



June 20, 2023

M E M O R A N D U M

TO: Jim Murdaugh, Ph.D.
President

FROM: Calandra Stringer, Ph.D.
Vice President and Provost

SUBJECT: Academic Curriculum Changes

Item Description

This item presents new program and course proposals and revisions.

Overview and Background

The Academic Planning Committee members review and make recommendations for Board approval for new and revised curricula. The committee works to ensure that TCC is offering high quality programs that enables students to grow, succeed and stay globally competitive.

After a review of the statewide occupation demand list, the College is proposing 32 new A.S. programs and courses to meet the workforce needs in high demand, high wage jobs. Twenty of the new programs are in the STEM discipline and will align with the new STEM Charter High School. Also, some of the programs will lead to future Bachelor of Applied Science (BAS) degrees to provide several pathways for students and the community. The proposed new programs align with TCC's strategic priority to provide demand driven programs to meet the needs of area employers.

Additionally, the College is also proposing several program changes and course revisions. These changes are proposed based on modifying curriculum based on advisory board suggestions.

Funding/ Financial Implications

None

Past Actions by the Board

The Board approved curriculum changes each year.

Recommended Action

Approve the proposed curriculum changes.

NEW PROGRAMS

* denotes a new course

Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 2 (600 clock hours)

Our previous program was a 1,350-clock-hour training program that took two years to complete. This program is the second half of the new option that allows students to continue to build upon the certifications and skills after completing the Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 1 program, approved in Fall 2022. HVAC is projected to grow by 9.3% between 2022-2030, with a median hourly wage of \$22.56.

Program courses:

| | |
|---------|---|
| ACR0013 | HVAC/R Intermediate Service Practices (250) |
| ACR0044 | HVAC/R Advanced Service Practices (350) |

The following new A.S. and A.A.S. programs that align with the new STEM Charter High School, future Bachelor of Applied Sciences (BAS) degrees, and career academies in high schools provide several benefits for students and the community.

Accounting Technology, A.S. (60 credits)

The field of accounting and bookkeeping is projected to grow by 1.8% between 2022-2030, with a median hourly wage of \$18.54.

Program courses:

| | |
|----------|--------------------------------------|
| ACG2001* | Principles of Accounting I (3) |
| ACG2011* | Principles of Accounting II (3) |
| ACG2021 | Financial Accounting (3) |
| ACG2071 | Managerial Accounting (3) |
| CGS1060 | Computer and Internet Literacy (3) |
| GEB1011 | Introduction to Business (3) |
| ACG2450 | Computer Accounting (3) |
| MAN2021 | Introduction to Management (3) |
| ECO2013 | Principles of Economics: Macro (3) |
| TAX2000 | Income Tax Accounting (3) |
| FIN1100 | Personal Finance (3) |
| MNA2130 | Business Communication (3) |
| BUL2241 | Legal Concepts of Business (3) |
| CGS1510* | Excel Data Analysis (3) |
| MAR2011 | Principles of Marketing (3) |
| MNA1161 | Introduction to Customer Service (3) |
| ISM2200 | Applied Business Analytics (3) |

Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. (64 credits) **STEM**

The HVAC field is projected to grow by 9.3% between 2022-2030, with a median hourly wage of \$22.56.

Program courses:

| | |
|----------|---|
| ACR1008* | Principles of A/C and Refrigeration (3) |
| ACR1101* | Applied Electricity I (Air Conditioning) (3) |
| ACR1112* | Basic Electricity for A/C and Refrigeration (3) |
| ACR1103* | HVAC Control Systems (3) |
| ACR1113* | Applied Electricity II (Air Conditioning) (3) |
| ACR1208* | Refrigerant Recovery and Reclaim (1) |
| ACR1611* | Heat (3) |
| ACR1612* | Heat Pump Systems (3) |
| ACR1740* | Components of Refrigeration (3) |
| ACR2067* | Heating and Cooling Load Calculations (3) |
| ACR2071* | Air Conditioning and Heating Service Management (3) |
| ACR2421* | Duct Systems (Air Conditioning and Heating) (3) |
| ACR2745* | Light Commercial Refrigeration and A/C (3) |
| ETM1111* | Energy in Building Design (3) |
| ACR1730* | R-410A Certification (1) |
| ACR1760* | Alternative Energy Applied to HVAC (4) |
| ACR1946* | Refrigeration and A/C Cooperative Work Experience (4) |

Animation & Game Art, A.S. (60 credits) **STEM**

The Animation & Game Art field is projected to grow by 5.3% between 2022-2030, with a median hourly wage of \$29.93.

