Delgado
COMMUNITY COLLEGE

CURRICULUM COMMITTEE MEETING

Friday, April 25, 2025 1:00 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 March 28, 2025

V. Curriculum Operations Report-Rosaria Guastella

VI. New Business

a) **School of Science, Technology, Engineering, and Mathematics/ELST**
Program Revision: Associate of Applied Science: Electronics Service Technology

Delete: CNET 157 from Required Related Courses
Delete: TECH 104 from Required Related Courses
Add: CNCY 121: Networking I to Required Related Courses
Add: CITS 100: Introduction to Computer Applications to Required Related Courses
Delete: MATH 120, MATH 128, MATH 133 from General Education Requirements
Delete: CNET 117, CNET 197, CNET 287, ELST 262, ELST 267 from Computer and Electronics Repair Concentration
Add: CNCY 111: Survey of Operating Systems, CNCY 221: Linus Systems Administration, CNCY 131: IT Hardware Support, CNCY 132: IT Software Support, CNCY 141: Windows Server to Computer and Electronics Repair Concentration
Revise: Semester Course Sequences

Note: Program hours remain the same.

b) **School of Liberal Arts, Social Sciences, and Education/General Studies**
Program Revision: Associate of General Studies: Health Sciences: Respiratory Care Technology concentration
Delete: MATH 128 from General Education Requirements

Add: MATH 130: College Algebra to General Education Requirements

c) **School of Liberal Arts, Social Sciences, and Education/CRJU**
Program Revision: Associate of Arts Louisiana Transfer Degree: Criminal Justice Concentration
Terminate the Criminal Justice Concentration from the Associate of Arts Louisiana Transfer Degree

d) **School of Liberal Arts, Social Sciences, and Education/ASLS**
Course Revision: ASLS 110: Fingerspelling and Numbers

Change Lecture/Lab/Credit Hours: From: 3/0/3 To: 1/1/2

New Description: Combined lecture/lab course focuses on the comprehension and production of expressive and receptive finger spelling and numbering skills used in American Sign Language (ASL). Course instruction is primarily in ASL. Prerequisite(s): ASLS 101.

Current Description: Focuses on the comprehension and production of expressive and receptive finger spelling and numbering skills used in American Sign Language (ASL). A range of contexts and a variety of topics will be utilized to increase proficiency. Information about the Deaf community and Deaf culture is included. Course instruction is primarily in ASL. Prerequisite(s): ASLS 101.

e) **School of Liberal Arts, Social Sciences, and Education/ASLS**
Course Revision: ASLS 202: American Sign Language IV

New Description**:** Advanced language course focuses on the expansion and use of more complex ASL vocabulary and grammar, including Deaf cultural awareness. Course instruction is primarily in ASL. Prerequisite(s): ASLS 201, ASLS 220, and ASLS 235.

Current Description**:** Focus is on the expansion and advanced development of ASL vocabulary and grammar. Information about the Deaf community and Deaf culture is included. Course instruction is primarily in ASL. Prerequisite(s): ASLS 201, ASLS 220, and ASLS 235.

f) **School of Liberal Arts, Social Sciences, and Education/ASLS**
Course Revision: ASLS 270: Advanced Interpreting

New Description: Focuses on complex constructs, processes, skills, and vocabulary used in specific interpreting settings skills and includes discussions on cross-cultural mediation values and attitudes. Prerequisite(s): ASLS 202, and ASLS 261, and ASLS 262.

Current Description**:** Advanced interpreting course discussing increasingly complex constructs, processes, and situations. In-depth information about the cross-culture mediation values and attitudes. Course instruction is primarily in ASL. Prerequisite(s): ASLS 202, ASLS 261, and ASLS 262.

g) **School of Liberal Arts, Social Sciences, and Education/ASLS**
Terminate: ASLS 265: Special Topics in Interpreting

h) **School of Liberal Arts, Social Sciences, and Education/ASLS**
Program Revision: Associate of Arts: American Sign Language Interpreting

Delete: ASLS 265: Special Topics in Interpreting 3/0/3 from Required Courses in Major
Change: ASLS 110 from 3/0/3 to 1/1/2 (see agenda item b)

Note: Program hours change from 66 to 62

i) **School of Liberal Arts, Social Sciences, and Education/VISC**
Program Revision: Associate of Applied Science: Visual Communications—Graphic Design

