



## CURRICULUM COMMITTEE MEETING

Friday, November 22, 2024, 2:00 p.m.

City Park Campus, Bayou St. John, Student Life Center

(Building #23, Second Floor)

### MINUTES

I. **Call to Order** The meeting was called to order at 2:04 pm by Dr. Rosaria Guastella, Chair.

II. **Roll Call**

Present Were:	Jennifer Bennett Jesse Boyd Peter Cho Maria Cisneros Emily Cospers Caitlin Cooper Theresa Degruy Raymond Duplessis	Jennifer Fernandez Lilian Gamble Harold Gaspard Sarah Inman Nichole Labat Shawn Loht Alexander McMillen Michael Santos Sara Strickland
Attending to Other Business:	John Arbour Malene Arnaud-Davis Angela Camaille Lesha Coulon Ty Delger Elizabeth Duett Leslie Falkins Alcindo Frye Janet Gauthier-Stephens Michelle Greco	Larisia Jones Pam Kemp Tara LaFrance Randolph Marinoni, Jr. Vance Roux David Sanders Traci Smothers Timothy Stamm Cristina Alvarado-Suarez Theodore Walley Arlanda Williams
Guests:	Cheryl Brown Emmett Davis Alyssia Dayries-Sam	Claud Richard Jimmy Stevens Michael Toups Beth Weindel

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

**IV. Minutes of meeting of October 25, 2024**

The minutes of the meeting of October 25, 2024 were reviewed and approved as presented. **[Motion: Harold Gaspard; Second, Raymond Duplessis; Carried, Unanimously]**

**V. Curriculum Operations Report**

- The proposed Diesel Technology and EMTE Advanced Paramedic C.T.C. programs are currently waiting for approval from the Board of Regents.

**VI. New Business**

a) **School of Health Sciences/Allied Health/DMSU**

**New Course:** DMSU 281: Vascular Ultrasound 3/0/3

**Course Goal:** This course is designed to provide an understanding of human anatomy and pathology as it relates to vascular disease while improving diagnostic ultrasound scanning techniques. Students will acquire knowledge to identify normal and anomalous 2D vessel anatomy and perform spectral waveform measurements to properly quantitate vascular disease. The body regions and specific anatomy include but are not limited to extracranial vessels, intracranial vessels, lower extremity vessels, and upper extremity vessels.

**Course Description:** Lecture course designed to familiarize the student with the use of ultrasound and non-imaging physiologic techniques in the diagnosis of cerebrovascular and peripheral vascular disease.

Motion to accept item **[Motion: Raymond Duplessis; Second: Emily Cosper; Carried, Unanimously]**.

b) **The Agenda was reordered and items were combined for discussion. Original Placement Items VI. b to VI. d.**

**School of Health Sciences/Allied Health/EMTE**

**New Course:** EMTE 215: Advanced Emergency Medical Technician 4/0/4

**Course Goal:** This course will prepare the student to be an entry level AEMT, able to function independently at the AEMT level, providing assessment, recognition, and treatment of various medical and trauma related problems. The successful completion of the course prepares the student to take the EMS national registry written examinations.

**Course Description:** This course is designed to prepare the student to function competently as an Advanced Emergency Medical Technician (AEMT) as described in the National EMS Scope of Practice Model. The primary focus of EMS providers at this level takes the skill and knowledge set of the EMT and adds new skills and treatment modalities for critical and emergent patients who access the emergency medical

system. The Advanced Emergency Medical Technician (AEMT) functions as part of a comprehensive EMS system and functions under medical oversight to provide emergency care at a higher level than EMT level providers but less than that provided by a Paramedic level provider.