Program courses:

| | |
|--------------------------|--|
| DIG1111* | Digital Character Design (3) |
| DIG1132* | Digital Art and Design (3) |
| DIG1302* | 3D Modeling (3) |
| DIG1430* | Storyboarding (3) |
| DIG1437* | Narrative Storyboarding (3) |
| DIG2113* | Post Production & Editing (3) |
| DIG2304* | Character Animation (3) |
| DIG2318* or CAP2048* | Animation Studio 1 (4) or Game Development Project I (4) |
| DIG2319* or CAP2920C* | Animation Studio 2 (4) or Game Development Project II (4) |
| DIG2370* | Character Modeling & Rigging (4) |
| DIG2391C* | Animation Studio 3 (4) |
| DIG2396C* | Motion Capture (4) |

Applied Artificial Intelligence, A.S. (60 credits) STEM

The Applied Artificial Intelligence field is projected to grow by 5.3% between 2022-2030, with a median hourly wage of \$48.41.

Program courses:

| | |
|-----------|--|
| CAI1603C* | Artificial Intelligence (AI) Thinking (3) |
| CAI2651C* | Machine Learning Foundations (3) |
| CAP2652C* | Introduction to Natural Language Processing (3) |
| COP1047C* | Introduction to Python Programming (4) |
| CAP2450C* | Introduction to Computer Vision (4) |
| COP2800 | Introduction to Java Programming (3) |
| PHI2680* | Artificial Intelligence and Ethics (3) |
| CAI2921C* | Artificial Intelligence Applications Solutions (4) |
| CAP1788* | Introduction to Data Analytics (4) |
| CAP2761C* | SQL for Data Analytics (4) |
| CGS1540C* | Database Concepts and Design (4) |
| CTS1120* | Cybersecurity Fundamentals (3) |
| GEB1432* | Applied Artificial Intelligence (AI) in Business (3) |

Aquaculture Management, A.S. (60 credits) STEM

The Aquaculture Management field is projected to grow by .8% between 2022-2030, with a median hourly wage of \$36.30.

Program courses:

| | |
|-----------|---|
| CHM1045L | General Chemistry Laboratory I (1) |
| ESC1000 | Earth and Its Environment (3) |
| ESC1000L | Earth and Its Environment Lab (1) |
| EVR1001 | Introduction to Environmental Sciences (3) |
| FAS1012C* | Aquaculture Organisms (3) |
| ZOO1450* | Ichthyology (3) |
| ZOO1450L* | Ichthyology Laboratory (1) |
| FAS1401L* | Aquacultural Laboratory Techniques (3) |
| FAS2263C* | Aquacultural Reproductive Techniques (3) |
| FAS2941L* | Aquacultural Field Experience I (3) |
| FAS2240C* | Aquacultural Nutritional Techniques (3) |
| FAS2253* | Aquacultural Disease Processes (3) |
| FAS2253L* | Aquacultural Disease Processes Laboratory (1) |
| FAS2942L* | Aquacultural Field Experience II (3) |
| FAS1404C* | Aquacultural Field Techniques (3) |
| FAS2353C* | Aquacultural Management Practices (3) |
| FAS2943L* | Aquacultural Field Experience III (3) |
| Elective | Any college course (2) |

Business Analysis Specialist, A.S. (60 credits)

The Business Analysis Specialist is projected to grow by 14.8% between 2022-2030, with a median hourly wage of \$37.26.

Program courses:

| | |
|-----------|---|
| CAP1788 | Introduction to Data Analytics (4) |
| CGS1060 | Computer and Internet Literacy (3) |
| CGS2540 | Database Concepts (3) |
| COP1047C* | Introduction to Python Programming (4) |
| CTS1437* | Microsoft SQL Administration (4) |
| CTS2433* | SQL Database Design & Programming (3) |
| CTS2540* | Business Intelligence: Analysis Services and Data Mining (4) |
| CTS2451* | Business Intelligence: Reporting Services (4) |
| STA2023 | Introductory Statistics (3) |
| Electives | ACG, CAP, CGS, CIS, CNT, COP, CTS, FIN, GEB, MAD, MAN, QMB (13) |

Business Entrepreneurship, A.S. (60 credits)

Business Entrepreneurship is projected to grow by 8.3% between 2022-2030, with a median hourly wage of \$35.96.