Delete: 3 credit hours from Approved (VISC) Electives required (change from 9 hours to 6 hours required)
Add: Free Elective category
Add: 3 credit hours to new Free Elective category
Delete: VISC 226: Web Design from Required Courses in Major
Add: VISC 132: Color Design to Required Courses in Major
Add: VISC 226: Web Design to Approved (VISC) Electives list

Note: Program hours remain the same.

j) **School of Liberal Arts, Social Sciences, and Education/TEAC**
Program Revision: Associate of Science in Teaching: Teaching Grades 1-5

Revise: Catalog Description to remove eligibility criteria that are no longer required
Revise: SLO #5 to read: Describe and discuss student rights as they apply to accommodations and state and federal rules and regulations.
Add: BIOL 108: General Biology II Lab (non-science majors) to Required Courses in Major
Add: ENGL 207: Introduction to Literature to Required Courses in Major
Add: ENGL 211 or ENGL 212 or ENGL 235 or ENGL 240-241, or ENGL 243 or ENGL 244 or ENGL 245 as options to current ENGL literature requirement for Required Courses in Major
Add: PSYC 235: Educational Psychology to Required Courses in Major
Add: SOCI 151: Introduction to Sociology to Required Courses in Major
Delete: SCIE 102: Physical Science II from Required Courses in Major
Delete: SCIE 104: Physical Science II Lab from Required Courses in Major
Delete: MATH 203: Introductory Statistics (Statistics I) from Required Courses in Major
Delete: MATH 133: Intensive College Algebra as option for MATH 130 from Required Courses in Major

Note: Program hours remain the same.

k) **School of Liberal Arts, Social Sciences, and Education/TEAC**
Course Revision: TEAC 201: Teaching and Learning in Diverse Settings I

New Description: Introduces students to the field of teaching by focusing on professional responsibilities of educators and the development of elementary school children.

Current Description: Introduces candidates to the field of teaching by focusing on professional responsibilities of educators and the development of elementary school children. Three primary topics will be addressed within the course: professional issues for education careers, child development, and technology for teaching and learning. The course will involve a combination of lecture, group learning, reflection and site-based experiences within schools. This course is the first of a two-course sequence.

Change of Course Prerequisite:
Delete: Acceptance to the Associate of Science in Teaching program
Add: or ENGL 110 or ENRE 110 to current ENGL 101

l) **School of Liberal Arts, Social Sciences, and Education/TEAC**
Course Revision: TEAC 203: Teaching and Learning in Diverse Settings II

New Description: Immerses students in the profession of education with an emphasis on ethics, legal rights, and responsibilities.

Current Description: Introduces candidates to the field of teaching and focuses on the diverse needs of students. Two primary topics will be addressed within the course: an introduction to education and child development/psychology. The course will involve a combination of lecture and site-based experiences within schools. This course is the second of a two-course sequence.

Change of Course Prerequisite:
Delete: Acceptance to the Associate of Science in Teaching program, Candidacy for Graduation, ENGL 101, ENGL 102, MATH 130, Passage of Praxis I (PPST Pre-Professional Skills Test) or possess an ACT composite score of 22 or an SAT combined Verbal and Math score of 1030, and permission of the program director.
Note: Prerequisite TEAC 201 remains.

m) **School of Liberal Arts, Social Sciences, and Education/AALT/Fine Arts**
Program Revision: Associate of Arts Louisiana Transfer: Fine Arts

Revise: List of General Education Courses for program

Revise List of Approved Concentration courses for program

n) **School of Liberal Arts, Social Sciences, and Education/AALT/Humanities**
Program Revision: Associate of Arts Louisiana Transfer: Humanities

Revise: List of General Education Courses for program

Revise: List of Approved Concentration courses for program

o) **School of Liberal Arts, Social Sciences, and Education/AALT/Social Sciences**
Program Revision: Associate of Arts Louisiana Transfer: Social Sciences

Revise: List of General Education Courses for program

Revise: List of Approved Concentration courses for program

p) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 210: Principles and Practice of Radiation Therapy I

New Description: Principles and practice content for radiation therapy. The course provides an overview of cancer and the specialty of radiation therapy. Historic and current aspects of cancer treatment are covered, along with the roles and responsibilities of the radiation therapist.

