Delgado COMMUNITY COLLEGE

CURRICULUM COMMITTEE MEETING

Friday, October 20, 2023, 2:00 p.m.

City Park Campus, Dolphin Den, Student Life Center (Building #23, First Floor)

AGENDA

I. Call to Order

II. Roll Call

III. Call for Public Comments (LA R.S. 42:26, 2010, No. 861, sec 23)

IV. Minutes of meeting of April 28, 2023

V. Curriculum Operations Report

VI. New Business

a) **School of Business/Culinary Arts**
Final Approval of Curriculum: Career and Technical Certificate in Basic Commercial Cooking.

Program Description: The Career and Technical Certificate in Basic Commercial Cooking is designed to provide the student with a set of basic skills and knowledge in order to obtain an entry-level position in a commercial food service related operation in a short period of time. Completion of the CTC in Basic Commercial Cooking allows students to obtain an industry-based credential through the American Culinary Foundation. The CTC provides 150 contact hours.

Student Learning Outcomes:

- Demonstrate fundamental food production principles necessary to meet the demands of the professional kitchen.
- Promote and demonstrate safe and sanitary food handling practices as stipulated in local, state, and federal laws.
- Describe and discuss the culinary/food service industry and career opportunities in the field.

b) **School of Business/Paralegal Studies**

Final Approval of Curriculum: Certificate of Technical Studies in Legal Assistant.

Program Description: Legal Assistants work for law firms or private attorneys or government agencies. They provide administrative assistance that helps attorneys and other professionals complete tasks related to the field of law. Legal Assistants complete a number of duties from answering telephone calls and taking messages to transcribing legal documents. They are the staff members who organize files, draft legal correspondence, create and send invoices, and manage the attorney's schedule.

The Certificate of Technical Studies in Legal Assistant is 405 clock hours and allows completers entry-level access to employment opportunities in the legal field as well as provides them with the academic foundation to continue their education and earn the A.A.S. in Paralegal Studies. All courses in the C.T.S. are applicable to the Paralegal Studies degree and have an embedded industry-based credential in Westlaw Fundamentals for Paralegal Training Certificate.

Student Learning Outcomes:

- Apply analytic critical thinking and research skills to factual situations within a legal context.
- Use common legal software applications.
- Identify and apply professional and ethical standards appropriate to the legal profession.
- Apply legal concepts including jurisdiction, contract law, and property law to agency and business organization types.
- Use communication skills required in a legal office setting.

c) **School of Health Sciences-Allied Health/Health Science**

Final Approval of Curriculum: Certificate of Technical Studies in Health Science.

Program Description: The Certificate of Technical Studies in Health Science prepares students to enter the labor force in a variety of entry-level healthcare occupations or continue the pursuit of a college education in one of the twenty-one allied health programs of study offered at Delgado Community College. This program provides students with foundational knowledge and skills that will enable them to be successful in the allied health programs and in their employment in the healthcare field.

Student Learning Outcomes:

- Demonstrate knowledge of medical terminology required for a variety of health occupations.
- Demonstrate a basic knowledge of basic body structure and function.
- Demonstrate a basic knowledge of human diseases.
- Demonstrate personal and social responsibilities needed to obtain and retain employment in healthcare.

- Implement a career search and develop career goals.
- Demonstrate effective verbal, nonverbal, and written communication skills.
- Demonstrate an awareness of the importance of academic preparedness and academic excellence.

d) **School of Science, Technology, Engineering, and Mathematics**

Final Approval of Curriculum**:** Career and Technical Certificate in Game Development Foundations.

Program Description: The Career and Technical Certificate in Game Development Foundations is 180 clock hours and provides students with an opportunity for career exploration in game media and game design. All courses comprising this certificate may be applied to the Certificate of Technical Studies in Game Media Development and the Associate of Applied Science degree in Computer Information Technology. Coursework in the C.T.C. prepares students to earn industry-based certifications in Autodesk Maya, Autodesk 30S Max, and Unity.

