

COLLEGE CURRICULUM COMMITTEE
November 13, 2024

MINUTES

1. **Welcome to the Committee Members and Visitors.**

Ravi Varma opened the meeting with a welcome.

2. **Review of Minutes:** October 2024

<https://valenciacollege.edu/employees/organizations-committees/college-curriculum-committee/meetings.php>

The minutes were approved by consensus.

3. **Consent Agenda:** Course modifications or deletions involving minor editing of course descriptions or level changes which do not impact other departments are eligible for placement on the consent agenda. Any members of the committee may request to remove a proposal from the consent agenda for the purpose of discussion.

a) The following course(s) have outlines in Course Information Management that may be accessed through ATLAS (course additions, modifications or deletions):

BSC 1005C
CAI 1700, CAI 2100, CAI 2200, CAI 2300
CET 2486C
EDF 2051
EDG 2413
EGN 2332C, EGN 2421
EGS 2004C
FIN 2100
FSS 1051C, FSS 2074C
IDH 2930
OCE 1001H

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

BSC 1005, BSC 1005H
EDF 2291, EDF 3609, EDF 3940
EEX 3084
FSS 1068C, FSS 1075C, FSS 2052C, FSS 2068C,
RED 4352
SCE 3310, SCE 3832
TPA 2030C, TPA 2063C, TPA 2252C, TPA 2260C

The consent agenda was approved by consensus.

4. **Regular Agenda:**

2425-037 CET 2486C Local Area Networks, CCM.....Soheyly Nakhai

Purpose: Changing the course description and the course outline to match the latest CCNA certification; **Revised Course Description:** This course introduces the architectures, models, protocols, and networking elements that connect users, devices, applications and data through the internet and across modern computer networks - including IP addressing and Ethernet fundamentals. By the end of the course, students can build simple local area networks (LANs) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches. This is the first of a three-part series designed to prepare students for the Cisco Certified Networking Associate exam; **Effective Date:** Fall 2025 (202610).

There was a question if the other two courses need additional changes.

Proposal 2425-037 was approved by consensus.

2425-038 BSC 1005C Biological Science Combined, CCM.....H. Patil

Purpose: Curriculum revisions for core general education courses to align with the state LOs; **Revised Course Description:** Combination of BSC 1005 and BSC 1005L with class and lab combined. This course applies the scientific method to critically examine and explain the natural world, including but not limited to cells, organisms, genetics, evolution, ecology, and behavior; **Effective Date:** Spring 2025 (202520).

These changes were a part of the state core requirements and should have been included in the state course changes that were made effective for last fall.

Proposal 2425-038 was approved by consensus.

2425-039 EDF 2051 Teaching and Learning Theory, CCM.....Ellen Costello

Purpose: To comply with HB 1291 effective July 1, 2024; **Revised Course 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 a variety of learners; **Effective Date:** Fall 2024.

The department is implementing changes to not conflict with the statute.

Teacher preparation program courses:

- 1. May not distort significant historical events or include a curriculum or instruction that teaches identity politics, violates s. 1000.05, or is based on theories that systemic racism, sexism, oppression, and privilege are inherent in the institutions of the United States and were created to maintain social, political, and economic inequities.*
- 2. Must afford candidates the opportunity to think critically, achieve mastery of academic program content, learn instructional strategies, and demonstrate competence.*

Proposal 2425-039 was approved by consensus.

2425-040 EDG 2413 Student-Centered Classroom Learning Environments, CCM.....Ellen Costello

Purpose: To comply with HB 1291 effective July 1, 2024; **Revised Course Description:** This course provides Florida Educator Accomplished Practices-aligned knowledge and skills for teachers and prospective teachers to maintain a student-centered learning environment that is safe, organized, equitable, flexible, inclusive, and collaborative for all students; **Effective Date:** Fall 2024.