*Note: Skills are taught according to national standards. Before performing any procedure, graduates must verify that it is allowed by their medical director and by the governmental jurisdiction where they practice.*

**School of Health Sciences/Allied Health/EMTE**

**New Course:** EMTE 216: Advanced Emergency Medical Technician Laboratory 0/3/1

**Course Goal:** This course will prepare the student, via the training and hands-on practical skills in a lab setting, to be an entry level AEMT, performing new ALS skills. This course is designed, in conjunction with its co-requisites, to prepare the student to function independently at the AEMT level. Using the skills acquired in EMTE 216, the student will provide appropriate treatment of various medical and trauma related problems. The successful completion of this course prepares the student to take the EMS national registry written examinations.

**Course Description:** This course is designed to supplement the EMTE 215 course, therefore preparing the student to appropriately perform hands-on practical skills in the lab setting. These will be used by the student as determined by the knowledge obtained in the EMTE 215 course, competently as an Advanced Emergency Medical Technician (AEMT) as described in the National EMS Scope of Practice Model. The primary focus of EMS providers at this level is to take the skill and knowledge set of the EMT and add new skills and treatment modalities for critical emergent patients who access the emergency medical system. The Advanced Emergency Medical Technician (AEMT) functions as part of a comprehensive EMS system and functions under medical oversight to provide emergency care at a higher level than EMT level providers but less than that provided by a Paramedic level provider.

*Note: Skills are taught according to national standards. Before performing any procedure, graduates must verify that it is allowed by their medical director and by the governmental jurisdiction where they practice.*

**School of Health Sciences/Allied Health/EMTE**

**New Course:** EMTE 217: Advanced Emergency Technician Clinical Practicum 0/6/1

**Course Goal:** This course will prepare the student to properly perform comprehensive patient assessments at the clinical setting, with a focus on AEMT skills and capabilities.

**Course Description:** Introduction to Advanced Emergency Medical Technician (AEMT) skills in the clinical setting. Time will be scheduled in the clinical environment on a weekly basis. Registered nurses, physicians, or paramedics will directly supervise the student in the delivery of AEMT level patient care according to state law.

*Note: Skills are taught according to national standards. Before performing any*

*procedure, graduates must verify that it is allowed by their medical director and by the governmental jurisdiction where they practice.*

Motion to accept items **[Motion: Jennifer Bennett; Second: Lilian Gamble; Carried, Unanimously]**.

- c) *The Agenda was reordered. Original Placement Item VI.e.*

~~**School of Liberal Arts, Social Sciences, and Education/AALT**~~

~~**Program Deletion: Terminate the Criminal Justice Concentration from the Associate of Arts Louisiana Transfer Degree (AALT).**~~ The item was removed for consideration until a future date.

- d) *The Agenda was reordered. Original Placement Item VI.f.*

**School of Science, Technology, Engineering, and Mathematics/  
CNCY**

**New Course:** CNCY 251: Ethical Hacking and Network Defense 3/0/3

**Course Goal:** Provide students with the knowledge and tools to assess vulnerabilities in technology so those weaknesses can be corrected before they are exploited and introduce the guiding principles of ethics and professionalism which ethical hackers/penetration testers should exemplify.

**Course Description:** An introduction to ethical hacking/penetration testing, which is the process of evaluating the security of a computer system by simulating an attack carried by a malicious hacker. Students are introduced to many topics, strategies, techniques and tools used in ethical hacking and gain the necessary skills and knowledge needed to verify the security of networks and systems based on common vulnerabilities which can be exploited by unauthorized users. Motion to accept item **[Motion: Sara Strickland; Second: Jennifer Bennett; Carried, Unanimously]**.

- e) *The Agenda was reordered. Original Placement Item VI.g.*

**School of Science, Technology, Engineering, and Mathematics/MATH**

**New Course:** MATH 171: Introduction to Data and Decision Science 3/0/3

**Course Goal:** Provide students with an introduction to data and decision science. The course will introduce students to reading, preparing, exploring, organizing, and analyzing data; and build critical thinking and decision-making skills.

**Course Description:** An introduction to data science and its tools to explore, organize and analyze data. Topics include preparing, summarizing, visualizing, and analyzing data. Motion to accept item **[Motion: Jennifer Bennett; Second: Emily Cosper; Carried, Unanimously]**.

