so the students can self-enroll; **Revised Co-requisites:** MAC 1105L; **Effective Date:** Fall 2024 (202510).

### **CAP 3612**                      **Machine Learning Essentials, CCM**

**Purpose:** The description has been updated to reflect the certification exam students will be prepared to take upon completion of the course; **Revised Catalog Course Description:** Machine Learning Essentials introduces students to the concepts and terminology of Artificial Intelligence and machine learning. Students will be able to select and apply machine learning services to resolve business problems. They will also be able to label, build, train, and deploy a custom machine learning model through a guided, hands-on approach. This course prepares the student for certification exams commonly offered in the cloud computing industry; **Effective Date:** Fall 2024 (202510).

### **CIS 3080**                      **Cloud Administrator Essentials, CCM**

**Purpose:** The description has been updated to reflect the certification exam students will be prepared to take upon completion of the course; **Revised Catalog Course Description:** Cloud Operations is designed to prepare participants to pursue entry-level DevOps, support, and cloud operations roles. Emphasizing best practices in the Cloud and recommended design patterns, this course will teach students how to solve problems and troubleshoot various scenarios. In addition, students will learn to create automatable and repeatable deployments of networks and systems in the cloud and covers specific features and tools related to configuration and deployment. With case studies and demonstrations, students will learn how some customers design their infrastructures and implement various strategies and services. This course prepares the student for certification exams commonly offered in the cloud computing industry; **Effective Date:** Fall 2024 (202510).

### **CIS 3083C**                      **Cloud Management and Design, CCM**

**Purpose:** The description has been updated to reflect the certification exam students will be prepared to take upon completion of the course; **Revised Catalog Course Description:** Students will learn how to manage and design cloud services. Students will learn how to create virtual cloud machines, design storage architecture, and build appropriate processes. Students will learn how security and design are crucial to move platforms in and out of the cloud. Case studies will be used to showcase the application of these services to the modern cloud platform. Student will design services and redundancy in a global infrastructure. This course prepares the student for certification exams commonly offered in the cloud computing industry; **Effective Date:** Fall 2024 (202510).

### **CIS 3641**                      **Cloud Developer Essentials, CCM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** The description has been updated to reflect the certification exam students will be prepared to take upon completion of the course; **Revised Catalog Course Description:** This course is designed to help students gain technical expertise in development with cloud technologies. Throughout the course, students will explore scenarios that provides opportunities to build a variety of infrastructures through the use of cloud developer technologies. Students will build apps through code driven languages and secure them in a cloud environment. In addition, students will use functions, containers, and application program interfaces to build cloud solutions. This course prepares the student for certification exams commonly offered in the cloud computing industry; **Effective Date:** Fall 2024 (202510).

### **CIS 3652                      Cloud Data Analytics Essentials, CCM**

**Purpose:** The description has been updated to reflect the certification exam students will be prepared to take upon completion of the course; **Revised Catalog Course Description:** Data Analytics teaches students how to conduct Big Data analysis with practical, real-world examples. Students will learn how to analyze extremely large data sets, and to create visual representations of that data, using a case-study approach. Geared toward students interested in pursuing careers in data analysis. This course prepares the student for certification exams commonly offered in the cloud computing industry; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** The course description for COP 3330C has been updated to reflect that admission to the BAS program is a prerequisite for the course. Each semester there are several students (or their advisors) trying to register for this course, and they don't understand why they can't enroll. Adding this to the course description would help students and advisors to avoid this problem; **Revised Prerequisites:** Admission to the B.A.S degree in Computing Technology and Software Development and a minimum grade of C in COP 1000C, or department approval; **Effective Date:** Fall 2024 (202510).

### **FOS 2201                    Food Service Sanitation Mgmt, CCM**

**Purpose:** 1203C should have never been added as a prereq for a course that was the prereq for the course; **Revised Prerequisites:** None; **Revised Co-requisites:** None; **Effective Date:** Fall 2024 (202510).

### **FSS 1050C                    Baking Ingredients & Technology, CCM**

**Purpose:** Moving Sanitation to an intermediate course sequence within the program; **Revised Prerequisites:** None; **Revised Co-requisites:** None; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Updating Learning outcomes with proper wording Also sanitation is moving to an intermediate course and students in all beginning lab courses will need to pass a food handler certification module at the beginning of the course; **Revised Prerequisites:** None; **Revised Co-requisites:** None; **Revised Course Description:** Student will acquire the fundamental concepts, skill and techniques involved in the management of resources, use of recipes, use and care of equipment, evaluation of food products, sanitation, and safety procedures. Special emphasis is given to practical demonstrations in breakfast cookery, salads, dressings, cold sauces, sandwiches, and safety and sanitation principles. Student must successfully pass written and practical cooking examination covering a variety of techniques and procedures. Students must pass a food handler certification or show equivalent certification in sanitation in the first canvas module of the course; **Effective Date:** Fall 2024 (202510).

### **FSS 1240C                    Classical Cuisine, CCM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Updating Learning outcomes with proper wording Also sanitation is moving to an intermediate course; **Revised Prerequisites:** FSS 1203C; **Effective Date:** Fall 2024 (202510).

### FSS 1246C                      Baking and Pastries, CCM

**Purpose:** Updating Learning outcomes with proper wording Also sanitation is moving to an intermediate course and students in all beginning lab courses will need to pass a food handler certification module at the beginning of the course; **Revised Prerequisites:** None; **Revised Co-requisites:** None; **Revised Course Description:** Students apply the fundamentals of baking science and pastry preparation to produce a variety of bread products and pastries. Special emphasis is given to the application of advanced techniques in bakery management and the use and care of equipment normally found in bake shops. Preparation of breads and rolls, classical cakes and icings. Student must pass written and practical baking examination covering a variety of techniques and procedures. Students must pass a food handler certification or show equivalent certification in sanitation in the first canvas module of the course; **Effective Date:** Fall 2024 (202510).

### FSS 2055C                      Contemporary Cakes and Desserts, CCM

**Purpose:** Moving Sanitation to an intermediate course sequence within the program and adding the sanitation as a prereq to be taken before the advanced classes; **Revised Prerequisites:** FSS 2061C, FOS 2201; **Effective Date:** Fall 2024 (202510).

### FSS 2058C                      Contemporary Art and Principles of Design, CCM

**Purpose:** Moving Sanitation to an intermediate course sequence within the program and adding the sanitation as a prereq to be taken before the advanced classes; **Revised Prerequisites:** FSS 2061C, FOS 2201; **Effective Date:** Fall 2024 (202510).

### FSS 2059C                      Chocolates and Confections, CCM

**Purpose:** Moving Sanitation to an intermediate course sequence within the program and adding the sanitation as a prereq to be taken before the advanced classes; **Revised Prerequisites:** FSS 2061C, FOS 2201; **Effective Date:** Fall 2024 (202510).

### FSS 2248C                      Garde-Manger, CCM

**Purpose:** Update prerequisites; **Revised Prerequisites:** FOS 2201, FSS 1203C, FSS 2204C, FSS 1240C, FSS 1246C; **Effective Date:** Fall 2024 (202510).

### EDG 2413                      Student-Centered Classroom Learning Environments, CCM

**Purpose:** Revision to align with inclusion in the BS in Elementary Education degree; **Revised Prerequisites:** Admission to the BS in Elementary Education or admission to the EPI program or department approval; **Revised Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to establish positive classroom learning environments in diverse settings that are safe, organized, equitable, flexible, inclusive, and collaborative for all students; **Effective Date:** Fall 2024 (202510).