Current Description: Orientation to the field of radiation therapy with an emphasis on the specialty of radiation therapy within the field of oncology. Medical, biological, pathological, physical and technical aspects of the field will be presented. Concepts of team practice, patient-centered clinical practice, and professional development will be explored.

q) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 212: Dosimetry and Treatment Planning I

New Description: Treatment planning content that explains factors that influence clinical planning of patient treatment. This includes isodose descriptions, patient contouring, dosimetric calculations, compensation and clinical application of treatment beams. Optimal treatment planning is emphasized, and particle beams, stereotactic and emerging technologies are presented.

Current Description: Entry level course that provides the therapist with a fundamental understanding of the components of treatment planning and the associated tasks required to render a treatment plan.

r) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 213: Radiation Therapy Physics I

New Description: Radiation therapy physics content that reviews and expands basic physics concepts and theories to include content specific to radiation therapy. Detailed analysis of the structure of matter, properties of radiation, nuclear transformations, x-ray production and interactions of ionizing radiation are included. Also presented are treatment units used in external radiation therapy, quality evaluation of ionizing radiation, absorbed dose measurement, dose distribution and scatter analysis.

Current Description: An introduction to the basic principles of the physics of radiations used in the clinical setting. Fundamentals of units, measurements, principles, atomic structure and the

equipment used to generate various types of radiations are explored. Radiation health and safety and the requirements of regulatory agencies in healthcare organizations are presented.

s) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 215: Clinical Practice I

New Description: Provides sequential development of patient care and procedural information specific to radiation therapy. Through structured sequential assignments in clinical facilities, radiation therapy students are introduced to team practice, patient-centered clinical practice and professional development. These concepts are initially discussed, examined and evaluated in the classroom prior to clinical rotations.

Current Description: Clinical practicum providing sequential development, application, analysis, integration, synthesis, and evaluation of concepts and theories in radiation therapy. Through structured sequential assignments in clinical facilities, concepts of team practice, patient-centered clinical practice, and professional development will be discussed, examined, and evaluated.

t) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 221: Radiation Biology

New Description: Radiation biology content that presents basic concepts and principles including interactions of radiation with cells, tissues and the body as a whole, and resultant health effects. This content discusses the theories and principles of tolerance dose, time-dose relationships, fractionation schemes and the relationship of these principles to the clinical practice of radiation therapy.

Current Description: The concepts and principles of the interaction of radiation with cells, tissues, and the body as a whole. Biophysical events, tolerance dose, time-dose relationships, fractionation schemes, and the relationship to the clinical practice of radiation will be presented.

u) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 223: Radiation Therapy Patient Care

New Description: Patient care content for radiation therapy that provides students with foundational concepts and competencies in evaluation of patients before and after treatment delivery. The various psychological and physical needs and factors affecting treatment outcome will be presented. Both routine and emergency care procedures are discussed.

Current Description: Foundation concepts and competencies in the assessment and evaluation of the radiation therapy patient. Psychological, ethical, legal and physical needs and factors affecting treatment outcome; routine and emergency care procedures will be presented.

v) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 225: Clinical Practice II

New Description: Further establishes a knowledge base in factors that govern and influence the sequential development, application, analysis, integration, synthesis and evaluation concept and theories in radiation therapy. These concepts are also continually discussed, examined, and evaluated in the classroom.

Current Description: Clinical practicum providing sequential development, application, analysis, integration, synthesis, and evaluation of concepts and theories in radiation therapy. Through structured sequential assignments in clinical facilities, concepts of team practice, patient-centered clinical practice, and professional development will be discussed, examined, and evaluated.

w) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 230: Principles and Practice of Radiation Therapy II

New Description: The principles and practice content for radiation therapy that examines the management of neoplastic disease and promotes both critical thinking and ethical decision-making. The epidemiology, etiology, detection, diagnosis, treatment and prognosis of neoplastic disease are evaluated in relation to histology, anatomical site and patterns of spread. The radiation therapist's responsibility in the management of neoplastic disease will be examined and linked to specific professional skills within their scope.