- f) *The Agenda was reordered and items were combined for discussion. Original Placement Items VI. h to VI. m.*

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 127: Photo Editing Software 3/0/3

to replace ADOT 131: Photo Editing for Windows

**Course Goal:** In this course, students learn Adobe Photoshop through step-by-step instructions and in-depth explanations. This course teaches the average computer user the features of Adobe Photoshop software quickly and easily.

**Course Description:** This introductory course teaches photo-editing software used to prepare photographs and photographic quality artwork for the web and for print. Proficiency with the Windows operating system and with application software is recommended prior to taking this course.

**School of Science, Technology, Engineering, and Mathematics/ADOT**

**New Course:** CITS 128: Digital Illustration Software 3/0/3  
to replace ADOT 135 Digital Illustration Software

**Course Goal:** In this course students will be taught Adobe Illustrator through step-by-step instructions and in-depth explanations. This course teaches the average novice computer user the features of Adobe Illustrator. This course is aligned to the industry-based certification Adobe Certified Professional (previously Adobe Certified Associate or ACA) in Graphic Design & Illustration. Opportunities are provided to the student to obtain information and training that helps prepare the student to take the certification exam.

**Course Description:** Development of skills using industry-standard software to create and modify illustrations. Using hands-on projects, students will prepare illustrations for use in both print and the web. Proficiency with Windows operating system recommended.

**School of Science, Technology, Engineering, and Mathematics/ADOT**

**New Course:** CITS 167: Modeling and Texturing for 3D Animation and Games 3/0/3  
to replace ADOT 161: Modeling and Texturing for 3D Animation and Games

**Course Goal:** This course will provide the student with sufficient knowledge and hands-on experience to be able to be productive creating basic poly-models and textures. This course is aligned to the industry-based certification in 3DS MAX. Opportunities are provided to the student to obtain information and training that helps prepare the student to take the Autodesk Certified User 3DS MAX certification exam.

**Course Description:** Hands-on basic approach in the use of hardware and software involved in 3-dimensional modeling for game production and simulation. Processes and products are designed to teach students use of high demand software for the gaming industry.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 168: 3D Modeling and Animation for Games and Film 3/0/3  
to replace ADOT 162: 3D Modeling and Animation for Games and Film

**Course Goal:** This course is a hands-on basic approach in the use of hardware and software involved in 3-dimensional modeling for game production and simulation. This course is designed to teach students the use of industry-standard software for the

animation/gaming industry. This course is aligned to the industry-based certification in Autodesk Maya. Opportunities are provided to the student to obtain information and training that helps prepare the student to take the Autodesk Certified User Maya certification exam.

**Course Description:** Creation of simple objects that can be integrated into a complex and already completed model to generate a computer graphic solution used in the 3d design industry. The computer software program Maya is used in this course. The instruction provided in the course will include lectures and guided hands-on exercises. Upon successful completion of the course, students will be able to perform design work in Maya that will be typical of industry expectations.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 225: User Experience and Prototyping 3/0/3

to replace ADOT 209: User Experience and Prototyping

**Course Goal:** Students will learn appropriate industry-standard prototyping software for designing and prototyping websites and mobile apps. Students will also learn user experience principles and best practices to create interactive prototypes.

**Course Description:** Responsive web app design and prototyping using industry standard interactive prototyping software. Students will apply user experience principles to wireframe, prototype, and design interactive web sites and applications.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 221: Web Design Using Dreamweaver 3/0/3

to replace ADOT 215: Web Design Using Dreamweaver

**Course Goal:** The goal of the course is to enable students to achieve conceptual knowledge about how Dreamweaver and the Internet work and get hands-on experiences in actually making them work. Students can expect to gain a working knowledge of the Internet technologies which employers are expecting.

**Course Description:** Introduction to using PC platform Adobe Dreamweaver. Students are introduced to a web-design program that uses visual layout tools with text-based HTML editing features for the creation, management, and maintenance of web sites.

