# Coastline College Curriculum Committee Agenda

10/04/2019, 1:30 pm

College Center 4th Floor Conference Room

**Committee Mandate: To approve College curriculum.**

## CALL TO ORDER

* 1. Welcome
  2. Adoption of Agenda
  3. Approval of Minutes: 9/13/2019

## REPORTS

* 1. Articulation Report – Daniel Weber

## CONSENT CALENDAR

* 1. Add SLOs Coordinator to Curriculum Committee as:
* Standing Member
* Voting Member
  1. Curriculum Committee Procedure Change: Approve Course Suspensions and Retirements on Consent Calendar
  2. 2019-2020 Fall Catalog Addendum – Daniel Weber

## DISCUSSION ITEMS

* 1. UC Credit Limitations in Course Descriptions – Daniel Weber
  2. Courses Not Offered in Fall 2019 and Last Time Scheduled Report\* – Deborah Henry
  3. Grading of Noncredit Courses – reference: [AP 4030](https://www.cccd.edu/boardoftrustees/BoardPolicies/Documents/Academic_Affairs/AP_4230_Grading_and_Academic_Record_Symbols.pdf).
  4. Distance Education and Student to Student Contact – Deborah Henry

Concern about military/contract ed classes with only one student

## ACTION ITEMS

* 1. Course Additions: Credit Course
     1. CIS C280 Data Analytics 4 - Data Visualization 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; advisory: CIS C240, CIS C250; prerequisite: none; fee: none; grade: student option. Students will explore the topics, tools, and techniques of data visualization and its applicability across different industries. The practical application of data visualization will be experienced through hands-on projects and technical assignments using a variety of data visualization tools and techniques. In addition, careers and emerging trends in the field will be also be presented and evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CIS C280

Internet5.1.4.

Internet/Classroom Hybrid

* + 1. CIS C 290 Data Analytics 5 - Introduction to Data Science & Machine Learning 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; advisory: MATH C160, CIS C240, CIS C250, CIS C260, CIS C270; prerequisite: none; fee: none; grade: student option. Students will explore the topics, tools, and techniques of data science and machine learning and its applicability across different industries. The practical application of data science and machine learning will be experienced through hands-on projects and technical assignments using a variety of algorithm development tools and techniques. In addition, careers and emerging trends in the field will also be presented and evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CIS C290

Internet

Internet/Classroom Hybrid

* + 1. CUES C101U Introduction: Water Utility Sector 2.0 Units

Effective Term: Spring 2020

Semester Length: 36 lecture hours; prerequisite: none; fee: none; grade: student option. This course is an introduction to the water utility sector concerning, water science, hydraulics, hazards, quality, and distribution. Specific safety information related to Lock-Out/Tag-out, proper protective equipment, and biological and chemical safety issues. This course highlights content aligned with industry and nationally recognized Multi-Craft Curriculum and Certificates.

Originator: Cheryl Chapman

* + - 1. Distance Learning Approval Requested for CUES C101U

Internet

Internet/Classroom Hybrid

* + 1. CYBR C150 Introduction to Digital Forensics 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; 14 lab hours; advisory: CST C128, CST C158, CST C230; prerequisite: none; fee: none; grade: student option. Students will explore an introduction to digital forensics using open source applications. Topics covered include chain of custody, forensic acquisition of data, forensic evidence reporting, expert witness testimony, timeline analysis, and anti-forensic techniques. Hands-on assignments will be used to develop introductory technical skills relevant to entry-level cybersecurity professionals. This course is intended for students with computer experience and an interest in cyber defense for private organizations or government law enforcement. Careers and emerging trends in the field of cybersecurity will be evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CYBR C150