### EDF 2051                      Teaching and Learning Theory, CCM

**Purpose:** Revision to align with inclusion in the BS in Elementary Education degree; **Revised Prerequisites:** Admission to the BS in Elementary Education or admission to the EPI program or department approval; **Revised Catalog Course**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to examine a variety of teaching and learning theories with topics including educational psychology, human development, curriculum, data uses, teaching and learning theories, motivation, and diverse learner; **Effective Date:** Fall 2024 (202510).

### **EDF 2291 Instructional Strategies, CCM**

**Purpose:** Revision to align with inclusion in the BS in Elementary Education degree; **Revised Prerequisites:** Admission to the BS in Elementary Education or admission to the EPI program or department approval; **Revised Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to examine the concepts and competencies related to planning, organizing and implementing instructional strategies, and develop ongoing assessments that are responsive to the needs of all learners; **Effective Date:** Fall 2024 (202510).

### **EDF 3609 Social and Historical Foundations of Education, CCM**

**Purpose:** Revision to align with inclusion in the BS in Elementary Education degree; **Revised Prerequisites:** Admission to the BS in Elementary Education or admission to the EPI program or department approval; **Revised Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to examine education and American public schools through the lenses of sociology and history; **Effective Date:** Fall 2024 (202510).

### **EEX 3084 Differentiated Instruction of Exceptional and Diverse Students, CCM**

**Purpose:** Revision to align with inclusion in the BS in Elementary Education degree; **Revised Prerequisites:** Minimum grade of C in RED 3042 and passing scores on all four subtests of the Florida Teacher Certification General Knowledge Test; or admission to the EPI program; or department approval; **Revised Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers needed to create inclusive and effective differentiated instruction in learning environments that meet the unique needs of exceptional and diverse students; **Effective Date:** Fall 2024 (202510).

### **RED 3042 Introduction of Reading and Content for K-12, CCM**

**Purpose:** Revision to align with inclusion in the BS in Elementary Education degree; **Revised Prerequisites:** Admission to the BS in Elementary Education or admission to the EPI program or department approval; **Revised Catalog Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to establish a substantive understanding of the components of reading as a process: comprehension, oral language, phonological awareness, phonics, fluency, and vocabulary including use and interpretation of reading assessments, scientifically-based reading strategies, and interventions. This course addresses Reading Endorsement Competencies 1 and 2 and includes a 15-hour field experience; **Effective Date:** Fall 2024 (202510).

### **NUR 1100C ATN-Transition into Professional Nursing Concepts, CCM**

**Purpose:** Contact hours incorrect in Banner; **Revised Credit/Contact/Lab Hours:** 4/8/2; **Effective Date:** Spring 2024 (202420).

### **NUR 1141C Health and Illness Concepts of Pharmacology in Nursing, CCM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** The 23/24 curriculum was changed to allow only one pathway but added an extra semester to increase student success; **Revised Prerequisites:** Admission to Nursing A.S. Degree Program, and minimum grades of C in BSC 2094C, NUR 1020C, NUR 1061C; **Revised Co-requisites:** NUR 2252C and NUR 2221C; **Effective Date:** Spring 2024 (202420).

### **NUR 2221C Health and Illness Concepts in Adult Health I, CCM**

**Purpose:** The 23/24 curriculum was changed to allow only one pathway but added an extra semester to increase student success; **Revised Credit/Contact/Lab Hours:** 6/12/9; **Revised Prerequisites:** Admission to Nursing A.S. Degree Program, minimum grades of C in BSC 2094C, NUR 1020C and NUR 1061C; **Revised Co-requisites:** NUR 1141C and NUR 2522C; **Revised Course Description:** This course focuses on the concepts within the domain of health and illness, emphasizing the themes of homeostasis & regulation and protection & movement. The course will include the concepts of inflammation, gas exchange, infection, fluid and electrolytes, perfusion, clotting, hormonal regulation, glucose regulation, and elimination. Upon completion, students will provide safe nursing care incorporating the concepts identified in this course. A grade of satisfactory in the clinical/lab is required. This course must be completed with a grade of C or better for program progression; **Effective Date:** Spring 2024 (202420).

### **NUR 2522C Health and Illness Concepts of Mental Health, CCM**

**Purpose:** The 23/24 curriculum was changed to allow only one pathway but added an extra semester to increase student success; **Revised Prerequisites:** Admission to Nursing A.S. Degree Program, minimum grades of C in BSC 2094C, NUR 1020C, NUR 1061C; **Effective Date:** Spring 2024 (202420).

### **CEN 3942 Internship in Computing Technology & Software Development, CCM**

**Purpose:** In agreement with the Internship Office and BAS CTSD faculty, students should not be able to earn more than 4 credits total through an internship experience. The previous limit of 3-9 is not in alignment with the fact that only 6 elective credits total are currently available. Furthermore, students should complete at least one elective course offered by the program in addition to the internship credit. A new limit of 4 credits total ensures students can complete an internship as well as an elective course to meet their program requirements; **Revised Credit/Contact/Lab Hours:** 3-4/0/0; **Revised Course Description:** This course is a work-based learning experience designed to immerse Computing Technology & Software Development students in learning opportunities in business and professional settings that are an extension of the Computing Technology & Software Development curriculum and allows students to enhance workplace skills while providing meaningful experience related to the student's career objectives. The internship experience is structured for learning with faculty supervision, reflection and evaluation. Students may enroll in up to a maximum of 4 credit hours of internships and must complete a total of 240 work hours for each 3 credit hour internship experience. Grade forgiveness cannot be applied; **Effective Date:** Fall 2024 (202510).

### **SYG 2010 Social Problems, CCM**

**Purpose:** Review for bi-annual review for assessment cycle; **Revised Course Description:** Analysis of major social problems confronting society. Special emphasis on critical thinking abilities in evaluating causes, effects and various approaches in dealing with social problems. Discussion includes such topics as mental illness, crime, juvenile delinquency, stratification, pollution, population, urbanization and influences detrimental to family stability: divorce, alcoholism, gambling, drug abuse. Minimum grade C required if SYG 2010 is used to satisfy Gordon Rule requirement; **Effective Date:** Fall 2024 (202510).

### **SON 1001 Abdominal Sonography I, CCM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** SON 2762 is not an offering at Valencia. The State of Florida requires a prefix of RTE; **Revised Corequisites:** SON 1804L, RTE 2762; **Effective Date:** Fall 2024 (202510).

### **SON 1001L      Sonography Instructional Lab II, CCM**

**Purpose:** CLOs updated to reflect current Valencia College terminology and equity-mindedness. Dean updated to reflect new verbiage of School of.... Corequisites-there is no SON 2762 course, the correct prefix is RTE; **Revised Prerequisites:** SON 1000, SON 1000L, and SON 1002C; **Revised Corequisites:** SON 1001, SON 1804L and RTE 2762; **Effective Date:** Fall 2024 (202510).

### **RED 3940      Clinical Field Experience in Reading, CCM**

**Purpose:** Credit modification to reflect additional coursework in measurement and evaluation of reading processes and data; **Revised Course Title:** EPI Clinical Field Experience in Reading; **Revised Credit/Contact/Lab Hours:** 3/3/0; **Revised Prerequisites:** RED 3042 and RED 4352; **Revised Catalog Course Description:** EPI Clinical Field Experience in Reading is for candidates to demonstrate knowledge of the components of reading, as well as assessments and data analysis, to implement a comprehensive research-based reading plan of instruction for all students. Candidates will engage in the systematic problem-solving process in a PK-12 classroom. The course addresses Reading Competency 5 and is reserved for those candidates seeking the full FL DOE Reading Endorsement; **Effective Date:** Fall 2024 (202510).