Student Learning Outcomes:

- Recall the core concepts of game development for application to varying sizes of game projects on any given game platform.
- Apply critical and creative skills to create a professional portfolio of game artifacts which align with the current standards, software, and related tools of the game development industry.

e) **School of Science, Technology, Engineering, and Mathematics**

Final Approval of Curriculum: Certificate of Technical Studies in Game Media Development.

Program Description: The Certificate of Technical Studies in Game Media Development is 24 credit hours and provides students with a full pathway from certificate to associate degree. This certificate requires not only game design and development coursework but also a core curriculum of information technology coursework. This C.T.S. serves as an entry point to the field as well as the next step for students wishing to pursue the Associate of Applied Science degree in Computer Information Technology. Coursework in the C.T.S. prepares students to earn the industry-based certifications in Autodesk Maya, Autodesk 30S Max, Unity, and Adobe Photoshop as well as optionally the Certified Associate Project Management (CAPM) credential.

Student Learning Outcomes:

- Recall the core concepts of game development for application to varying sizes of game projects on any given game platform.
- Apply critical and creative skills to create a professional portfolio of game artifacts which align with the current standards, software, and related tools of the game development industry.
- Use the soft skills needed to work ethically and collaboratively with a team of diverse stakeholders with the common goal of game development.

f) **School of Science, Technology, Engineering, and Mathematics**

Change of Course Description: CHEM 101: Chemistry I (non-science majors): *from* Introduction to nomenclature; atomic structure; chemical equations and stoichiometry; gas laws; bonding. Quantitative problem solving. Energy relationships and solutions. Students without high school chemistry may use this course to prepare for the more rigorous CHEM 141. *to* A lecture course for students not majoring in science or engineering technology. Topics include scientific method, comparison of states of matter, metric and international unit measurement, atomic structure, bonding, nomenclature, and stoichiometry. Students without high school chemistry may use this course to prepare for the more rigorous CHEM 141.

g) **School of Science, Technology, Engineering, and Mathematics**

Change of Course Description: CHEM 107: Chemistry I Lab (non-science majors): *from* Safety; basic laboratory techniques (to include data collection and interpretation; introduction to laboratory. *to* Reinforces lecture material presented in CHEM 101, introduces students to laboratory equipment and techniques, and prepares students for the more rigorous general chemistry laboratory courses. Early experiments introduce techniques and equipment as qualitative and quantitative observations are made, while later experiments require stoichiometric relationships and observations.

h) **School of Science, Technology, Engineering, and Mathematics**

Change of Course Pre/Co-Requisites: CHEM 141 Chemistry I (science majors)
Pre-Requisite ENGL 101 or ENGL 110 with a minimum grade of "C" or concurrent enrollment in ENGL 101 or ENGL 110; MATH 130 with a minimum grade of "C" or concurrent enrollment in MATH 130.
Co-Requisite CHEM 143 Chemistry I Lab (science majors)

i) **School of Science, Technology, Engineering, and Mathematics**

Change of Course Pre-requisites: CHEM 143 Chemistry I Lab (science majors)
ENGL 101 or ENGL 110 with a minimum grade of "C" or concurrent enrollment in ENGL 101 or ENGL 110; MATH 130 with a minimum grade of "C" or concurrent enrollment in MATH 130.

j) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 143: Chemistry I Lab (science majors): *from* Safety; basic laboratory techniques (to include data collection and interpretation and introduction to laboratory reporting/record keeping) related to the topics in Chemistry I (Science Majors). *to* Reinforces and enhances CHEM 141. The laboratory experiments in this course demonstrate laboratory applications of the theories presented in lecture (CHEM 141) and micro-scale techniques.

k) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Pre-requisite: CHEM 142 Chemistry II (science majors)
Add CHEM 143 with a minimum grade of "C"

l) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 142 Chemistry II (science majors) *from* Intermolecular forces; thermodynamics; general and heterogeneous equilibrium; kinetics; solutions; acid/base equilibrium and properties; and electrochemistry. *to* Standard second-semester college inorganic chemistry course and continuation of CHEM 141. It includes a brief review of topics covered in the first semester and will introduce intermolecular forces, liquids, solids and solutions, chemical kinetics, chemical equilibrium, acid/base chemistry, thermodynamics, electrochemistry, redox reactions, and radioactivity.

m) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Pre/Co-requisites: CHEM 144 Chemistry II Lab (science majors)
Pre-requisite CHEM 141 and CHEM 143 with a minimum grade of "C"
Co-requisite CHEM 142

n) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 144: Chemistry II Lab (science majors) *from* Safety; basic laboratory techniques related to the topics in Chemistry II (Science Majors). *to* Reinforces and enhances CHEM 142. The laboratory experiments in this course demonstrate laboratory applications of the theories presented in lecture (CHEM 142) and micro-scale techniques.

o) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 221: Organic Chemistry I *from* Nomenclature, chemical reactions, synthesis, functional groups, structure/property relationships, stereochemistry, spectroscopy, and mechanistic theory. (Pre-professional; science majors) *to* A study of the structures, preparations, and reactions of organic compounds, including the alkanes, alkenes, and alkyl halides. Mechanisms involving free radicals and

intermediates are discussed as they apply to the preparation and reactions. Concepts, such as stereochemistry, kinetics, and thermodynamics, are developed to demonstrate the correlation of structure with chemical reactivity. The student will learn the science of organic chemistry; the nomenclature, physical and chemical properties, and the mechanism of reactions of alkanes, alkenes, alkynes, alkyl halides and compounds having conjugated unsaturated systems. Emphasis is placed on chemical reactivity and structure as well as energy differences between reactants and transitional states.

p) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 223: Organic Chemistry I Lab *from* Safety; basic laboratory techniques related to the topics in Organic Chemistry I. *to* A first semester organic chemistry lab. The student will demonstrate proficiency in a microscale organic laboratory pertaining to: chemical information, safe handling, use and disposal of organic compounds; synthetic procedures, including isolation, recrystallization, distillation, reflux, separation and structure elucidation of obtained products.

q) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Pre-requisite: CHEM 222: Organic Chemistry II
Add Pre-requisite CHEM 223 with a minimum grade of "C"

r) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 222: Organic Chemistry II *from* Continuation of topics in Organic Chemistry I. Structures, preparations, and characteristic reactions of organic compounds, including the aromatic oxygen derivatives of organic compounds, and amines. Includes mechanisms for these compounds and concepts such as stereochemistry and structural determination. *to* Continuation of Organic Chemistry I in more advanced topics such as mechanisms, stereochemistry, chemical, and physical properties of dienes, spectrometric analysis (IR, 1H and 13C NMR spectroscopy and mass spectrometry) of organic compounds, aromatics, organometallic compounds, radicals, aldehydes and ketones, enolates and related compounds, heterocyclic compounds, carboxylic acids and their derivatives, amines, polymers and carbohydrates.

s) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Pre/Co-Requisite: CHEM 224: Organic Chemistry II Lab
Pre-requisite CHEM 221 and CHEM 223 with a minimum grade of "C"
Co-requisite CHEM 222

t) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 224: Organic Chemistry II Lab *from* Safety; basic laboratory techniques related to the topics in Organic Chemistry II. *to* A second semester organic chemistry lab. The student will demonstrate proficiency in organic

laboratory pertaining to: use of multi-step synthesis; stoichiometry and use of instrumentation to analyze and identify organic compounds.

u) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 241: Analytical Chemistry (Quantitative Analysis) *from* Introduction to techniques and practices of analytical chemistry. Topics will include statistics, equilibrium, titration, spectroscopy, electrochemistry, chromatography. *to* Introduces the student to the theory and practice of classical wet and modern instrumental analytical chemistry. The course will cover the fundamentals of analytical statistics and its importance to data reliability, sampling protocol, preparation and analysis of sample, chemical equilibria (acid-base, complex formation and precipitation), titration (acid-base, complexometric, precipitation, and redox), gravimetric analysis, spectroscopic, chromatographic separation and electroanalytical techniques. This course will focus on the use of quantitative measurements in comparing theoretical and experimental data. Emphasis will be on the importance of the correct usage of analytical technique/instrumentation and safe laboratory practice.

v) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: CHEM 243: Analytical Chemistry Laboratory (Quantitative Analysis) *from* Safety; basic laboratory techniques related to the topics in Analytical Chemistry. Introduces the student to the proper laboratory techniques for quantitative measurements covering the fundamentals of analytical statistics and its importance to data reliability, sampling protocol, preparation and analysis of sample, chemical equilibria (acid-base, complex formation and precipitation), titration (acid-base, complexometric, precipitation, and redox), gravimetric analysis, spectroscopic, chromatographic separation and electroanalytical techniques in comparing theoretical and experimental data. The student will have explored several different spectroscopy techniques commonly used in research laboratories and in industry including Atomic Absorption, FT-IR and Fluorescence; electrochemistry, HPLC, and LC-MS. The student will learn to analyze data, perform basic statistical analysis using Microsoft Excel and interpret results.

w) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Pre-requisite: CMIN 218: Game Structure and Development: CMIN 217 with a minimum grade of "C"

x) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Name: CMIN 244: Introduction to Information Security
Change the name of CMIN 244: Introduction to Information Security *to* CMIN 244: Introduction to Cyber Security.

y) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Pre-requisite: CMIN 275: Agile Project Management
ENGL 101 or ENGL 110 with a minimum grade of "C" or concurrent enrollment in ENGL 101 or ENGL 110.

z) **School of Science, Technology, Engineering, and Mathematics**
Change of Pre-Requisite: ELET 291: Microprocessors and Advanced Digital Systems:
ELET 271 with a minimum grade of "C"

aa) **School of Science, Technology, Engineering, and Mathematics**
Change of Pre-Requisite: ELST 251: Biomedical Equipment Practicum:
ELST 152 and ELET 271 with a minimum grade of "C"

bb) **School of Science, Technology, Engineering, and Mathematics**
Change of Pre-Requisite: ELST 262: IT Hardware Support: CMIN 201 and CNET 157 with a minimum grade of "C"

cc) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: ELST 262: IT Hardware Support: *from* Fundamentals of computer technology, installation, and configuration of PCs, laptops, and related hardware and networking basics. Topics include: installation, configuration, and troubleshooting of computer hardware, peripheral devices, and mobile devices. This class, along with ELST 267, will prepare students for the nationally recognized CompTIA A+ certification examination. *to* Fundamentals of computer technology, installation, and configuration of PCs, laptops, related hardware, and networking basics.

dd) **School of Science, Technology, Engineering, and Mathematics**
Change of Pre-Requisite: ELST 267: IT Software Support: CMIN 201 and CNET 157 with a minimum grade of "C"

ee) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: ELST 267: IT Software Support: *from* Fundamentals of supporting information technology software. Topics include: installation and configuration of PC operating systems as well as configuring common features for mobile platforms. *to* Fundamentals of supporting information technology software installation, configuration, and troubleshooting of computer and mobile operating systems.

ff) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: SCIE 101 Physical Science I: *from* Survey of concepts in physics and physical sciences. *to* A lecture course for students not majoring in science or

engineering technology. Introductory physical science course that covers the concepts and mathematics of selected topics in physics and space science.

gg) **School of Science, Technology, Engineering, and Mathematics**
Change of Co-Requisite: SCIE 103 Physical Science I Laboratory: add SCIE 101.

hh) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: SCIE 103 Physical Science I Laboratory: *from* Laboratory course to accompany SCIE 101 *to* A hands-on and interactive laboratory class. This course is supplementary to SCIE 101 with special emphasis on physics and astronomy. It is a general survey course for anyone interested in learning the methods and applications for the physical sciences.