Current Description: The role of the radiation therapist in the management of neoplastic disease. Each disease site will be examined though the study of the epidemiology, etiology, detection, diagnosis, patient condition, treatment and prognosis of the disease in relationship to histology, anatomical site, and patterns of spread.

x) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 232: Dosimetry and Treatment Planning II

New Description: Presents the more complex aspects of therapeutic calculation and treatment planning. Course content explains factors that influence clinical planning of patient treatment. This includes isodose descriptions, patient contouring, dosimetric calculations, compensation and clinical application of treatment beams. Optimal treatment planning is emphasized, and particle beams, stereotactic and emerging technologies are presented.

Current Description: Advanced dosimetry and treatment planning for the radiation therapist. This course presents the more complex aspects of therapeutic calculation and treatment planning. Students are introduced to isodose curves, isodose curve summation, and advanced modality planning.

y) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 233: Radiation Therapy Physics II

New Description: Content is designed to review and expand concepts in radiation physics.

Detailed analysis of the structure of matter, properties of radiation, nuclear transformations, production and interactions of ionizing radiations are emphasized. Treatment units used in external beam therapy, measurement and quality of radiation, absorbed dose, dose distribution and scatter analysis are among the concepts presented.
Current Description: Expanded concepts and theories in radiation physics for the radiation therapist. Detailed analysis of the structure of matter, properties of radiation, nuclear transformations, production and interactions of ionizing radiations are emphasized. Treatment units used in external beam therapy, measurement and quality of radiation, absorbed dose, dose distribution, and scatter analysis are among the concepts presented.

z) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 235: Clinical Practice III

New Description: Further establishes a knowledge base in factors that govern and influence the sequential development, application, analysis, integration, synthesis and evaluation concepts and theories in radiation therapy.

Current Description: Clinical practicum providing sequential development, application, analysis, integration, synthesis and evaluation of concepts and theories in radiation therapy. Through structured sequential assignments in clinical facilities, concepts of team practice, patient-centered clinical practice, and professional development will be discussed, examined, and evaluated.

aa) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 245: Clinical Practice IV

New Description: Further establishes a knowledge base in factors that govern and influence the sequential development, application, analysis, integration, synthesis and evaluation concepts and theories in radiation therapy.

Current Description: Clinical practicum providing sequential development, application, analysis, integration, synthesis and evaluation of concepts and theories in radiation therapy. Through structured sequential assignments in clinical facilities, concepts of team practice, patient-centered clinical practice, and professional development will be discussed, examined, and evaluated.

bb) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 246: Medical Imaging and Sectional Anatomy in Treatment Planning

New Description: Establishes a knowledge base in factors that govern and influence the recording of radiographic images in patient simulation, treatment planning and treatment verification in radiation oncology. Normal sectional anatomy via diagrams and Radiologic images will be presented.

Current Description: Integration of factors that govern and influence the recording of radiographic images in patient simulation, treatment planning, and treatment verification in radiation oncology. Normal and abnormal sectional anatomy via diagrams and radiologic

images.

cc) **School of Health Sciences: Allied Health/RATH**
Course Revision: RATH 248: Quality Management and Operational Issues

New Description: Quality management, quality assurance, safety and operations content that describes the development of a culture of safety through quality control and assurance checks. This process includes the clinical aspects of patient care, medical records, treatment delivery, localization equipment and treatment planning equipment. The role of the various radiation therapy team members in quality management will be discussed as well as the legal and regulatory implications for maintaining optimal patient care. Accreditation agencies and the radiation therapist's role in the accreditation process will also be covered.

Current Description: Presentation of quality management programs in a radiation oncology. The function and structure of hospital organizations and the radiation oncology department as a division within a hospital or clinic.

dd) **School of Health Sciences: Allied Health/MLTS**
Program Revision: Associate of Applied Science: Medical Laboratory Technician

Delete: BIOL 161/BIOL 163 *OR* BIOL 251/253 from Required Related/Prerequisite Courses
Add: BIOL 141 General Biology 1/BIOL 143 General Biology I Lab to Required Related/Prerequisite Courses
Delete: MATH 120 from General Education/Prerequisite Courses
Add: MATH 130 College Algebra to General Education/Prerequisite Courses
Delete: CHEM 141/CHEM 143 from Required Related Courses
Add: CHEM 101 Chemistry I (non-majors)/CHEM 107 Chemistry I Lab (non-majors) to Required Related Courses

Note: Program hours remain the same.

ee) **School of Construction Arts and Technical Studies/WLDG**
Course Revision: WLDG: 225: GTAW Aluminum Basic Multi-Joint

Change of Corequisite/Prerequisite:
Remove Corequisite: WLDG 101
Add Prerequisite: WLDG 101, WLDG 219, WLDG 220

ff) **School of Construction Arts and Technical Studies/WLDG**
New Course: WLDG 227: GMAW Aluminum Multi-Joint

Course Goal: To prepare students to safely set up GMAW equipment and perform multi-pass aluminum welds in fillet and groove joint configurations across all welding positions.