### **Educator Preparation Institute, CCM**

**Purpose:** The EPI program realigned many of its courses to the new BS in Elementary Education degree. As a result, we now have two tracks available to students: one that includes the FL Reading Endorsement and one that does not. Please see attached progression and track chart dated 12/15/23; **Effective Date:** Fall 2024 (202510).

*There are now two tracks and each track is 24 credits.*

### **CET 2114C      Digital Systems, CCM**

**Purpose:** Updated syllabus and TVCA.; **Revised Prerequisites:** EET 1214C and either MTB 1329 or MAC 1105 or higher or EGN 2045; **Effective Date:** Fall 2024 (202510).

### **CET 2118C      FPGA Design Using VDHL, CCM**

**Purpose:** Updated syllabus and TVCA; **Revised Prerequisites:** CET 2114C or CET 2113C; **Effective Date:** Fall 2024 (202510).

### **EET 1214C      Introduction to Engineering Technology, CCM**

**Purpose:** Student success is increased if the course is completed in the same semester with one of the above math courses or if one of the above math courses have been already taken; **Revised Prerequisites:** MTB 1329, MGF 1130, MAC 1105 or higher or EGN 2045; **Revised Corequisites:** MTB 1329, MGF 1130, MAC 1105 or higher or EGN 2045; **Effective Date:** Fall 2024 (202510).

### **MTB 1329      Mathematics for Engineering Technology, CCM**

**Purpose:** Student success is increased if the course is completed in the same semester with EET 1214C; **Revised Corequisites:** EET 1214C; **Effective Date:** Fall 2024 (202510).

### **EET 2142C      Integrated Circuits, CCM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Prerequisite prefix changed; **Revised Prerequisites:** EET 2141C; **Effective Date:** Fall 2024 (202510).

### EET 2325C RF Communication, CCM

**Purpose:** Prerequisite prefix changed; **Revised Prerequisites:** EET 2141C; **Effective Date:** Fall 2024 (202510).

### EET 2635C Wireless and Data Communication, CCM

**Purpose:** Prerequisite prefix changed; **Revised Prerequisites:** CET 2113C or CET 2114C and EET 2141C; **Effective Date:** Fall 2024 (202510).

### EET 2941 Internship Exploration in Electronic Engineering, CCM

**Purpose:** Prerequisite prefix changed; **Revised Prerequisites:** Satisfactory completion of EET 1025C or EET 2035C, or EET 2036C, and CET 2113C or CET 2114C; and Internship Office approval; **Effective Date:** Fall 2024 (202510).

### EET 2942 Internship in Electronics Engineering Technology, CCM

**Purpose:** Adjusted the prerequisites to the new course numbers; **Revised Prerequisites:** Satisfactory completion of all mandated courses in Reading, Mathematics, English, and English for Academic Purposes; and EET 1025C or EET 2035C or EET 2036C, CET 2113C or CET 2114C, EET 2141C, and ETS 2210C. 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; **Effective Date:** Fall 2024 (202510).

### ETS 2220C Intro to Fiber Optics, CCM

**Purpose:** The course prefix and/or title did not reflect the level of the course and the prerequisites; **Revised Course Title:** Principles of Fiber Optics Communication; **Revised Prerequisites:** MTB 1329 or MAC 1105 or higher; **Revised Corequisites:** ETS 2210C; **Effective Date:** Fall 2024 (202510).

### ETS 2221C Intro to Electro-Optical Devices, CCM

**Purpose:** The course prefix and/or title did not reflect the level of the course and the prerequisites; **Revised Course Title:** Electro-Optical Devices; **Revised Prerequisites:** ETS 2210C; **Effective Date:** Fall 2024 (202510).

### ETS 2230C Introduction to Lasers, CCM

**Purpose:** The course prefix and/or title did not reflect the level of the course and the prerequisites; **Revised Course Title:** Principles of Lasers; **Revised Prerequisites:** ETS 2210C; **Revised Course Description:** This course introduces students to the principles of laser operations, safety, and applications. Topics include: Elements and Operation of a Laser, Laser Safety, Emission and Absorption of Light, Lasing Action, Optical Cavities and Modes of Oscillation, Temporal and Spatial Characteristics of Lasers, and Laser Classifications and Characteristics. Laboratory experimentations will complement and reinforce the theoretical concepts of lecture material; **Effective Date:** Fall 2024 (202510).

### ETS 2511C Electromechanical Systems, CCM

**Purpose:** Prerequisite prefix changed. Course description and topics updated; **Revised Prerequisites:** EET 1025C or EET 2035C or EET 2036C; **Revised Course Description:** A study of devices and components that translate electrical energy into mechanical motion such as servo motors, stepping motors, solenoids, linear motors and actuators. The basic concepts and operational behavior of dc, induction, brushless dc, and stepper motors used in control applications are presented; **Effective Date:** Fall 2024 (202510).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### ETS 2542C Programmable Logic Controllers I, CCM

**Purpose:** Prerequisite changed; **Revised Course Title:** Programmable Logic Controllers; **Revised Prerequisites:** CET 2113C or CET 2114C.; **Effective Date:** Fall 2024 (202510).

### ETS 2544C Programmable Logic Controllers II, CCM

**Purpose:** Prerequisite changed; **Revised Course Title:** Advanced Programmable Logic Controllers; **Revised Prerequisites:** ETS 2542C; **Effective Date:** Fall 2024 (202510).

### CET 3464C Software Applications in Engineering Technology, CCM

**Purpose:** Adding the new Engineering Technology Math course, EGN 2045, as one of prerequisite options; **Revised Prerequisites:** Minimum grade of C in MAC 1114 and minimum grade of C in MAC 1140, or minimum grade of C in EGN 2045; **Effective Date:** Fall 2024 (202510).

### CET 4370C Advanced Programming Applications, CCM

**Purpose:** Adding EGN 3046 in the list of prerequisite options; **Revised Prerequisites:** Minimum grade of C in EGN 3428 or minimum grade of C in EGN 3046, and minimum grade of C in CET 3464C; **Effective Date:** Fall 2024 (202510).

### CET 4542 Computer Architecture and Data Communication, CCM

**Purpose:** Adding EGN 3046 in the list of prerequisite options; **Revised Prerequisites:** CET 2113C or CET 2114C, and a minimum grade of C in EGN 3046 or a minimum grade of C in EGN 3428, and CET 2123C; **Effective Date:** Fall 2024 (202510).

### CET 4663 Computer and Network Security, CCM

**Purpose:** Adding EGN 3046 in the list of prerequisite options; **Revised Prerequisites:** Minimum grade of C in EGN 3046 or minimum grade of C in EGN 3428, and CET 2123C; **Effective Date:** Fall 2024 (202510).

### COP 3275C C/C++ Programming for Engineering Technology, CCM

**Purpose:** Adding EGN 3046 in the list of prerequisite options; **Revised Prerequisites:** Minimum grade of C in MAC 2312 or minimum grade of C in EGN 3046; **Effective Date:** Fall 2024 (202510).