Motion to accept items [Motion: Harold Gaspard; Second: Sara Strickland; Carried, Unanimously].

- g) The Agenda was reordered and items were combined for discussion. Original Placement Items VI. n to VI. x.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 131: Python Programming Logic I 3/0/3

to replace CMIN 203: Python Programming Logic I

**Course Goal:** This course teaches through Python the procedures for solving problems and making decisions through the development of pseudocode algorithms, flowcharts/diagrams, program definitions and descriptions, and test data that can be implemented in any high-level language.

**Course Description:** Programming logic, physical design, specification, and documentation This course emphasizes business problem solving with programmable solutions and computational thinking.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 111: Information Technology and Systems 3/0/3  
to replace CMIN 204: Fundamentals of Information Technology and Systems

**Course Goal:** This survey course introduces the student to the skills and concepts of information systems and information technology professions. After completing this course, students will be able to make an informed decision on whether they want to pursue a career in the information technology field.

**Course Description:** Survey course to provide the necessary foundation for understanding Computer Information Technology. Coverage of the fundamentals of information systems and information technology concepts, strategies, and skills; these will include programming logic and coding, database design and development, web design and website development, communication and networking, IT support, large systems design, and information system project management.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 132: Python Programming Logic II 3/0/3  
to replace CMIN 207: Python Programming Logic II

**Course Goal:** Students are introduced to topics and learning objectives required to understand computer programming—thinking, problem solving, designing, production, testing, and demonstration. This course is a continuation of CITS 131 and prepares students for more complex computing courses as are found in a four-year degree program.

**Course Description:** Advanced algorithm design. Topics include fundamentals of programming structures, problem definition and solving, developing computer algorithms, identification and use of data structures, debugging, effective GUI (Graphic User Interface) design, and selected operating system topics.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 136: Visual Basic Programming 3/0/3  
to replace CMIN 211: Event Driven Programming

**Course Goal:** This course provides the student with knowledge and skills of event-driven programming using Visual Basic.

**Course Description:** This course teaches the fundamental and intermediate skills of event-driven programming using Visual Basic. Lectures, hands-on learning assignments, and project activities guide students to learn knowledge of programming principles and basic event-driven skills and techniques.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 141: Introduction to C++ 3/0/3  
to replace CMIN 214: Introduction to C++

**Course Goal:** To teach the student to write executable programs in the C++ computer programming language.

**Course Description:** Application programming using the C++ computer programming language in the Windows environment using an Integrated Development Environment (IDE) for C++. The emphasis is on problem solving and the creation of innovative and useful programs in the Windows environment. The problems are derived from a variety of applications which are to be solved using programs written in the C++ programming language.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 121: Front-End Web Development I 3/0/3  
to replace CMIN 216: Foundational Web Development

**Course Goal:** Conceptual knowledge about how the internet works and gain hands-on experience in making it work. Students will obtain a working knowledge of the Internet technologies that employers are expecting.

**Course Description:** Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), search engine optimization (SEO), and fundamental client-side web development. This course is an introduction to concepts, skills, and development techniques used to design, develop, and deploy websites on the Internet and the World Wide Web.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 161: Introduction to Game Design and Development 3/0/3  
to replace CMIN 217: Introduction to Game Design and Development

**Course Goal:** The goal of this course is to provide students with the knowledge of a variety facts, concepts, and understandings related to video/computer games and simulation. Included are: understanding of the processes and products of video/computer game design and development, an introduction to typical skills needed and technologies used, and an overview of the video/computer game industry and careers.

**Course Description:** An introduction to electronic game development and careers in the gaming industry. The course includes a study of the history and philosophy of games, the game production process, employee factors for success in the field, and current issues and practices in the game development system. Simulation applications are discussed.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 162: Game Structure and Development 3/0/3  
to replace CMIN 218: Game Structure and Development

**Course Goal:** In this course, students develop games and other artifacts for their portfolios. They will learn how to integrate their ideas into an overall game structure. Students also learn how to evaluate a game and improve upon the game code by integrating their solutions. Upon completing this course, students will be prepared to sit for the Unity Certified Associate: Programmer exam. Students may also choose to sit



for the Unity Certified Associate: Game Developer exam, as some topics from that exam will also be covered.