The department is implementing changes to not conflict with the following statute:

Teacher preparation program courses:

- 1. May not distort significant historical events or include a curriculum or instruction that teaches identity politics, violates s. 1000.05, or is based on theories that systemic racism, sexism, oppression, and privilege are inherent in the institutions of the United States and were created to maintain social, political, and economic inequities.*
- 2. Must afford candidates the opportunity to think critically, achieve mastery of academic program content, learn instructional strategies, and demonstrate competence.*

Proposal 2425-040 was approved by consensus.

2425-041 FIN 2100 Personal Finance, CCM.....C. Munley

Purpose: Adding prereq based on input from Advisory Committee and IR request showing the success rates of students who took ACG2021C before any Finance course (15% higher). Per Program Review and information received from IR, students have higher success rates in FIN courses when ACG 2021C or MTB 1103 or APA 1111C is completed first. ACG 2021C and MTB 1103 are requirements in the A.S. Business Administration degree and APA 1111C is an accepted elective and a course taken by many A.A. students who take the FIN courses. The course description, major topics, and learning outcomes were updated to better align with the course content; **Revised Prerequisites:** ACG 2021C or MTB 1103 or APA 1111C; **Revised Course Description:** This course provides a foundational understanding for making informed personal financial decisions. Topics include personal financial planning, budgeting, credit management, tax planning, insurance protection, personal investing, and retirement planning; **Effective Date:** Fall 2025 (202610).

By implementing prerequisites, the students will have higher success rate as the faculty are having to teach things that students should know before taking this course.

Proposal 2425-041 was approved by consensus.

2425-042 FSS 1051C Hearth Breads, CCA.....Ken Bourgion

Purpose: Reactivating it for the ATC in Bread Baking.; **Credit/Contact/Lab Hours:** 3/6/5
Prerequisites: None; **Corequisites:** None; **Course Description:** Student will build on their previous knowledge and learn to mix, shape, bake, store, and distribute breads and rolls. Student will build speed and increase their proficiency in meeting production deadlines with quality products. Emphasis will be placed on increased use of traditional fermentation methods, equipment, and methods that emphasize flavor, texture, and appearance as well as techniques that increase shelf life; **Effective Date:** Spring 2025 (202520).

Course may have to be offered without lab fee right now as lab fees are submitted once a year.

Course is only repeatable for credit once.

Proposal 2425-042 was approved with the above change.

2425-043 FSS 2074C Sourdough Artisan Breads, CCM.....Ken Bourgion
Purpose: Revise contact hours; **Revised Credit/Contact/Lab Hours:** 3/6/5; **Effective Date:** Fall 2025 (202610).

Course is only repeatable for credit once.

Proposal 2425-042 was approved with the above change.

2425-044 OCE 1001H Intro to Oceanography-Honors, CCM.....K. Chau
Purpose: Updating to match OCE 1001. Required SCNS outcomes; **Revised Course Description:** Same as OCE 1001 with Honors content. Honors program permission required; **Effective Date:** Spring 2025 (202520).

Changes are a part of the state core requirements and should have been included in the state course changes that were made effective for last fall.

The required state outcomes have not been updated and will be sent out for a vote soon.

Proposal 2425-044 was approved by consensus.

2425-045 IDH 2930 Selected Topics in Interdisciplinary-Honors, CCA.....M. Sexton
Purpose: Proposal for a new honors seminar. Based on the student demand for more elective honors courses and the increasing popularity of City as a Text as a teaching model. New elective course for honors program. Submitting due to student demand and faculty interest;
Credit/Contact/Lab Hours: 3/3/0; **Prerequisites:** None; **Corequisites:** None; **Course Description:** For students who are interested in advanced topics in Honors. May include lab and/or field work as part of the class, depending on topic. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied; **Effective Date:** Spring 2025 (202520).

Since the course is a multiple credit course the hours must be changed to 1-3.

Proposal 2425-045 was approved with the above change.

2425-046 A.S. in Supervision and Management for Industry, CPM.....Storm Russo
Purpose: The AS in Supervision and Management is still listing an "Aviation Maintenance Track". The word "track" is causing confusion. We eliminated the Aviation or Aviation track courses. We want to preserve the FAA certification transfer agreements; **Effective Date:** Fall 2025 (202610).