### EET 3086C Circuit Analysis, CCM

**Purpose:** Adding EET 2036C and EGN 3046 in the list of prerequisite options; **Revised Prerequisites:** EET 1025C or EET 1036C or EET 2035C or EET 2036C or minimum grade of C in EET 3081C, and minimum grades of C in EGN 3046 or minimum grade of C in EGN 3428, and minimum grade of C in CET 3464C; **Effective Date:** Fall 2024 (202510).

### EGN 3443 Probability and Statistics for Engineering Technology, CCM

**Purpose:** Adding EGN 3046 in the list of prerequisite options; **Revised Prerequisites:** Minimum grade of C in MAC 2312 or minimum grade of C in EGN 3046; **Effective Date:** Fall 2024 (202510).

### ETI 3116 Quality Assurance and Testing Methods, CCM

**Purpose:** Adding EGN 3046 in the list of prerequisite options; **Revised Prerequisites:** Minimum grade of C in MAC 2312 or minimum grade of C in EGN 3046; **Effective Date:** Fall 2024 (202510).



## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **NUR 3069C      Advanced Health Assessment, CCM.....M. Smythe**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Prerequisites:** NUR 3825; **Revised Catalog Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the principles and concepts of health and physical assessment for clients throughout the lifespan. Students will develop and refine skills in client assessment, communication, and health promotion; **Effective Date:** Fall 2024 (202510).

### **NUR 3125      Pathophysiology for Nursing Practice, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the basic concepts and processes of pathophysiology for common disease conditions. The content will build on earlier course work such as anatomy, physiology, microbiology, chemistry, and nutrition. The mechanisms of underlying clinical manifestations, prevention, and treatments will be discussed; **Effective Date:** Fall 2024 (202510).

### **NUR 3145      Pharmacology, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to focus on the effects of pharmacotherapy used in the treatment of selected illnesses, and the promotion, maintenance and restoration of wellness in diverse populations across the lifespan. Emphasis is placed on the concepts of pharmacodynamics and pharmacokinetics. Course outcomes include a detailed understanding of the nurse's role in safe drug administration, assessment of patient response to drug therapy, patient education, and evidence-based treatment guidelines. Legal and ethical principles of medication administration are reviewed; **Effective Date:** Fall 2024 (202510).

### **NUR 3169      Evidence and Research in Nursing Practice, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Prerequisites:** Minimum grades of C in STA 2023, NUR 3825; **Revised Catalog Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to focus on the processes required to integrate evidence and research into nursing practice. The primary emphasis is on skills to evaluate scientific evidence for nurse-sensitive quality markers so that students can utilize published healthcare research to influence practiced; **Effective Date:** Fall 2024 (202510).

### **NUR 3667      Diversity and Global Trends in Nursing, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the development of nursing competence in a diverse population. Global approaches to healthcare will be examined to aid the nurse in the development of professional nursing practice. Key issues and trends related to selected national and global healthcare topics will be explored. Specific attention will be given to basic health beliefs of selected cultures, health disparities, and under-served populations both nationally and internationally; **Effective Date:** Fall 2024 (202510).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **NUR 3825 Professions of Role Transformation, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course**

**Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the role expectation of the baccalaureate nurse by integrating the professional standards, ethical principles, and management roles as it relates to critical thinking as part of the global perspectives of the healthcare delivery system; **Effective Date:** Fall 2024 (202510).

### **NUR 3870 Informatics in Healthcare Nursing, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Prerequisites:** NUR 3825; **Revised Catalog Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to explore informatics nursing careers and the effective use of patient care technologies. The student will gain a basic understanding of the multidisciplinary combination of nursing science, computer science, information science and cognitive science. Additionally, this course will provide an introductory overview of relevant clinical information systems (CIS), basic informatics concepts, decision making support tools, and an examination of health information technologies that promote safety, improve quality, foster consumer centered care and efficiency; **Effective Date:** Fall 2024 (202510).

### **NUR 4257 Critical Care Nursing, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course**

**Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the integration of nursing knowledge and skills in caring for adult clients and their families impacted by critical illness. The emphasis is on both pathophysiology and clinical management; **Effective Date:** Fall 2024 (202510).

### **NUR 4286 Gerontological Nursing, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Prerequisites:** NUR 3825; **Revised Catalog Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the process of aging. Physical, psychological, sociocultural, and spiritual aspects of aging are examined within the context of the family and society. Advanced theoretical concepts of aging will be examined using the nursing process. The course will also present the unique health care needs of the older adult and introduce students to how nursing approaches manage those needs. Ethical/legal issues related to the nursing care of the older adults are explored; **Effective Date:** Fall 2024 (202510).

### **NUR 4829 Leadership and Management in Nursing, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course**

**Description:** This course uses a competency-based conceptual framework to examine leadership and management concepts used to address complex micro-system issues within selected healthcare organizations. Emphasis is on the application of advanced communication skills in collaboration with inter-professional teams. The focus is on the interrelationship of selected roles within the context of specific theoretical frameworks and models of care; **Effective Date:** Fall 2024 (202510).

### **NUR 4837 Healthcare Policy and Economics in Nursing, CCM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course**

**Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the foundations of healthcare policy that impact nursing practice and client care. Students will participate in a critical analysis of current legislative issues, economic constraints, and political controversies that influence emerging trends in nursing practice and health care systems. Course content will include an appraisal of the implications of policy and economics on issues of access, equity, affordability, health disparities, and social justice in health care. Students will gain knowledge that prepares them to assume leadership roles in health policy development; **Effective Date:** Fall 2024 (202510).

### **NUR 4945C      Nursing Capstone, CCM**

**Purpose:** Transition to AACN Essentials 21 competency-based education curriculum; **Revised Catalog Course**

**Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine previous learning and provide the student with experiential learning in select practice settings. The student will integrate nursing research knowledge, leadership and management, and nursing theories to design, implement, or lead a project that will improve patient/population outcomes and facilitate the transition to professional practice. The student must have a current Florida RN license to enroll in this course. This course requires students to complete a capstone experiential learning project in the last term of the BSN program. The capstone project will be based on an agreement between the student, and the experiential learning site with supervision from the faculty coordinator of experiential learning; **Effective Date:** Fall 2024 (202510).

### **SYG 2000      Introductory Sociology, CCM**

**Purpose:** Opt into General Education Institutional options. Removed from Core and added to Institutional, thus ENC 1101 is a prerequisite.; **Effective Date:** Fall 2024 (202510).

### **STA 2023      Statistical Methods, CCM**

**Purpose:** Prereq changes; The test placement for STA2023 will be shifted to a placement score comparable to placement into MAT 1033C (e.g., STA 2023 PERT score placement would now be 114 instead of 123). **Revised Prerequisites:** MAC 1105, MGF 1106, or MGF 1130, or MGF 1131, or MAT 1033C or higher, or an appropriate score on an approved assessment; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Prereq changes; The test placement for STA2023 will be shifted to a placement score comparable to placement into MAT 1033C (e.g., STA 2023 PERT score placement would now be 114 instead of 123). **Revised Prerequisites:** MAC 1105, MGF 1106, or MGF 1130, or MGF 1131, or MAT 1033C or higher, or an appropriate score on an approved assessment; **Effective Date:** Fall 2024 (202510).