Course Description: Introduces students to the principles and practices of Gas Metal Arc

Welding (GMAW) on aluminum plate. Emphasis is placed on the safe set up and operation of GMAW equipment, aluminum metallurgy, base metal preparation, and proper welding techniques. Students will gain hands-on experience in producing weld pads, fillet welds, and V-groove welds in multiple positions using aluminum filler metal and plate materials. The course prepares students for multi-pass aluminum welds with an emphasis on joint fit-up, quality, and positional welding challenges.

gg) **School of Construction Arts and Technical Studies/MOVH**
Program Revision: Associate of Applied Science: Motor Vehicle Technology
Revise: Catalog Program Description, including name change of accrediting agency

hh) **School of Construction Arts and Technical Studies/MOVH**
Program Revision: Certificate of Technical Studies in Motor Vehicle Technology
Revise: Catalog Program Description, including name change of accrediting agency

ii) **School of Construction Arts and Technical Studies/MOVH**
Program Revision: Career and Technical Certificate: Motor Vehicle Maintenance and Light Repair
Revise: Catalog Program Description, including name change of accrediting agency

jj) **School of Construction Arts and Technical Studies/MOVH**
New Course: MOVH 189: Motor Vehicle Externship 0/4/4

Course Goal: Provides students with work experience in the Auto Service industry as well as an opportunity to develop their skills sets under a mentor. Requires the following forms: Student Work Information, Student Work Journal, Student Work Evaluation. It is the student's responsibility to contact the Work Experience course instructor during the first week and during the last week of the semester. The student must obtain and return these forms at the appropriate times (What's expected of the student?) during the semester or a final grade of (F) will be given to the student for that cooperative education class.

Course Description: Provides students with the opportunity to exercise, as well as apply, the skills mastered while participating in live work.

kk) **School of Construction Arts and Technical Studies/MOVH**
Concept Proposal of New Instructional Program: Technical Diploma in Motor Vehicle Technology

Program Description: The technical diploma in Motor Vehicle Technology provides two areas of concentration: Collision Repair and General Automotive. Students are instructed in the repair and maintenance operations of all ASE (Automotive Service Excellence) areas of passenger vehicles and light trucks. Completers of this technical diploma are eligible to take ASE certification exams.

The Motor Vehicle Technology program is accredited by the ASE Education Foundation, Inc. (formerly NATEF), 1503 Edwards Ferry Rd., Suite 401, Leesburg, VA 20176, Phone: (703) 669-6650.

Student Learning Outcomes:

- Diagnose modern automotive systems (SLO #1)
- Identify proper repair procedures in print and electronic service manuals (SLO #2)
- Interpret complex electrical wiring diagrams (SLO #3)
- Explain repair procedures in a concise, logical manner (SLO #4)
- Diagnose complex diagnostic trouble codes (SLO #5)
- Interpret automotive data acquired from diagnostic scanners (SLO #6)
- Verify that repairs solved customer concerns (SLO #7)

ll) **School of Construction Arts and Technical Studies/TECH**

Take motion from the table: New course: TECH 214: Applied Workplace Relations for Technical Fields 3/0/3
(tabled from meeting of March 28, 2025)

Course Goal: To equip students with expected professional behavior and conduct skills that promote effective communication, teamwork, and problem-solving in industrial and technical settings, enabling them to navigate workplace challenges, foster professional growth, and contribute to a positive organizational culture.

Course Description: A practical exploration of expected behavior, civility, and conduct tailored for industrial, constructional, and technical environments. Students will develop essential interpersonal skills to enhance workplace relationships and career success. Emphasis is placed on applying strategies for effective professional conduct, improving emotional intelligence, and fostering a positive, collaborative work culture.

mm) **School of Construction Arts and Technical Studies/TECH**

Take motion from the table: New course: TECH 215: Industrial Documentation and Reporting 3/0/3
(tabled TECH 205 from meeting of March 28, 2025)

Course Goal: To equip students with the technical communication and presentation skills necessary to convey complex information effectively and professionally in industrial and technical environments and to prepare students to complete real-world industrial documentation and presentations using appropriate industry jargon and context.