Internet

Internet/Classroom Hybrid

* + 1. CYBR C160 Introduction to Incident Response 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; 14 lab hours; advisory: CST C128, CST C158, CST C230; prerequisite: none; fee: none; grade: student option. Students will explore an introduction to cyber incident response using industry-recognized tools. Topics covered include incident response case studies, incident response tools used in industry, advanced persistent threats, documentation and technical reporting, timeline analysis, case management, and hunting, gathering, and foraging for cyber threats. Hands-on assignments will be used to help students develop introductory technical skills relevant to entry-level cybersecurity professionals. This course is intended for students with computer experience and an interest in cyber defense for private organizations or government law enforcement. Careers and emerging trends in the field of cybersecurity will be evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CYBR C160

Internet

Internet/Classroom Hybrid

* + 1. CYBR C170 Cybercrime and CSIRT Coordination 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; 14 lab hours; advisory: CST C128, CST C158, CST C230; prerequisite: none; fee: none; grade: student option. Students will explore an introduction to laws relevant to cybercrime and the roles of the Cyber Security Incident Response Team (CSIRT). Topics covered include international, federal, and state laws relevant to cybercrime, an overview of the U.S. court system and jurisdictions, CSIRT coordination within the team and with stakeholders internal to the organization, ethics pertaining to cyber professionals, project management, technical writing, countermeasures, and compliance. This course is intended for students with an interest in cyber defense for private organizations or government law enforcement. Careers and emerging trends in the field of cybersecurity will be evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CYBR C170

Internet

Internet/Classroom Hybrid

* + 1. CYBR C250 Intermediate Digital Forensics 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; 14 lab hours; advisory: CST C128, CST C158, CST C230; prerequisite: none; fee: none; grade: student option. Students will explore digital forensic techniques using industry-recognized tools. Topics covered include an introduction to network forensics and mobile device forensics, investigative and extraction tools, live acquisition data, evidence reporting, time-stomping and anti-forensic techniques, and the significance of time zones for forensic case analysis. Hands-on assignments will be used to develop technical skills relevant to entry-level cybersecurity professionals. This course is intended for students with computer experience and an interest in cyber defense for private organizations or government law enforcement. Careers and emerging trends in the field of cybersecurity will be evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CYBR C250

Internet

Internet/Classroom Hybrid

* + 1. CYBR C260 Intermediate Incident Response 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; 14 lab hours; advisory: CST C128, CST C158, CST C230; prerequisite: none; fee: none; grade: student option. Students will explore incident response techniques using industry-recognized tools. Topics covered include planning and scoping a cyber incident, information gathering for vulnerability assessment, vulnerability scanning and summarization reporting, report writing and best practices, obfuscation techniques, forensic artifacts, social media forensics, memory forensics, ethics and compliance issues. Hands-on assignments will be used to develop technical skills relevant to entry-level cybersecurity professionals. This course is intended for students with computer experience and an interest in cyber defense for private organizations or government law enforcement. Careers and emerging trends in the field of cybersecurity will be evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CYBR C260

Internet

Internet/Classroom Hybrid

* + 1. CYBR C280 Advanced Digital Forensics & Incident Response Capstone 3.0 Units

Effective Term: Spring 2020

Semester Length: 54 lecture hours; 14 lab hours; advisory: CST C128, CST C158, CST C230; prerequisite: none; fee: none; grade: student option. Students will explore advanced digital forensics and incident response techniques using industry-recognized tools. Hands-on projects will be used to demonstrate technical skills relevant to entry-level cybersecurity professionals. Students will analyze a simulated case and report findings through technical documents and presentation. This course is intended for students with computer experience and an interest in cyber defense for private organizations or government law enforcement. Careers and emerging trends in the field of cybersecurity will be evaluated.

Originator: Tobi West

* + - 1. Distance Learning Approval Requested for CYBR C280

Internet

Internet/Classroom Hybrid

* + 1. PHIL C210 Symbolic Logic 3.0 Units

Effective Term: Fall 2020

Semester Length: 54 lecture hours; prerequisite: none; fee: none; grade: student option. This course introduces the principles of valid deductive reasoning. The course includes a study of formal techniques of sentential logic and predicate logic.