### **SYG 2000      Introductory Sociology, CCM**

**Purpose:** Changes made to move SYG 2000 from core to institutional and course description change to reflect the course description approved by the state; **Revised Prerequisites:** Minimum grade of C in ENC 1101; **Revised Course Description:** In this course, students will gain an understanding of the basic sociological concepts and vocabulary, including the methodological tools, sociological perspectives, and scientific procedures used by social scientists to collect data and conduct research. Topics generally include: society and culture, institutions, socialization, social control, influences, crime, change, groups, sex, race and ethnicity, family, class, and population; **Effective Date:** Fall 2024 (202510).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### PHY 2054C College physics II with Algebra and Trigonometry, CCM

**Purpose:** Prereq changes; **Revised Prerequisites:** Minimum grade of C in PHY 2053C or PHY 2048C; **Effective Date:** Fall 2024 (202510).

### HSC 2721 Accessing and Analyzing Health Information, CCM

**Purpose:** To align better with the state course description; **Revised Course Description:** This course focuses on providing students with the comprehensive knowledge and skill base needed to make evidence-based decisions. This course introduces the most frequently used statistical techniques for analyzing healthcare data. The course explores concepts related to complex data analysis within the healthcare environment and will focus on healthcare practice outcomes for quality improvement. Methods of critical evaluation of data needed to support planning, implementation, and evaluation will be emphasized. Students will address concerns in the professional work setting by analyzing decisions made through use of evidence; **Effective Date:** Fall 2024 (202510).

### ETM 1602C Automated Electrical Systems and Devices, CCM

**Purpose:** MGF 1106 deletion; **Revised Prerequisites:** ETM 1601C and one of the following: PHY 1020, MGF 1130 or any Gen. Ed. Math., MAC 1105 or higher, STA 2023; **Effective Date:** Fall 2024 (202510).

### ETM 2606C Programming Building Automation, CCM

**Purpose:** Removal of ETM 1601C as a course prerequisite. ETM 1601C is already a prerequisite for ETM 1602C, which currently is a prerequisite for the course; **Revised Prerequisites:** ETM 1602C or EET 1214C, COP 1000C; **Effective Date:** Fall 2024 (202510).

### ETM 2607C Troubleshooting Automation and Control Systems, CCM

**Purpose:** Removal of ETM 1601C as a course prerequisite. ETM 1601C is already a prerequisite for ETM 1602C, which currently is a prerequisite for the course. Adding ETM 1604C for an improved success rate in the course; **Revised Prerequisites:** ETM 1602C or EET 1214C, ETM 1603C, ETM 1604C, ETM 2605C; **Effective Date:** Fall 2024 (202510).

### ETM 2609C Capstone in Energy Management, CCM

**Purpose:** Adding ETM 2606C and ETM 2608C for an improved success rate in the course; **Revised Prerequisites:** ETM 2606C, ETM 2607C, ETM 2608C; **Effective Date:** Fall 2024 (202510).

### NUR 1100C ATN - Transition into Professional Nursing Concepts, CCM

**Purpose:** Lab incorrect; **Revised Credit/Contact/Lab Hours:** 4/8/6; **Effective Date:** Spring 2024 (202420).

### NUR 2000C ATN Concepts of Patient Care Management and Leadership-Practicum, CCM

**Purpose:** Lab incorrect; **Revised Credit/Contact/Lab Hours:** 5/3/6; **Effective Date:** Spring 2024 (202420).

### ATN Concepts of Adult Health II, CCM

**Purpose:** Lab incorrect; **Revised Credit/Contact/Lab Hours:** 5/3/6; **Effective Date:** Spring 2024 (202420).

### NUR 2223C Health and Illness Concepts of Adult Health II, CCM

**Purpose:** The 23/24 curriculum was changed to allow only one pathway but added an extra semester to increase student success; **Revised Prerequisites:** Admission to Nursing A.S. Degree, and minimum grades of C in BSC 2094C, NUR

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

1020C, NUR 1060C, NUR 1141C, NUR 2522C, NUR 2221C; **Revised Corequisites:** NUR 1470C; **Effective Date:** Spring 2024 (202420).

### **NUR 2440C      ATN-Concepts of Maternal Child Health, CCM**

**Purpose:** Contact hour breakdown incorrect; **Revised Credit/Contact/Lab Hours:** 3/5/3; **Effective Date:** Spring 2024 (202420).

### **NUR 2822C      Professional Nursing and Health Care, CCM**

**Purpose:** The 23/24 curriculum was changed to allow only one pathway but added an extra semester to increase student success. NUR 2811L was deleted and the course was combined into NUR 2822C. The department needs to request an additional course as some students still need the previously deleted course; **Revised Credit/Contact/Lab Hours:** 6/12/4; **Revised Prerequisites:** Admission to Nursing A.S. Degree, minimum grades of C in BSC 2094C, NUR 1020C, NUR 1061C, NUR 2522C, NUR 1141C, NUR 2221C, NUR 1407C, NUR 2223C; **Corequisites:** None; **Effective Date:** Fall 2024 (202510).

### **NUR 2933C      ATN-Concepts of Maternal Child Health, CCM**

**Purpose:** Contact hour breakdown incorrect; **Revised Credit/Contact/Lab Hours:** 5/9/6; **Effective Date:** Spring 2024 (202420).

### **NUR 3678      Nursing Care of Vulnerable Populations, CCM**

**Purpose:** The 23/24 curriculum was changed to allow only one pathway but added an extra semester to increase student success; **Revised Prerequisites:** NUR 3825; **Revised Corequisites:** NUR 3825; **Revised Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine the materials from different cultures and at-risk groups of individuals considered to be vulnerable populations. Key concepts will be discussed that will provide a basic structure for caring for the vulnerable, the relevance of nursing theories to vulnerable populations, nursing research showing the kinds of phenomena nurses study, and many ideas about learning to work with and advocate for vulnerable individuals; **Effective Date:** Spring 2024 (202420).

### **NUR 3634      Community Health Nursing, CCM**

**Purpose:** Change to appropriate name for the course. Course code reflect experiential learning. Course outcomes revised to align with competency-based education model. TVCA competencies added; **Revised Course Title:** Community and Public Health Nursing; **Revised Credit/Contact/Lab Hours:** 3/3/0; **Revised Prerequisites:** NUR 3825, NUR 3169; **Revised Corequisites:** None; **Revised Course Description:** This course uses a competency-based conceptual framework to provide online RN to BSN students the opportunity to examine concepts of community and public health nursing focus on the community as a client and nursing interventions utilized across the lifespan. This course is designed to provide students the opportunity to assist culturally diverse populations and aggregates in the community to achieve an optimum level of wellness. Special emphasis is placed on advanced theoretical concepts related to health promotion, risk reduction, disease prevention, and development processes. This course requires students to complete experiential learning through live and virtual activities supervised by the faculty coordinator of experiential learning; **Effective Date:** Spring 2024 (202420).

### **ACG 3024      Accounting and Financial Analysis for Managers, CCM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Replace MGF 1106 & 1107 with MGF 1130 and 1131 to align with new state math pathways; **Revised Prerequisites:** Admission to the B.A.S degree in Business and Organizational Leadership, 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 1130 or MGF 1131 or MTB 1103, or departmental approval; **Effective Date:** Fall 2024 (202510).

### **EET 1015C      Fundamentals of DC Circuits, CCM**

**Purpose:** Remove MGF 1106 from the prereq options as it will not be taught beginning Fall 2024; **Revised Prerequisites:** EET 1214C and either MTB 1329 or MAC 1105 or department approval; **Effective Date:** Fall 2024 (202510).