**Course Description:** Further game development and programming. Participants develop original game storyboards, levels, characters, and concepts, and then will integrate their ideas into a game structure. Prepares students for Unity certification at the associate level.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 122: Front-End Web Development II 3/0/3  
to replace CMIN 220: Intermediate Web Development to

**Course Goal:** This course teaches students the skills needed to become front-end web developers, continues the web development skills taught in CITS 121, and extends skills beyond markup and styling languages and into client-side scripting language. Tools and strategies are taught that will enable students to build websites that include automation and data connectivity. The course also stresses project-based learning in which students must apply critical thinking skills to solve problems and iterate on previous work to create new solutions.

**Course Description:** Front-end development and client-side scripting. Applying the learning outcomes of CMIN 216, including design, development, and deployment of web pages using HTML and CSS on a Unix/Linux-based web server, this course teaches client-side scripting, including API calls, DOM manipulation, session storage, and interactive animations. Beginning server-side scripting concepts are also introduced.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 235: Discrete Structures 3/0/3  
to replace CMIN 232: Discrete Structures to

**Course Goal:** Students are introduced to topics and learning objectives required to understand structures that underlie computing and information technology. This course helps students understand the various constructs used throughout computing and information technology; programming, databases, networking, and operating systems. The course provides additional preparation for more complex computing courses as are found in a four-year degree program.

**Course Description:** This course is a supplement to the Python programming logic courses and essential for students planning to transfer to a computer science related baccalaureate degree program. Topics include Boolean algebra, logic, proofs, sets, combinatorics, relations, function, recursion, and partially-ordered sets.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 116: Cloud Computing Foundations 3/0/3  
to replace CMIN 233: Cloud Computing Foundations

**Course Goal:** The course provides the student with an understanding of what cloud computing is and the basics of what is needed to deploy, secure, and manage cloud computing.

**Course Description:** Overview of cloud computing concepts, independent of specific technical roles. Includes cloud concepts, core cloud services, security, architecture, pricing, and support.

Motion to accept items [**Motion: Harold Gaspard; Second: Theresa DeGruy; Carried, Unanimously**].

- h) *The Agenda was reordered and items were combined for discussion. Original Placement Items VI. y to VI. aa.*

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 151: Cyber Security I 3/0/3

to replace CMIN 244: Introduction to Cyber Security

**Course Goal:** Builds knowledge and skills required to identify attacks, threats, and vulnerabilities; design a strong security architecture; implement security controls; be knowledgeable of security operations and incident response; and be well versed in governance, risk, and compliance requirements. Allows students to begin study for the CompTIA Security+ Certification exam.

**Course Description:** Equips learners with the knowledge and skills needed to be information security IT professionals. Teaching the fundamentals of cyber security by using Industry Standard certification objectives as its framework, the course takes a comprehensive view of security by examining today's attacks against networks and endpoints and what is needed to defend against them.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 153: Cyber Security II 3/0/3

to replace CMIN 246: Introduction to Information Assurance

**Course Goal:** This course teaches the average computer user the literacy concepts and principles of Information Security, plus the skills required for today's Information Assurance professional. NSA standards established by ISC2 are used to develop and teach all components of this course. After completing this course and CNCY 151, students will be prepared to study for the SSCP Certification exam.

**Course Description:** Information assurance topics and techniques; the value of securing data both for employees and for an organization. Local, state, and federal privacy management, security policies, and common threats and countermeasures as well as best practices for information assurance in industry.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY: 253: Digital Forensic Analysis and Cyber Crime 3/0/3

to replace CMIN 248: Computer Forensics and Cyber Crime

**Course Goal:** This course explores issues surrounding cybercrime and computer forensics. The students will examine legal issues related to cybercrime and computer forensics, including constitutional rights and legislation, right to privacy, and methods involved in creating legislation concerning cybercrime.