Program courses:

| | |
|----------|--|
| ACG2021 | Financial Accounting (3) |
| ACG2071 | Managerial Accounting (3) |
| GEB1011 | Introduction to Business (3) |
| ECO2013 | Principles of Economics: Macro (3) |
| GEB2941* | Business Capstone (3) |
| ENT1000* | Fundamentals of Entrepreneurship (3) |
| MNA2130 | Business Communication (3) |
| BUL2241 | Legal Concepts of Business (3) |
| BUL2242 | The Law of Business (3) |
| MAR2011 | Principles of Marketing (3) |
| ENT2010* | New Venture Management (3) |
| ENT2112* | Planning the Entrepreneurial Venture (3) |
| MNA2100* | Human Relations in Business (3) |
| MNA2345* | Principles of Supervision (3) |
| MKA2021* | Principles of Selling (3) |

Civil Engineering Technology, A.S. (60 credits) **STEM**

The Civil Engineering Technology field is projected to grow by 12.9% between 2022-2030, with a median hourly wage of \$23.30.

Program courses:

| | |
|-----------|------------------------------------|
| COP1000 | Programming Concepts (3) |
| EET1035C* | Fundamentals of AC/DC Circuits (3) |
| ETD1320 | Introduction to CAD (3) |

| | |
|-----------|--|
| ETI1110 | Quality Assurance (3) |
| ETI1420C | Manufacturing Processes and Materials (3) |
| ETI1701 | Industrial Safety (3) |
| ETS1511C | Motors and Controls (3) |
| ETM1010C | Mechanical Measurement and Instrumentation (3) |
| ETM2315C | Hydraulics and Pneumatics (3) |
| EGN1111C | Engineering Graphics (3) |
| ETS1535C* | Automation and Sensors (3) |
| ETS1542C* | Programmable Logic Controllers (PLCs) (3) |
| ETS2604* | Robotics Applications (3) |
| MTB1329* | Applied Mathematical Concepts for Engineering Technology (3) |

Computer Related Crime Investigations, A.S. (60 credits) STEM

The Computer Related Crime Investigations field is projected to grow by 11.6% between 2022-2030, with a median hourly wage of \$24.21.

Program courses:

| | |
|-----------|---|
| CCJ1020 | The Criminal Justice System (3) |
| CET2880C* | Digital Forensics (4) |
| CGS1700* | Introduction to Operating Systems (4) |
| CJL2062* | Constitutional Law & Legal Procedures (3) |
| CTS1120* | Cybersecurity Fundamentals (3) |
| CNT2401 | Introduction to Network Security (3) |
| CET2369C* | Embedded Hardware Programming (4) |
| DSC2501* | Writing & Reporting for the IC (3) |
| CIS2900* | Directed Information Technology Study (3) |
| DSC1006* | Introduction to Homeland Security (3) |
| DSC2590* | Intelligence Analysis & Security Management (3) |
| CJE1680* | Introduction to Computer Crimes (3) |
| CGS1060 | Computer and Internet Literacy (3) |
| CGS2540 | Database Concepts (3) |

Computer Information Technology, A.S. (60 credits) STEM

The Computer Information field is projected to grow by 11.6% between 2022-2030, with a median hourly wage of \$38.81.

Program courses:

| | |
|-----------|--|
| SPC2608 | Public Speaking (3) |
| CGS1060 | Computer and Internet Literacy (3) |
| CTS1133C* | A+ Comprehensive (4) |
| CTS1134* | Networking Technologies (4) |
| COP1700C* | Introduction to Database and MYSQL (3) |
| CIS1513C* | Project Management (4) |
| COP1000 | Programming Concepts (3) |

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|-----------|-------------------------------------|
| CTS1111C* | Linux+ (4) |
| CTS2375C* | Cloud + (3) |
| CTS2120C* | Security + (4) |
| CTS2376C* | Microsoft Identity and Services (3) |
| CTS2366C* | Microsoft Mobility and Security (4) |
| Elective | Any CTS, COP, CIS, CET or ISM (3) |

Construction Management Technology, A.S. (60 credits) STEM

The Construction Management field is projected to grow by 13.1% between 2022-2030, with a median hourly wage of \$45.44.