ii) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: SCIE 102 Physical Science II: *from* Applications of concepts learned in Physical Science I which may include physics, chemistry, geology, astronomy, oceanography, etc. *to* A lecture course for students not majoring in science or engineering technology. This course is a continuation of SCIE 101 with special emphasis on Chemistry and Earth Science. It is a general survey course for anyone interested in learning the methods and applications for the physical sciences. Topics include introductory chemistry, geology, earth's surface, and climate.

jj) **School of Science, Technology, Engineering, and Mathematics**
Change of Co-Requisite: SCIE 104 Physical Science II Laboratory: add SCIE 102.

kk) **School of Science, Technology, Engineering, and Mathematics**
Change of Course Description: SCIE 104 Physical Science II Laboratory: *from* Laboratory course to accompany SCIE 102 *to* A hands-on and interactive laboratory class. This course is supplementary to SCIE 102 with special emphasis on chemistry and geology. It is a general survey course for anyone interested in learning the method and applications for the physical sciences. Topics include introductory chemistry, geology, earth's surface, and climate.

ll) **School of Science, Technology, Engineering, and Mathematics**
Change of Pre/Co-Requisites: SCIE 141 Environmental Science I: Remove "C" or higher in MATH 098 and eligibility for ENGL 101; MATH 097 or SPSM 099. Remove Corequisite(s): SCIE 143.

mm) **School of Science, Technology, Engineering, and Mathematics**

Change of Course Description: SCIE 141 Environmental Science I: *from* Concepts and applications of environmental study. Topics include ecology, natural resource management, pollution, and current issues of environmental concern. *to* An exploration of the fundamental principles of environmental science, a field that lies at the intersection of human society and the natural world. Environmental science is essential for understanding the intricate relationships between human and the environment, and it provides critical insights into the impact of human activities on our planet. As environmental issues become increasingly pressing, this course equips students with the knowledge and skills needed to make informed decisions and address contemporary environmental challenges.

VII. Consent Agenda

a) Removal of "Eligibility for Math/English" Pre-requisites

b) Articulation Matrix Revisions

c) **School of Science, Technology, Engineering, and Mathematics/ADOT**
Master Syllabus Update: ADOT 105: Survey of Computer Applications
Master Syllabus Update: ADOT 135: Digital Illustration Software
Master Syllabus Update: ADOT 161: Modeling and Texturing for 3D Animation and Games
Master Syllabus Update: ADOT 163: 3D Modeling and Animation or Games and Film
Master Syllabus Update: ADOT 178: General Office Procedures
Master Syllabus Update: ADOT 209: User Experience and Prototyping
Master Syllabus Update: ADOT: 215: Web Design Using Dreamweaver

d) **School of Science, Technology, Engineering, and Mathematics/CNET**
Master Syllabus Update: CNET 117: Network Multiunit Systems
Master Syllabus Update: CNET 157: Network Systems Basics
Master Syllabus Update: CNET 178: Windows Server
Master Syllabus Update: CNET 180: Virtual Computer Systems
Master Syllabus Update: CNET 197: Linux Fundamentals
Master Syllabus Update: CNET 277: Network Design
Master Syllabus Update: CNET 287: Practicum/Coop
Master Syllabus Update: CNET 294: Cloud Architecture

e) **School of Science, Technology, Engineering, and Mathematics/CMIN**
Master Syllabus Update: CMIN 248: Computer Forensics and Cybercrime

f) **School of Science, Technology, Engineering, and Mathematics/ELET**
Master Syllabus Update: ELET 287: Programmable Logic Controllers (PLCs)

g) **School of Health Sciences-Allied Health/Ophthalmic Medical Assisting**

Change of Program Description: Certificate of Technical Studies in Ophthalmic Medical Assisting:

1) change reference of program length from two (2) semesters to three (3) semesters;

2) change reference to program application deadline from April 30 to June 30.

3) change Association of Technical Personnel web link to https://www.aao.org/clinical-teams/about-aaop.

VIII. New Business

IX. Next Meeting November 17, 2023

X. Adjournment