Aviation Maintenance Track is still listed even though the courses have been deleted. They are leaving the other wording to preserve the FAA certification transfer agreements.

Proposal 2425-046 was approved by consensus.

2425-047 Advanced Technical Certificate in Echocardiography, CPM.....Sharon Shenton
Purpose: RET 4444C was previously modified to remove the "C" from the title. It is an online lecture course. The course is still listed here as 4444C, which due to the modification, no longer exists. RET4444C needs to be replaced here with the existing RET 4444. In addition, this course is now offered in the Summer term, so the Plan of Study grid also needs to be updated; **Effective Date:** Fall 2025 (202610).

Proposal 2425-047 was approved by consensus.

2425-048 B.S. in Cardiopulmonary Sciences, CPM.....Sharon Shenton
Purpose: Statement of Program Goals added in order to meet CoARC (Commission on Accreditation for Respiratory Care) accreditation standards. Program Goal added for Cardiovascular Techs for completeness. Add AMH 2010 for civic literacy; **Effective Date:** Fall 2025 (202610).

Proposal 2425-048 was approved by consensus.

2425-049 Semiconductor Engineering Technology A.S. to B.S. to UCF, CPA.....N. Hedayat
Purpose: This is a specialized program pathway to UCF Bachelor of Science in Semiconductor Engineering. It is developed as one of the requirements of the NSF Engine grant; **Effective Date:** Fall 2025 (202610).

The college received a grant to develop these Semiconductor programs. They are waiting to receive the machinery and equipment to be delivered in order to develop the courses to be presented at the January curriculum meeting.

Proposal 2425-049 was approved by consensus.

2425-050 A.S in Semiconductor Engineering Technology, CPA.....N. Hedayat
Purpose: To prepare students for the current and future jobs in semiconductor industries; **Effective Date:** Fall 2025 (202610).

The college received a grant to develop these Semiconductor programs. They are waiting to receive the machinery and equipment to be delivered in order to develop the courses to be presented at the January curriculum meeting.

Proposal 2425-050 was approved by consensus.

2425-051 Semiconductor Cleanroom Maintenance Technician TC, CPA.....N. Hedayat
Purpose: To prepare students for current and future jobs in semiconductor industry; **Effective Date:** Fall 2025 (202610).

The college received a grant to develop these Semiconductor programs. They are waiting to receive the machinery and equipment to be delivered to develop the courses to be presented at the January curriculum meeting.

Proposal 2425-051 was approved by consensus.

2425-052 EGN 2332 Mechanics of Material, CCD.....Mohua Kar
Purpose: Course number being changed to add a C; **Effective Date:** Fall 2025 (202610).

2425-053 EGN 2332C Mechanics of Material, CCA.....Mohua Kar
Purpose: This course is equivalent to UCF's EGN 3331C. This course is required for Civil, Construction and Environmental Engineering majors. Valencia will offer this course from Fall 2025. Both AS STEM and SAAT - Engineering students pursuing Civil, Construction and Environmental engineering will take this course; **Credit/Contact/Lab Hours:** 3/4/2/**Prerequisites:** EGN 2312 and MAC 2313; **Corequisites:** MAP 2302; **Course Description:** Concepts of stress, strain, strength, deflection of axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements; **Effective Date:** Fall 2025 (202610).

Courses will not be equivalent.

MAP 2302 is a pre or corequisite.

Prerequisite was changed to: EGN 2312, MAC 2313, and MAP 2302

Proposal 2425-053 was approved with the above change.

2425-054 EGN 2421 Engineering Analysis, CCM.....Mohua Kar
Purpose: Revise prerequisites and corequisites; **Revised Prerequisites:** Minimum grade of C in MAC 2312. EGN 2210C; **Revised corequisites:** EGN 2210C; **Effective Date:** Fall 2025 (202610).