### **ETS 1603C      Fundamentals of Robotics and Simulation, CCM**

**Purpose:** Remove MGF 1106 from the prereq options as it will not be taught beginning Fall 2024; **Revised Prerequisites:** MTB 1329 or MAC 1105 and EET 1214C or EET 1084C or department approval; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Replace MGF 1106 & 1107 with MGF 1130 and 1131 to align with new state math pathways; **Revised Prerequisites:** Admission to the B.A.S degree in Business and Organizational Leadership, 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 1130, or MGF 1131, or MTB 1103, or departmental approval; **Effective Date:** Fall 2024 (202510).

### **HFT 2401      Hospitality Industry Financial Accounting, CCM**

**Purpose:** Replace MGF 1106 & 1107 with MGF 1130 and 1131 to align with new state math pathways; **Revised Prerequisites:** MAC 1105 or MGF 1130; **Effective Date:** Fall 2024 (202510).

### **MMC 2450      Data Literacy for Communicators, CCM.....C. Robinson**

**Purpose:** Replace MGF 1106 & 1107 with MGF 1130 and 1131 to align with new state math pathways; **Revised Prerequisites:** Recommend MGF 1130 or higher level statistics course; **Effective Date:** Fall 2024 (202510).

## CREDIT COURSE DELETIONS

### **AST 2930      Selected Topics in Astronomy, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes; **Effective Date:** Fall 2023 (202410).

### **BCN 2941      Selected Topics in Building Construction, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes; **Effective Date:** Fall 2023 (202410).

### **BOT 2932      Selected Topics in Botany, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes; **Effective Date:** Fall 2023 (202410).

### **BSC 1005L      Lab in Applied Biology, CCD**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

**BSC 1020C Human Biology Combined, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

**CJK 0023 Intro to Law Enforcement, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

**CJK 0024 Legal Concepts, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

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

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

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

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

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

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

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

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

**ETD 2930 Selected Topics in Drafting and Design Technology, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

**FRE 2200 Intermediate French I, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

**FRE 2201 Intermediate French II, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410)

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **FRE 2930 Selected Topics in French, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **GLY 2951C Geology Summer Field Course, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **ITA 1120 Elementary Italian I, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **ITA 1121 Elementary Italian II, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OCB 2010C Marine Biology, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OCB 2930 Selected Topics in Marine Biology, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **PCB 2340 Field Biology, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **PCB 2350 Neotropical Biology, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **PCB 2930 Selected Topics in Ecology, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **POR 1340 Portuguese for Heritage Speakers I, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).



## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **POR 1341 Portuguese for Heritage Speakers II, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **POR 2930 Selected Topics in Portuguese, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **SUR 2400 Legal Aspects of Surveying, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **SUR 2941 Internship Exploration in Surveying, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **ZOO 2930 Selected Topics in Zoology, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **BCN 2930 Selected Topics in Building Construction, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **BCT 2930 Alternate & Renewable Energy (Germany and Switzerland), CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **CJK 0029 Crime Scene and Courtroom Procedures, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **FSS 1400 Intro to Culinary and Pastry, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **GEB 1136 Foundations of E-Business, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **GEB 2930 Selected Topics in Business, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **GEB 2955 Immersion in Global Business, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **HFT 2944 Hospitality Management Field Experience I, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **HFT 2945 Hospitality Management Field Experience II, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **HFT 2946 Hospitality Management Field Experience III, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **MAE 2801 Elementary School Math Curriculum and Instruction, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **MAN 2934 Selected Topics in Management, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **NUR 2942 Internship in Nursing, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **NUR 3930 Selected Topics in Baccalaureate Nursing, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **MAS 2103 Intro to Linear Algebra, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **MAT 0055                      Developmental Math Module I, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **MAT 0056                      Developmental Math Module II, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OST 1108C                    Building Keyboarding Speed and Accuracy, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OST 2450C                    ICD Coding I, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OST 2452C                    Advanced ICD-9 Coding, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OST 2453C                    CPT-4 Medical Coding, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OST 2454C                    Advanced CPT-4 Medical Coding, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **OST 2466C                    Capstone Simulation for Coding, CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

### **BCT 2930                    Alt. and Renewable Energy (Germany and Switzerland), CCD**

**Purpose:** SCNS courses not taught in 5 years are required to be removed per section 1007.24 (9)(d), Florida Statutes;  
**Effective Date:** Fall 2023 (202410).

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

**Purpose:** Course will no longer be offered as of Fall 2024. Course is not a required course for any program; **Effective Date:** Fall 2024 (202510).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### STA 1001C Introduction to Statistical Reasoning, CCD

**Purpose:** The course is no longer being offered and has been removed as a prerequisite from other math courses;  
**Effective Date:** Fall 2024 (202510).

### RED 3551 Foundations of Assessment, CCD

**Purpose:** RED 3551 will be replaced in the EPI program by the new RED 4352 which is shared with the BS in Elementary Education degree. End date for offering RED 3551 should be summer 2025 or 202530; **Effective Date:** Fall 2024 (202510).

### CET 2113C Digital Systems II, CCD

**Purpose:** Deleted course; **Effective Date:** Fall 2024 (202510).

### EET 1036C Fundamentals of DC and AC Circuits, CCD

**Purpose:** Revise course number; **Revised Course Number:** EET 2036C; **Effective Date:** Fall 2024 (202510).

### EET 1141C Semiconductor Devices & Circuits, CCD

**Purpose:** Revise course number; **Revised Course Number:** EET 2141CC; **Effective Date:** Fall 2024 (202510).

### ETS 1210C Intro to Photonics, CCD

**Purpose:** Revise course number; **Revised Course Number:** ETS 2210C; **Effective Date:** Fall 2024 (202510).

### NUR 1003C Transition into Professional Nursing, CCD

**Purpose:** This course is no longer offered. We have taught this course out of the program; **Effective Date:** Fall 2024 (202510).

### NUR 1021C Nursing I, CCD

**Purpose:** This course is no longer offered. We have taught this course out of the program; **Effective Date:** Fall 2024 (202510).

### NUR 1032C Nursing II, CCD

**Purpose:** This course is no longer offered. We have taught this course out of the program; **Effective Date:** Fall 2024 (202510).

### ETS 1210C Intro to Photonics, CCD

**Purpose:** Revise course number; **Revised Course Number:** ETS 2210C; **Effective Date:** Fall 2024 (202510).

### NUR 1060C Health Assessment Across the Lifespan, CCD

**Purpose:** Curriculum change, course no longer offered; **Effective Date:** Fall 2024 (202510).

### NUR 1401C Nursing III, CCD

**Purpose:** Curriculum change, course no longer offered; **Effective Date:** Fall 2024 (202510).

### NUR 2204C Nursing IV, CCD

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Curriculum change, course no longer offered; **Effective Date:** Fall 2024 (202510).

### **NUR 2313C Maternal Child Nursing, CCD**

**Purpose:** Curriculum change, course no longer offered; **Effective Date:** Fall 2024 (202510).

### **NUR 2823C Nursing V, CCD**

**Purpose:** Curriculum change, course no longer offered; **Effective Date:** Fall 2024 (202510).

### **NUR 2832C Nursing VI, CCD**

**Purpose:** Curriculum change, course no longer offered; **Effective Date:** Fall 2024 (202510).

## PROGRAM ADDITIONS

### **BAS Public Safety Administration, CPA**

**Purpose:** BAS in Public Safety Administration. This program has been approved by Senior Team and the state Department of Education; **Effective Date:** Summer 2024 (202430).