**Course Description:** This course outlines types of computers and cybercrime and ways

in which to uncover, protect, exploit, and document digital evidence. Students will be taught different types of tools (both software and hardware), techniques and procedures, and be able to use them to perform rudimentary forensic investigations. Motion to accept items [Motion: Jennifer Fernandez; Second: Theresa DeGruy; Carried, Unanimously].

- i) The Agenda was reordered and items were combined for discussion. Original Placement Items VI. bb to VI. gg.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 231 Java Programming I 3/0/3

to replace CMIN 250: Java Programming I

**Course Goal:** This course provides students with the opportunity to learn elementary knowledge and skills of object-oriented programming using Java.

**Course Description:** Elementary elements of programming using the JAVA programming language. Project activities allow students to learn programming principles and the basic JAVA skills and techniques.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 223: Back-End Web Development 3/0/3

to replace CMIN 255: Advanced Web Projects

**Course Goal:** Students will create complex websites and applications incorporating skills from various areas of expertise including graphics, multi-media, site design, programming and web-authoring tools. Students will also learn advanced features in software and using databases.

**Course Description:** Creation of high-end, professional quality, dynamic websites from the planning stage through design and development to publishing on the World Wide Web. Students will use and enhance skills learned in several courses from the program.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 232: Java Programming II 3/0/3

to replace CMIN 257 Java Programming II

**Course Goal:** This course provides the student with intermediate knowledge and skills of object-oriented programming using Java.

**Course Description:** This course continues teaching programming using the Java programming language that was begun in CITS 231. It provides instruction for knowledge and skills needed to design and build intermediate level Java programs. Object oriented structures, the API, additional classes and methods, and interaction with databases are taught.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 173: Database Management Systems 3/0/3

to replace CMIN 266: Database Management Systems

**Course Goal:** The goal of this course is to provide the student with the knowledge and

skills required to design and implement a relational database management system.

**Course Description:** Covers the fundamental elements of a database management system, its role in information systems, and its relationship to programming languages. Design of relational database management is taught followed by implementation. Also covered are the functions of a DBMS, database administration, and system structures for DBMS (desktop, network server, client server, web, distributed).

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 238: Systems Analysis and Design 3/0/3

to replace CMIN 291: Systems Analysis Methods

**Course Goal:** The goal of this course is to teach students to perform systems analysis and design using various modern structured communication and modeling tools and methods.

**Course Description:** Overview of system development life cycle. Emphasizes current system documentation through use of classical and structured tools/techniques for describing process flows, data flows, data structures, file designs, input and output designs and program specifications. Examines information gathering and reporting activities and transitions from system analysis to system design.

**School of Science, Technology, Engineering, and Mathematics/CITS**

**New Course:** CITS 295: Internship 0/10/3

to replace CMIN 295: Internship

**Course Goal:** To give students an opportunity to apply, in a work setting, the knowledge they have gained in the classroom.

**Course Description:** Capstone course designed to be completed in a student's last semester of the degree program. Students will engage in supervised study in an approved area of the discipline to gain practical work experience; or, to develop intensive research, seminars, or reports in a specific computer information technology area of study.

Motion to accept items **[Motion: Sara Strickland; Second: Raymond Duplessis; Carried, Unanimously]**.

- j) *The Agenda was reordered and items were combined for discussion. Original Placement Items VI. hh to VI. nn.*

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 111: Survey of Operating Systems 3/0/3

to replace CNET 117: Network Multiunit Systems

**Course Goal:** Provide students with a comprehensive understanding of computer operating systems, allowing them to perform roles in a variety of Operating System environments.