Logic is the study of argumentation. Symbolic logic focuses on formal, deductive reasoning. In this course, students will learn how to translate arguments from a natural language (in this case English) to symbolic languages. These abstracted arguments can then be manipulated to derive other truth-preserved sentences.

This course will cover sentential. We will cover simple truth-functional logic (TFL) using truth tables and, later, first-order or predicate logic (FOL). We will also cover related logic and semantic concepts such as validity, soundness, entailment, and so forth.

Originator: Fred Curry

* + - 1. Distance Learning Approval Requested for PHIL C210

Internet

Internet/Classroom Hybrid

* 1. Credit Course Revisions: Major
     1. CST C245 Introduction to Digital Forensics

Effective Term: Spring 2020

From To

Title Exploring Computer Forensics Introduction to Digital Forensics

See CurricUNET for changes to cross-listed course, lab hours, description, justification, advisories, FSA, SAM code, assigned disciplines, SLOs, objectives, content, instructional techniques, assignments, methods of evaluation, textbooks, library, DE Addendum

Originator: Tobi West

* 1. Credit Course Revisions: Minor
     1. PTEC C110 Introduction to Process Technology

Effective Term: Spring 2020

See CurricUNET for changes to objectives, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: Cheryl Chapman

* + 1. PTEC C111 Health, Safety, and Environment

Effective Term: Spring 2020

See CurricUNET for changes to SLOs, objectives, methods of instruction, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: Cheryl Chapman

* + 1. PTEC C112 Quality Management

Effective Term: Spring 2020

See CurricUNET for changes to SLOs, objectives, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: First Last

* + 1. PTEC C113 Process Technology 1: Equipment

Effective Term: Spring 2020

See CurricUNET for changes to objectives, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: Cheryl Chapman

* + 1. PTEC C114 Process Technology 2: Systems

Effective Term: Spring 2020

See CurricUNET for changes to objectives, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: Cheryl Chapman

* + 1. PTEC C115 Process Technology 3: Operations

Effective Term: Spring 2020

See CurricUNET for changes to SLOs, objectives, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: Cheryl Chapman

* + 1. PTEC C116 Instrumentation 1

Effective Term: Spring 2020

See CurricUNET for changes to objectives, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: Cheryl Chapman

* + 1. PTEC C117 Instrumentation 2

Effective Term: Spring 2020

See CurricUNET for changes to objectives, instructional techniques, assignments, methods of evaluation, textbooks, DE Addendum

Originator: Cheryl Chapman

* + 1. RE C160 Real Property Management

Effective Term: Spring 2020

See CurricUNET for changes to methods of evaluation, textbooks, DE addendum

Originator: Cheryl Chapman

* 1. Course Suspensions

Effective Term: Spring 2020

* + 1. CST C207 Building Multilayer Switched Networks/CCNP 3

Originator: Tobi West

* 1. Course Retirements

Effective Term: Spring 2020

* + 1. INFM C102 Concepts of Programming Languages 2
    2. INFM C111 Software Methods and Tools
    3. INFM C113 Requirements Analysis and Engineering
    4. INFM C115 Software Specification and Quality Engineering
    5. INFM C121 Software Design 1
    6. INFM C131 Human Computer Interaction
    7. INFM C132 Project In Human Computer Interaction and User Interfaces
    8. INFM C141 Informatics Core Course 1
    9. INFM C142 Informatics Core Course 2
    10. INFM C143 Informatics Core Course 3
    11. INFM C144 Seminar In Informatics Research Topics
    12. INFM C168 Intro/Survey of Multimedia Entertainment
    13. INFM C171 Computer Programming with Alice
    14. INFM C176 Web Animation
    15. INFM C182 Simulation Building
    16. INFM C184 Interface Design
    17. INFM C185 Interface Design Project

Originator: Tobi West

* 1. New Programs: Credit
     1. Data Analytics Associate in Science

Effective Term: Spring 2020

The Associate of Science in Data Analytics will provide students with a solid foundation in the fields of data science, business intelligence, and analytics. The program is designed to prepare students for entry-level jobs, or to help them advance into careers, such as Business Analytics Specialist, Data Analyst, Data Visualization Developer, Operations Research Analyst, and Market Research Analyst. Topics covered will include statistics, research methods, SQL queries and data views, systems analysis and design, and applied predictive analytics.