Course Description: Introduces students to the principles and practices of technical writing, professional jargon, and effective presentation techniques tailored for industrial and technical fields. Students will learn to craft clear, concise, and professional documents, conduct technical research, and deliver impactful presentations aligned with industrial workplace expectations. These documents, procedures, and presentations will replicate those used in the real-world industrial setting.

nn) **School of Construction Arts and Technical Studies/TECH**

Take motion from the table: New course: TECH 216: Industrial Systems II: Applied Quality Improvement 2/4/3
(tabled from meeting of March 28, 2025)

Course Goal: To prepare students to assess, document, and implement quality improvement strategies and tools, fostering operational efficiency, enhanced productivity, and sustainable performance in industrial systems.

Course Description: Explores the principles and practices of quality improvement in industrial systems, emphasizing tools, techniques, and methodologies for process optimization and performance excellence. Lab topics include Six Sigma strategies, statistical process control, motion and time studies, and workforce engagement strategies, with practical applications in manufacturing and industrial environments.

oo) **School of Construction Arts and Technical Studies/TECH**

Take motion from the table: New course: TECH 232: Applied Project Management & Supervision for Industry 2/4/3
(tabled from meeting of March 28, 2025)

Course Goal: To equip students with the knowledge and skills required to effectively manage and supervise industrial and construction projects, aligning with industry-based certification standards and fostering professional excellence in the field; to apply these standards using project-based learning exercises.

Course Description: Introduces students to industrial and construction project management and supervision fundamentals. Students will complete project planning, cost estimation, scheduling, and resource control. The labs emphasize the application of the industry standards to manage and supervise a real-world project, preparing students for Industry-Based certification (IBC).

pp) **School of Construction Arts and Technical Studies/TECH**

Take motion from the table: New course: TECH 255: Reality Capture Systems & Applications 2/4/3
(tabled from meeting of March 28, 2025)

Course Goal: To equip students with the knowledge and skills required to perform reality capture scans, process the resulting data, and prepare industry-ready data files in order to create 3D models.

Course Description: Provides students with a solid understanding of reality capture techniques and technologies used in the creation of virtual environments for industry and construction applications. Students will learn about the hardware and software commonly used in the industry, the process of reality capture, and the processing of the raw data into environment-building-ready file packages. In the lab, students will apply these skills to digitally capture and create 3D models of the raw data.

qq) **School of Construction Arts and Technical Studies/TECH**

Take motion from the table: New course: TECH 256: Virtual Environments for Industry 2/4/3
(tabled from meeting of March 28, 2025)
Course Goal: To equip students with the knowledge and skills required to analyze

point-cloud raw data and to transform the data to create a full rendered virtual environment with interactive elements.

Course Description: Provides students with the foundational theories involved in transforming point cloud data into rendered scenes, then creating interactive virtual environments with that data. In the lab, students will learn about the hardware and software commonly used in the industry, how to process the raw data into environment-building ready file packages, how to render those packages into virtual environments, and how to add interactive elements.

rr) **School of Construction Arts and Technical Studies/TECH**
Take motion from the table: New Course: TECH 270: Rapid Prototyping Using Additive Manufacturing 2/4/3
(tabled from meeting of March 28, 2025)

Course Goal: To provide students with a comprehensive understanding of rapid prototyping and additive manufacturing principles; to design, develop, and evaluate prototypes for industrial applications.

Course Description: Explores the principles and applications of rapid prototyping and additive manufacturing in product design. In the lab, students will gain hands-on experience with virtual prototyping tools, additive manufacturing techniques, and the product design process, culminating in a capstone project where they create, test, and present a functional prototype.

ss) **School of Construction Arts and Technical Studies/Industrial Maintenance**
Program Revision: Certificate of Technical Studies: Industrial Maintenance Technology

Change name: *From* Industrial Maintenance Technology *to* Industrial Maintenance and Manufacturing Technology
Revise: Catalog Program Description
Delete: TECH 101 from Required Related category
Delete: Required Related category
Add: TECH 101 to Required Courses in Major
Add: TECH 110 to Required Courses in Major
Delete: MANF Required Courses in Major
Add: Approved Elective category of MANF/TECH courses 210 or above