**Course Description:** This course covers Computer and Operating System components, OS design concepts, the role of the CPU and the evolution of modern Oss from a historical perspective. This is a fundamental course that provides the foundation for

later computer courses and certifications that focus on hardware systems, on-premise and cloud networking, programming, and security.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 121: Networking I 3/0/3

to replace CNET 157: Network System Basics

**Course Goal:** Provide students with a comprehensive understanding of networking technologies, equipment, concepts, topologies and terminology used in modern networking. A variety of network equipment will be discussed, including hubs, routers, switches, and NICs as well as common LAN and WAN protocols as they are structured within the OSI and TCP/IP networking models.

**Course Description:** This course introduces students to computer networks through lectures, discussions, scenarios, demonstrations, chapter review questions, and textbook exercises; skills and knowledge necessary to configure, manage, and troubleshoot a network environment. Students will be prepared to study for the CISCO CCST Networking Certification. Concurrent enrollment or completion of CITS 111 is recommended.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 141: Windows Server 3/0/3

to replace CNET 178: Windows Server

**Course Goal:** Prepares students to deploy Windows Server in a variety of environments, including data center and cloud environments that rely on virtualization and containers.

**Course Description:** Through commonly used Windows network operating systems, the course focuses on installation, configuration, administration, maintenance, and troubleshooting networked computer system servers.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 211: Virtual Computer Systems 3/0/3

to replace CNET 180: Virtual Computer Systems

**Course Goal:** This class will cover the basic mechanisms and techniques involved in resource virtualization, from individual machines to virtualized networked infrastructures. Students will develop a deep understanding of various types of virtualization techniques, the advantages and disadvantages, and to be able to apply them in a practical setting.

**Course Description:** Presents the fundamentals of virtualization technology using the latest virtualization products in networked server environments. Students gain the knowledge necessary to install virtual networks, implement high-availability clusters, and enhance performance and security and build the skills necessary for the understanding of virtualization. Course may be taught as face-to-face, hybrid or online course.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 221: Linux System Administration 3/0/3

to replace CNET 197: Linux Systems Fundamentals

**Course Goal:** Students are introduced to the key procedures of Linux Operating System which include maintaining and securing the file system, configuring network services and cloud technologies, shell scripting, troubleshooting, and system performance. Through hands-on/virtual experience, students solve network administration problems, and this course prepares them for the CompTIA Linux+ Certification.

**Course Description:** A course covering the installation, use, and management of Linux Client & Server Operating Systems as well as implementation of Apache web server resources. The course provides students with the opportunity to apply network administration in a comprehensive manner.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 241: Networking II 3/0/3

to replace CNET 277: Network Design

**Coarse Goal:** Building upon previous coursework, students will focus on industry standard networking technology to configure, maintain, and troubleshoot networks. Students acquire skills needed for entry-level networking positions, and this course prepares them for the CompTIA Network+ Certification exam.

**Course Description:** Explore the design and operation of enterprise local area networks (LANs) and wide area networks (WANs) using server and client operating systems, networking appliances, and transmission media.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 261: Cloud Architecture 3/0/3

to replace CNET 294: Cloud Architecture

**Course Goal:** Building upon previous coursework, students will focus on industry standard Cloud technology to configure, maintain, and troubleshoot Cloud-Based infrastructure. Students acquire skills needed for an entry-level Cloud Computing position, and this course prepares them for the AWS Certified Solutions Architect Associate exam.

**Course Description:** Provides a foundation to careers in Cloud Architecture by examining Cloud Environment: networking strategies, database usage, software capabilities, and applications engineered to leverage the power of cloud resources to solve business problems.

Motion to accept items **[Motion: Michael Santos; Second: Emily Cosper; Carried, Unanimously]**.

- k) *The Agenda was reordered and items were combined for discussion. Original Placement Items VI. 00 to VI. pp.*

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 131: IT Hardware Support 3/0/3

to replace ELST 262: IT Hardware Support

**Course Goal:** This course, along with CNCY 132, prepares students for the CompTIA A+ Certification and for a wide variety of careers in technical support.

**Coarse Description:** Fundamentals of Computer Technology, installation and configuration of PCs, laptops, related hardware, and networking basics.