*The department did research and got feedback from the community to determine that this degree was needed. They organized the courses to ensure that AS and AA degree students complete the same number of hours in the BAS. They designed it so the AS students wouldn't be disadvantaged. Tracks will be added in the next few years. Students will also be able to complete some certificates and additional credentials.*

### **ATC in Chocolates and Confectionary Arts, CPA**

**Purpose:** This is in addition to students to earn an Advanced Technical Certificate in Chocolates after graduation from the Pastry Program, this also allows chef professionals in the industry to advance as well; **Effective Date:** Spring 2024 (202420).

### **B.S. in Elementary Education, CPA – pending state approval**

**Purpose:** New program offering; **Effective Date:** Fall 2024 (202510).

### **Advanced Technical Certificate in Human Resource Management, CPA**

**Purpose:** Adding an ATC for the HR Management Concentration within BASBOL. This certificate helps individuals prepare to take industry-standard exams; Students need to have an AS or an AA in order to earn this ATC and will be eligible to test for SHRM certification. **Effective Date:** Fall 2024 (202510).

### **Health Navigator A.S. Degree Surgical Technology Track, CPA.....B. Pierre**

**Purpose:** Health Navigator A.S. Degree Surgical Technology Pathway (Limited Access). Health Navigator A.S. Degree has been identified as the degree for which OTC's Surgical Technology students shall be awarded upon completion of credit courses at Valencia and the clock-hour Surgical Technology program at OTC. Edited Science course to note "Choose any two". Program is limited access, so students must apply and be accepted; **Effective Date:** Fall 2024 (202510).

## PROGRAM MODIFICATIONS

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **A.S. in Baking and Pastry Management, CPM**

**Purpose:** Adding electives in Lieu of industry experience or international students needing an internship; **Effective Date:** Fall 2024 (202510).

### **A.S. in Culinary Management, CPM**

**Purpose:** Updated to reflect changes across the board in other internship wording; **Effective Date:** Fall 2024 (202510).

### **Baking and Pastry Arts TC, CPM**

**Purpose:** Adding electives in Lieu of industry experience or international students needing an internship; **Effective Date:** Fall 2024 (202510).

### **Culinary Arts TC, CPM**

**Purpose:** Adding electives in Lieu of industry experience or international students needing an internship; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Change to allow either Macro Economics or Micro Economics course. The state allows both; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** To enhance the overall learning experience of our EMCT students by providing courses with similar LOs that offer more sections from which students may choose. To also possibly increase student enrollment, retention, and completion rates as EMCT students will be learning right alongside other students within the division who may become curious about the EMCT AS degree and a career in the Building Automation Systems industry; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** CIS 3304C was removed as a program-wide core requirement, and each concentration was updated in its place. CIS 3304C was added as a concentration requirement for the Cloud Computing concentration, and COP 4530C was added as a concentration requirement for the Software Development concentration. CAP was added as a prefix that can be used for the 3 credits of restricted electives for the Software Development concentration; **Effective Date:** Fall 2024 (202510).

### **A.S. in Graphic and Interactive Design, CPM**

**Purpose:** Adding new course, GRA 2108C Design Studio to the approved list of graphics electives; **Effective Date:** Fall 2024 (202510).

### **A.S. in Health Navigator, CPM**

**Purpose:** LOA Program Review; **Effective Date:** Fall 2024 (202510).

### **Health Care Specialist TC, CPM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** LOA Program Review; **Effective Date:** Fall 2024 (202510).

### **Audiovisual Production TC, CPM**

**Purpose:** Overall program change. Addition of optional course. Correction of course number; **Effective Date:** Fall 2024 (202510).

### **Digital Music Production Certificate, CPM**

**Purpose:** Correct a course number. Add an alternative course; **Effective Date:** Fall 2024 (202510).

### **Associate in Arts-General Education, CPM**

**Purpose:** Remove MGF 1106 from the core and add MGF 1130 per State requirement; **Effective Date:** Fall 2024 (202510).

### **Associate in Science-General Education, CPM**

**Purpose:** Remove MGF 1106 from the core and add MGF 1130 per State requirement; **Effective Date:** Fall 2024 (202510).

### **A.S. in Computer Aided Drafting and Design, CPM**

**Purpose:** State DoE has reduced the required credit hours to 60 in the 2023-34 Curriculum Framework. This will reduce the required number of elective credits from 8 to 6; **Effective Date:** Fall 2023 (202410).

### **A.S. in Science, Technology, Engineering and Math (STEM), CPM**

**Purpose:** Modifying the program outcomes. Add EGN 2210C to one of the engineering major; **Effective Date:** Fall 2024 (202510).

### **A.S. in Cybersecurity & Network Engineering Technology, CPM**

**Purpose:** Add the "+" to the footnote of every class to indicate a min grade of C requirement; **Effective Date:** Fall 2024 (202510).

### **Linux Enterprise Server Administration, CPM**

**Purpose:** Remove CET 2830C. Add CNT 2000C; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** The program title is being changed to have a better alignment with the industry skills students are acquiring and to help with recognition. Changes for electives: ETM2607C was removed due to a large number of prerequisites being needed. Added ETS1210C, ETM1600C, and ETS2544C. Added a note to broaden the options for students by allowing them to choose any ETI, ETS, ETM course; **Revised Program Title:** A.S in Advanced Manufacturing and Automation Technology; **Effective Date:** Fall 2024 (202510).

Their goal is to increase enrollment and make it easier for interested students to find the program. They are offering more electives to make the program more attractive and give students more options. There was a question about the

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

prerequisite requirement of the courses being added, especially in the PLC course. They do not foresee having many students using that option, but they can be approved to take the PLC II course with department approval versus being required to take all the prerequisites.

### **Support Specialist, CPM**

**Purpose:** Changed the name of the certificate to reflect the name that the state has registered. All the other colleges in Florida that offer this certificate call it an Engineering Technology Support Specialist vs a Technology Support Specialist; **Revised Program Title:** Engineering Technology Support Specialist; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** 1. CIS 3304C was removed as a program-wide core requirement, and each concentration was updated in its place. CIS 3304C was added as a concentration requirement for the Cloud Computing concentration, and COP 4530C was added as a concentration requirement for the Software Development concentration. 2. CAP was added as a prefix that can be used for the 3 credits of restricted electives for the Software Development concentration; **Effective Date:** Fall 2024 (202510).

### **Baking and Pastry Arts TC, CPM**

**Purpose:** Adding electives in Lieu of industry experience or international students needing an internship and we are changing the FOS2201 Sanitation course to an intermediate course; **Effective Date:** Fall 2024 (202510).

### **Baking and Pastry Specialist TC, CPM**

**Purpose:** We are moving the sanitation to an intermediate course in the sequences of courses; **Effective Date:** Fall 2024 (202510).

### **Chef's Apprentice (Hospitality and Tourism Institute) Certificate, CPM**

**Purpose:** We are changing the FOS2201 Sanitation course to an intermediate course so for certifications the course can be moved further into the certificate sequence; **Effective Date:** Fall 2024 (202510).

### **Culinary Arts Management TC, CPM**

**Purpose:** We are changing the FOS2201 Sanitation course to an intermediate course so for certifications the course can be moved further into the certificate sequence; **Effective Date:** Fall 2024 (202510).

### **Culinary Arts TC, CPM**

**Purpose:** Adding electives in Lieu of industry experience or international students needing an internship and we are changing the FOS2201 Sanitation course to an intermediate course; **Effective Date:** Fall 2024 (202510).

### **Pastry Chef's Apprentice TC, CPM**

**Purpose:** We are changing the FOS2201 Sanitation course to an intermediate course so for certifications the course can be moved further into the certificate sequence; **Effective Date:** Fall 2024 (202510).