Note: Program hours change from 33 to 28

tt) **School of Construction Arts and Technical Studies/Electrician: Small Industrial**
Program Revision: **Certificate of Technical Studies: Electrician: Small Industrial**

Change name: *From* Electrician: Small Industrial *to* Electrical Technology for Industrial Automation
Revise: Catalog Program Description
Delete: ELEC 102 and ELEC 103 from Required Courses in Major

Add: ELEC 101: Electrical Designs and Calculations to Required Courses in Major (replacement for ELEC 102 and ELEC 103)
Delete: ELEC 124 from Required Courses in Major
Add: ELEC 125: Navigating the NEC to Required Courses in Major (replacement for ELEC 124)
Delete: ELEC 144 from Required Courses in Major
Add: Approved Electives category (choose 6 hours)
Add: ELEC 144 to Approved Electives category
Add: ELEC 133 to Approved Electives category
Add: TECH 290 (new) to Approved Electives category
Add: TECH 295 (new) to Approved Electives category

Note: Program hours remain the same.

uu) **School of Construction Arts and Technical Studies/INCO**
Program Revision: Associate of Applied Science: Instrumentation and Control

Delete: ELET 287, ELST 103, ELST 104, ELST 152, ELST 154 from Required Courses in Major
Add: ELEC 101, ELEC 112, ELEC 208 to Required Courses in Major (to replace above with equivalent CATS courses)
Add: TECH 101: NCCER Technical Core to Required Courses in Major
Delete: INCO 242, INCO 243, INCO 244, INCO 263, INCO 297 from Required Courses in Major
Add: Approved Electives category (choose at least 12 hours)
Add: INCO 242, INCO 243, INCO 244, INCO 263, INCO 297, ELEC 144, TECH 290 to Approved Electives category
Add: "OR TECH 110" to HESC 102 Required Related Course
Delete: CHEM 141/143 from General Education Requirements
Add: CHEM 101/107 to General Education Requirements
Delete: MATH 128 and MATH 133 from General Education Requirements

Note: Program hours change from 60 to 61.

vv) **School of Construction Arts and Technical Studies/INCO**
Concept Proposal of New Instructional Program: Certificate of Technical Studies in Instrumentation and Control

Program Description: The Certificate of Technical Studies in Instrumentation and Control (INCO) prepares students for entry-level careers in industrial automation, process control, and instrumentation technology. The program provides hands-on training in electrical and control systems, sensor technologies, programmable logic controllers (PLCs), and industrial measurement techniques used in manufacturing, energy, and process industries.

Students will learn to install, calibrate, troubleshoot, and maintain instrumentation and control systems that regulate industrial processes such as pressure, temperature, flow, and level control. The curriculum emphasizes safety, regulatory compliance, and industry best practices, ensuring graduates are ready for entry-level positions in instrumentation and process control.

Student Learning Outcomes:

- Apply safety protocols and industry regulations related to instrumentation, process control, and electrical systems. (SLO #1)
- Install and configure industrial sensors, transmitters, and control devices used in automated processes. (SLO #2)
- Troubleshoot and maintain electrical and control systems in industrial environments. (SLO #3)
- Interpret process control diagrams and schematics to analyze and optimize system performance. (SLO #4)
- Program and integrate PLCs and automation controls for industrial applications. (SLO #5)

VII. Consent Agenda

a) **School of Liberal Arts, Social Sciences, and Education/FNAR**
Course Termination: FNAR 150: Introduction to Gemology
Course Termination: FNAR 155: Ceramics I
Course Termination: FNAR 156: Ceramics II
Course Termination: FNAR 202: Advanced Drawing
Course Termination: FNAR 207: Pastel Painting
Course Termination: FNAR 209: Painting III
Course Termination: FNAR 211: Advanced Painting
Course Termination: FNAR 225: Advanced Ceramics
Course Termination: FNAR 241: Advanced Stone Setting

b) **School of Liberal Arts, Social Sciences, and Education**
Revise course fees

c) **School of Business/CULA/PAST**
Revise course fees for Culinary and Pastry

d) **School of Health Sciences: Allied Health**
Revise course fees

VIII. Old Business

IX. Next Meeting TBA

X. Adjournment