Prerequisite was changed to: Minimum grades of C in MAC 2312 and EGN 2210C.

Proposal 2425-053 was approved with the above change.

2425-055 EGS 2004C Electrical Networks, CCM.....Mohua Kar
Purpose: Added EGN 2421, the new course as pre or co-requisite; **Revised Credit/Contact/Lab Hours:** 3/4/2; **Revised Prerequisites or Corequisites:** MAP 2302 and EGN 2421; **Effective Date:** Fall 2025 (202610).

All the courses need to have minimum grade of C or they will not be accepted by UCF.

Prerequisites changed to: Minimum grades of C in MAC 2313, PHY 2049C, MAP 2302, and EGN 2421.

Corequisites changed to: Minimum grade of C in MAP 2302 and EGN 2421.

Proposal 2425-055 was approved with the above changes.

2425-056 A.S. in Science, Technology, Engineering and Math (STEM), CPM.....M. Kar
Purpose: Adding two new courses in the Engineering specializations - EGN 2332C and EGN 2421; **Effective Date:** Fall 2025 (202610).

Proposal 2425-056 was approved by consensus.

2425-057 CAI 1700 AI for International Business, CCA.....G. Hensel

Purpose: New study abroad course for AI in international business; **Credit/Contact/Lab Hours:** 1/1/0; **Prerequisites:** None; **Corequisites:** None; **Course Description:** This international course explores the intersection of information technology and global business, focusing on the role of artificial intelligence (AI). Students will gain a comprehensive understanding of how AI is used to drive innovation and efficiency across various industries. Through a Study Abroad Trip, students will expand their cultural awareness and explore real-world applications of AI in international settings; **Effective Date:** Fall 2025 (202610).

This course is a replacement for their current study abroad course with the inclusion of AI components. They will be visiting local companies, and they may also implement an 8-day trip to other countries to see how they have been implementing AI.

The committee asked if the department must rely on study abroad funding approval, or if this be done locally. They been running this program for 10 years and there's always a chance that funding falls through, but they have half the number that they need for their trip to Ireland next summer and some of the funding.

Proposal 2425-057 was approved by consensus.

2425-058 CAI 2100 Introduction to Practical Machine Learning, CCA.....G. Hensel

Purpose: This field is mainstream now and students need to be aware how Machine Learning and Artificial Intelligence is impacting business and society as a whole; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** CAI 2000 and COP 1000; **Corequisites:** None; **Course Description:** This course offers a practical introduction to the key ideas and tools used in machine learning (ML). Students will learn how to work with data to make predictions, spot patterns, and solve common problems. The course covers various approaches, including methods for predicting outcomes and finding relationships in data, such as using decision trees and other simple techniques. In addition, students will explore how to recognize and address fairness and bias in machine learning, ensuring responsible and ethical use of these technologies; **Effective Date:** Fall 2025 (202610).

The department is expanding its artificial intelligence course offerings, and they were advised to start off with a technical certificate. Ultimately, they will try to expand to an AS degree. This course is for students in the IT or COP degree.

Prerequisite was changed to: Minimum grade of C in CAI 2000 and COP 1000

Proposal 2425-058 was approved with the above change.

2425-059 CAI 2200 Introduction to Practical Deep Learning, CCA.....G. Hensel

Purpose: Added to AS degree; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** CAI 2000 and COP 1000; **Corequisites:** None; **Course Description:** Deep learning has powered many advances in machine learning by enabling computers to learn from large amounts of data. This course introduces deep learning concepts in a way that allows students to quickly apply them to real-world problems. Students will explore various types of neural networks and how they are used to solve tasks involving text and images. Through a mix of instruction and hands-on exercises, students will learn how to build deep learning models and apply them to practical problems in areas such as language understanding and image recognition; **Effective Date:** Fall 2025 (202610).

Prerequisite was changed to: Minimum grade of C in CAI 2000 and COP 1000

Proposal 2425-058 was approved with the above change.