### **A.S. in Baking and Pastry Management, CPM**



## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** Adding electives in Lieu of industry experience or international students needing an internship and we are changing the FOS2201 Sanitation course to an intermediate course; **Effective Date:** Fall 2024 (202510).

### **A.S. in Culinary Management, CPM**

**Purpose:** Updated to reflect changes across the board in other internship wording and we are changing the FOS2201 Sanitation course to an intermediate course; **Effective Date:** Fall 2024 (202510).

### **A.S. in Audio Technology & Sound Production, CPM**

**Purpose:** Changes in the Curriculum for EET courses. Replacing courses where the suffix C or L was either dropped or changed; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Deletion of Aviator College Track; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Adding several new courses and an existing course using CAD as elective course options for the program; **Effective Date:** Fall 2024 (202510).

### **Plant Science Technician Certificate, CPM**

**Purpose:** Added new courses as electives based on advisory committee recommendations, including an existing course using CAD; **Effective Date:** Fall 2024 (202510).

### **A.S. in Electrical and Computer Engineering Technology, CPM**

**Purpose:** Course updates and BS ECET program modifications (math sequence); **Effective Date:** Fall 2024 (202510).

### **B.S. in Electrical and Computer Engineering Technology, CPM**

**Purpose:** (i) Presenting all the program requirements on a single page instead of dividing them between A.S. and A.A. tracks. This will clearly show any student who is applying for the program the coursework that they will have to finish in order to graduate. (ii) The program is making changes to the admission requirements. The current admission requirements are Calculus I (MAC 2311), Calculus II (MAC 2312), and Physics I (PHY 2048C). The revised admission requirements are College Trigonometry (MAC 1114) and Physics I (PHY 2053C or PHY2048C). (iii) The program is introducing two new Calculus for Engineering Technology courses that students will be able to take once they are admitted to the program. The first course will be part of the A.S. ECET program and the second course will be offered under the B.S. ECET program. These courses will concentrate on the important topics of Calculus from Precalculus Algebra, Calculus I, Calculus II, and Differential Equations required for Engineering Technology students with a focus on the applications in the engineering and technology fields. (iv) To make room for the two new Calculus for Engineering Technology courses, an advanced-level math course and a statistics course have been removed from the program. Calculus II for Engineering Technology will cover the required topics discussed in the advanced math course (EGN 3428), and required statistical topics are discussed in the Quality Assurance (ETI 3116) course. (v) Adding more courses to the advanced technical electives list; **Effective Date:** Fall 2024 (202510).

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

### **Bachelor of Applied Science in Business and Organizational Leadership, CPM**

**Purpose:** We are adding the new Human Resource Management concentration to the BASBOL program, also swap MGF 1106 for 1130; **Effective Date:** Fall 2024 (202510).

### **A.S. in Science, Technology, Engineering and Math (STEM), CPM**

**Purpose:** Adding a new Photonic specialization; **Effective Date:** Fall 2024 (202510).

### **Fire Science Technology Academy Track, CPM**

**Purpose:** To delete a course, HSC 1531 MEDICAL TERMINOLOGY, that has proven unnecessary and replace it with a course, the advisory council requested FFP 1302 APPARATUS OPERATIONS. This will make the students eligible for the State Pump Operator certification exam through the Florida State Fire College. Replace MGF 1106 with MGF 1130 as MGF 1106 will no longer be taught. Remove Philosophy and replace with Fire Behavior and Combustion; **Effective Date:** Fall 2024 (202510).

### **A.S. in Audio Technology & Sound Production, CPM**

**Purpose:** The previously required math course, MGF 1106, will no longer exist starting with the 24-25 course catalog. It will be replaced with MGF 1130; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** The previously required math course, MGF 1106, will no longer exist starting with the 24-25 course catalog. It will be replaced with MGF 1130; **Effective Date:** Fall 2024 (202510).

### **A.S. in Property Management, CPM**

**Purpose:** Catalog did not read clearly the internship and elective requirements. We updated the verbiage to add clarity for students and advisors; **Effective Date:** Fall 2024 (202510).

### **Criminal Justice - Law Enforcement Academy Track, CPM**

**Purpose:** Swap MGF 1130 for MGF 1106; **Effective Date:** Fall 2024 (202510).

### **Criminal Justice Experiential Learning Program - Corrections Officer Track, CPM**

**Purpose:** Swap MGF 1130 for MGF 1106; **Effective Date:** Fall 2024 (202510).

### **Criminal Justice Experiential Learning Program – Law Enforcement Track, CPM**

**Purpose:** Swap MGF 1130 for MGF 1106; **Effective Date:** Fall 2024 (202510).

### **A.S. in Criminal Justice, CPM**

**Purpose:** Swap MGF 1130 for MGF 1106; **Effective Date:** Fall 2024 (202510).

### **A.S in Health Navigator, CPM**

**Purpose:** Deletion of Developmental Psychology and addition of Civic Literacy requirement; **Effective Date:** Fall 2024 (202510).

### **Health Care Specialist Technical Certificate, CPM**

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** For students that want to go into any of their programs. Modified to give options to students for different pathways for the different professional programs. Hoping to increase enrollment with these changes. MGF 1106 should be replaced with MFG 1130; **Effective Date:** Fall 2024 (202510).

### **Advanced Electronics Technician TC, CPM**

**Purpose:** Adding the new courses (EET 2036C, EGN 2045); **Effective Date:** Fall 2024 (202510).

### **Basic Electronics Technician TC, CPM**

**Purpose:** Adding new the new course (EET 2036C); **Effective Date:** Fall 2024 (202510).

### **Laser and Photonics Technician TC, CPM**

**Purpose:** Adding new the new photonics courses; **Effective Date:** Fall 2024 (202510).

### **Robotics Applications Technician TC, CPM**

**Purpose:** Remove MGF 1106; **Effective Date:** Fall 2024 (202510).

### **A.S. in Nursing (Articulated A.S. to B.S. Career Path), CPM**

**Purpose:** The general education math course MGF1106 is no longer going to be offered; **Effective Date:** Fall 2024 (202510).

### **Associate in Arts-General Education, CPM**

**Purpose:** Update Core math, science and social sciences courses. Add SYG 2000 to institutional social science; **Effective Date:** Fall 2024 (202510).

### **Associate in Science-General Education, CPM**

**Purpose:** Add MGF 1130, MGF 1131, GLY 2010C, OCE 1001, AMH 2010 to Gen Ed; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Edit footnotes to replace MGF 1106 with MGF 1130 as MGF 1106 will no longer be offered; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** Career path: Remove MGF 1106 and replace with MGF 1130 as MGF 1106 will no longer be offered. AS to BS: Remove MGF option as UCF will not use MGF 1130 as a prerequisite for STA 2023; **Effective Date:** Fall 2024 (202510).

### **A.S. in New Media Communication, CPM**

**Purpose:** Replace MGF 1106 with MGF 1130 as MGF 1106 will not be in Gen Ed Core effective Fall 2024; **Effective Date:** Fall 2024 (202510).

## PROGRAM DELETIONS

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

## SUMMARY OF SUBSTANTIVE CATALOG CHANGES FOR 2024-25

**Purpose:** A new program form has been submitted with both A.S. and A.A. tracks under one document; **Effective Date:** Fall 2024 (202510).

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

**Purpose:** A new program form has been submitted with both A.S. and A.A. tracks under one document; **Effective Date:** Fall 2024 (202510).