**School of Science, Technology, Engineering, and Mathematics/CNCY**

**New Course:** CNCY 132: IT Software Support 3/0/3  
to replace ELST 267: IT Software Support

**Coarse Goal:** This course, along with CNCY 131, prepares students for the CompTIA A+ Certification and for a wide variety of careers in technical support.

**Coarse Description:** Fundamentals of supporting Information Technology software installation, configuration, and troubleshooting of computer and mobile operating systems.

Motion to accept items **[Motion: Harold Gaspard; Second: Lilian Gamble; Carried, Unanimously]**.

- l) The Agenda was reordered. Original Placement Item VI.qq.

**School of Science, Technology, Engineering, and Mathematics/C.T.C. Computer Repair Certification**

**Program Revision:** C.T.C. Computer Repair Certification

New Course CNCY 121 to replace CNET 157 (agenda item ii)

New Course CNCY 131 to replace ELST 262 (agenda item oo)

New Course CNCY 132 to replace ELST 267 (agenda item pp)

Program hours do not change.

Motion to accept item **[Motion: Jennifer Bennett; Second: Theresa DeGruy; Carried, Unanimously]**.

- m) The Agenda was reordered. Original Placement Item VI.qq.

**School of Science, Technology, Engineering, and Mathematics/C.T.C. Information Security/Assurance**

**Program Revision:** C.T.C. Information Security/Assurance

Change name of program from Information Security/Assurance to Cyber Security

Change in catalog description to reflect name change of program

New Course CITS 111 to replace CMIN 204 (agenda item o)

New Course CNCY 151 to replace CMIN 244 (agenda item y)

New Course CNCY 153 to replace CMIN 246 (agenda item z)

New Course CNCY 121 to replace CNET 157 (agenda item ii)

Program hours do not change.

Motion to accept item **[Motion: Jennifer Bennett; Second: Theresa DeGruy; Carried, Unanimously]**.

- n) The Agenda was reordered. Original Placement Item VI.rr.

**School of Science, Technology, Engineering, and Mathematics/A.A.S. Computer Network Technology**

**Program Revision: A.A.S. Computer Network Technology**

Change name of program from Computer Network Technology to Computer Networking and Cyber Security

Change in catalog description to reflect name change of program

Change in Student Learning Outcomes:

- Upon successful completion of the Computer Networking and Cyber Security AAS Associate of Applied Science program, the learner will be able to:
- Use critical thinking techniques, skills, and tools to troubleshoot and conduct standard tests and interpretation of diagnostic results to solve computer networking problems (SLO #1)
- Communicate technical solutions to technical and non-technical stakeholders such as end users, managers, and peers. (SLO #2)
- Demonstrate technical proficiency in network setup, management, and security protocols. (SLO #3)
- Build, monitor, and configure secure networks in on-premise and cloud environments. (SLO #4).
- Assess cybersecurity risks and implement strategies to mitigate them (SLO #5)
- Identify professional and ethical practices, including a respect for diversity and demonstrate skills in leadership and team-building (SLO #6)

Delete BUSG 224 or TECH 104 from Required Courses in Major

Add CITS 100 or CITS 101 to Required Courses in Major

Delete CMST 130 or CMST 132 from Required Courses in Major  
(Humanities recommendation)

Delete CNET 287 from Required Courses in Major

Delete 6 Hours of Approved Electives Category

(Move CMIN 203 [CITS 131 agenda item o], CMIN 204 [CITS 111 agenda item p], and CMIN 246 [CNCY 153 agenda item aa] from Approved Elective Category to Required Courses in Major)

Add CNCY 251 (new course agenda item g) or CNCY 253 (CMIN 248 agenda item bb) to Required Courses in Major

Delete MATH 120, MATH 128, and MATH 133 from General Education Requirement (only MATH 130 remains)

Program hours do not change

Motion to accept item [**Motion: Jennifer Bennett; Second: Alexander McMillen; Carried, Unanimously**].