2425-060 CAI 2300 Intro to Practical Natural Language Processing, CCA...G. Hensel
Purpose: Added to AS degree; **Credit/Contact/Lab Hours:** 3/3/0; **Prerequisites:** CAI 2000 and COP 1000; **Corequisites:** None; **Course Description:** Natural Language Processing (NLP) is a field of artificial intelligence focused on enabling computers to work with human language. This course introduces students to the essential concepts and techniques used in NLP. Through applied learning, students will engage in practical activities to explore how language can be processed, interpreted, and generated by computers. The course covers real-world applications of NLP, such as translation, question answering, text summarization, and creating conversational systems; **Effective Date:** Fall 2025 (202610).

Prerequisite was changed to: Minimum grades of C in CAI 2000 and COP 1000

Proposal 2425-060 was approved with the above change.

2425-061 Computer Information Data Specialist TC, CPM.....G. Hensel
Purpose: adding new track to certificate in AI; **Revised Program Title:** Computer Information Specialist; **Effective Date:** Fall 2025 (202610).

The committee questioned if this will these transfer to a degree program at a 4-year institution like UCF. The department clarified that Miami Dade is the only school offering a bachelor's right now, but students can still transfer their courses and use them as electives. The college has applied for a \$5 million grant that's been granted to the few schools nationwide that are offering an AI degree.

This does not need to be listed as a specialization and needs its own certificate addition. Program needs to be presented to Workforce before committee approval.

Proposal 2425-061 was tabled.

2425-062 General Education Program Revisions, CPM
Purpose: Revisions in accordance with state standards and to maintain access; **Effective Date:** Fall 2025 (202610).

- *A new list of institutional General Education courses, which includes the list that was recommended by the Ad Hoc and previously approved by the CCC (See Appendix D in attached document), as well as the addition of the 22 courses listed in the table below.*
 - *Note: The list no longer includes SLS1122 and SYG2010, as they were determined to not be aligned with statutory requirements.*
- *A change to the distribution of credit hours within the structure of Valencia's General Education program as illustrated below, such that students can select from among all discipline areas to earn 12 of their General Education credits.*
 - *Note: This change also involves recommended changes to Gordon Rule Writing course designations and changes to the ENC1101 prerequisite for Gordon Rule Writing courses.*

General Education Structure

Communications (9)	Humanities (3)	Math (6)	Science (3)	Social Science (3)
ENC1101*	Core	Core	Core	POS2041/AMH2010/AMH2020*
ENC1102*		Core/Institutional		
SPC1608/SPC1017*				
Any General Education Core/Institutional Course (12)				

*Gordon Rule Writing

Additional General Education Courses

Communications	Humanities	Science	Social Science
<ul style="list-style-type: none"> • ASL2140 - American Sign Language I • ASL2150 - American Sign Language II • FRE1120 - Elementary French I • FRE1121 - Elementary French II • GER1120 - Elementary German I • GER1121 - Elementary German II • POR1120 - Elementary Portuguese I • POR1121 - Elementary Portuguese II • SPN1120 - Elementary Spanish I • SPN1121 - Elementary Spanish II 	<ul style="list-style-type: none"> • LAT1120 – Elementary Latin I • LAT1121 – Elementary Latin II • FIL1000 – Intro to Film 	<ul style="list-style-type: none"> • HUN1201 – The Science of Nutrition • MCB2010C – Microbiology 	<ul style="list-style-type: none"> • CCJ1020 – Introduction to Criminal Justice • DEP2004 – Developmental Psychology • ECO2023 – Principles of Economics – Micro • EDF2005 – Introduction to Education • GEB1011 – Introduction to Business • WOH2012 – World History to 1500 • WOH2022 – World History Since 1500

5. *Discussion Items:*

There are no discussion items for this month's agenda.

6. *Information Items:*

There are no information items for this month's agenda.

The next meeting of the College Curriculum Committee is scheduled for **December 4th, 2024**, and will be a zoom meeting.