8 courses for the major

60 total units

Originator: Tobi West

* + 1. Data Analytics Certificate of Specialization

Effective Term: Spring 2020

The Certificate of Specialization in Data Analytics will provide students with a foundation in the fields of data analytics and business intelligence. The program is designed to prepare students for entry-level jobs, such as Business Analytics Specialist, Data Analyst, Data Visualization Developer, Operations Research Assistant, and Market Research Assistant. Topics covered will include an introduction to data analytics, statistics, SQL queries and data views, and data visualizations.

3 courses for the certificate

Originator: Tobi West

* + 1. Digital Forensics and Incident Response Associate in Science

Effective Term: Spring 2020

The Associate of Science in Digital Forensics and Incident Response will provide students with a solid foundation in the field of cybersecurity with specialization in cyber defense techniques. The program is designed to prepare students for entry-level cyber jobs, or to help them advance into mid-level cyber careers, such as cybercrime analyst, cyber incident analyst, cyber incident responder, digital forensic examiner, digital forensic technician, and vulnerability tester. Topics covered include planning and scoping a cyber incident, domestic and international cyber laws, ethics, chain of custody, incident detection and analysis, anti-forensic techniques, timeline analysis, incident containment, eradication, recovery, report preparation, and expert testimony. The program includes hands-on and technical writing assignments to help students develop their skills for the cybersecurity workforce.

6 courses for the major

60 total units

Originator: Tobi West

* + 1. Digital Forensics and Incident Response Certificate of Achievement

Effective Term: Spring 2020

The Associate of Science in Digital Forensics and Incident Response will provide students with a solid foundation in the field of cybersecurity with specialization in cyber defense techniques. The program is designed to prepare students for entry-level cyber jobs, or to help them advance into mid-level cyber careers, such as cybercrime analyst, cyber incident analyst, cyber incident responder, digital forensic examiner, digital forensic technician, and vulnerability tester. Topics covered include planning and scoping a cyber incident, domestic and international cyber laws, ethics, chain of custody, incident detection and analysis, anti-forensic techniques, timeline analysis, incident containment, eradication, recovery, report preparation, and expert testimony. The program includes hands-on and technical writing assignments to help students develop their skills for the cybersecurity workforce.

6 courses for the major

60 total units

Originator: Tobi West

* 1. Program Revisions: Major

Effective Term: Fall 2020

* + 1. Management Associate in Arts

Title From: Management and Supervision: Management

Title To: Management

Restricted Elective: Add CIS C100

Restricted Elective: Add CIS C111

Originator: Stacey Smith

* + 1. Management Certificate of Achievement

Title From: Management and Supervision: Management

Title To: Management

Restricted Elective: Add CIS C100

Restricted Elective: Add CIS C111

Originator: Stacey Smith

* 1. Program Retirements

Effective Term: Fall 2020

* + 1. Cisco Certified Networking Professional (CCNP) Certificate of Specialization

Originator: Tobi West

* + 1. Informatics Associate in Science

Originator: Tobi West

* + 1. Informatics Associate in Art

Originator: Tobi West

* + 1. Informatics Certificate of Achievement

Originator: Tobi West

* 1. ANNOUNCEMENTS
     1. Curriculum Alignment Task Force is meeting on October 11th at NBC, room 227, from 10Am-12PM.

Next Meeting: October 25, 2019

Due date for submitting proposals to the agenda: Monday, October 14

\*Attachment

*In accordance with the Ralph M. Brown Act and Senate Bill 751, minutes of the Coastline Curriculum Committee record the votes of all Members as follows: (1) members recorded as absent are presumed not to have voted; (2) the names of members voting in the minority or abstaining are recorded; (3) all other members are presumed to have voted in the majority.*