Program courses:

| | |
|-----------|--|
| BCN1004* | Construction Field Technology (3) |
| BCN 2230 | Construction Materials and Methods (3) |
| BCN1221C* | Construction Techniques 1 (4) |
| BCN1251C* | Light Construction Drafting (3) |
| BCN 2704 | Construction Contracts, Codes, Laws and Safety (3) |
| BCN2222C* | Construction Techniques 2 (4) |
| BCN2272* | Blueprint Reading (3) |
| BCN2560* | Related Specialty Trades (3) |
| BCN2939C* | Construction Capstone (4) |
| BCT2705 | Construction Management (3) |
| BCT2750 * | Construction Management 2 (3) |
| BCT2770 | Construction Estimating 1 (3) |
| SUR2001C* | Construction Surveying (3) |
| SPC2608 | Public Speaking (3) |

Crime Scene Technology, A.S. (60 credits) STEM

The Crime Scene Technology field is projected to grow by 11.6% between 2022-2030, with a median hourly wage of \$24.21.

Program courses:

| | |
|-----------|---|
| CCJ1020 | The Criminal Justice System (3) |
| CHS1522C* | Forensic Science 1 (3) |
| CJE1640* | Crime Scene Technology 1 (3) |
| CJE1673* | Crime Scene Photography 1 (3) |
| CJE2600 | Criminal Investigation (3) |
| CJE2671* | Basic Fingerprinting (3) |
| CCJ1191* | Human Behavior in Criminal Justice (3) |
| CCJ2503* | Criminal Justice Ethics and Professionalism (3) |
| CCJ2358* | Criminal Justice Reporting (3) |
| CJE1642* | Crime Scene Technology 2 (3) |
| CJE1772* | Crime Scene Photography 2 (3) |
| CJE2644* | Crime Scene Safety (3) |
| CJE2672* | Fingerprint Development (3) |

| | |
|----------|-------------------------------|
| CJL2610* | Courtroom Presentation (3) |
| CJE2640 | Crime Scene Investigation (3) |

Cybersecurity Operations, A.S. (60 credits) **STEM**

The Cybersecurity Operations field is projected to grow by 10.7% between 2022-2030, with a median hourly wage of \$37.30.

Program courses:

| | |
|----------|--|
| CGS1000 | Introduction to Computer Technology (3) |
| COP1000 | Programming Concepts (3) |
| CTS 2321 | Introduction to Linux (3) |
| CTS1305* | Introduction to Networking (3) |
| CNT2401 | Introduction to Network Security (3) |
| CGS1820 | Web Page Authoring (3) |
| CTS2381 | Computer Hacker Forensic Investigator (3) |
| CET1610 | Switching, Routing and Wireless Essentials (3) |
| CIS2772* | Cybersecurity Operations Fundamentals (3) |
| CTS2301* | Linux Administration (3) |
| CET1600* | Introduction to Networks (3) |
| CTS1303* | Enterprise Operating Systems I (3) |
| CIS2621* | Cybersecurity Operations Implementations (3) |
| CGS2091* | Information Technology: Ethical and Legal Issues (3) |
| CIS2598* | Cybersecurity Capstone (3) |

Data Science Technology, A.S. (60 credits) **STEM**

The Data Science Technology field is projected to grow by 39.4% between 2022-2030, with a median hourly wage of \$37.95.

Program courses:

| | |
|----------|--|
| MAC1140 | Precalculus Algebra (3) |
| STA2023 | Introductory Statistics (3) |
| CGS1309* | Computer and Information Technology Concepts (3) |
| CGS1100* | Computer Applications (3) |
| COP1000 | Programming Concepts (3) |
| CGS1515* | Spreadsheet Techniques and Programming (3) |
| CTS2417* | Data Visualization Techniques (3) |
| CTS2433* | SQL Database Design & Programming (3) |
| COP1044* | Introduction to Data Science using Python (3) |
| STA2041* | Data Analysis & Statistical Modeling (3) |
| CTS2450* | Introduction to Business Intelligence (3) |
| CTS2455* | Data Modeling and Logical Design (3) |
| CAP2762* | Introduction to Data Mining (3) |
| CAP2940* | Data Science Internship (3) |
| PHI2600 | Ethics (3) |

Electronics Engineering Technology, A.S. (68 credits) **STEM**

The Electronics Engineering Technology field is projected to grow by 11.3% between 2022-2030, with a median hourly wage of \$28.95.

Program courses:

| | |
|-----------|-------------------------------------|
| MAC1114 | Precalculus Trigonometry (3) |
| CET1110C* | Digital Circuits (4) |
| CET2113C* | Advanced Digital Circuits (4) |
| CET2123C* | Microprocessors (3) |
| COP2270* | "C" for Engineers (4) |
| EET1015C* | Direct Current Circuits (4) |
| EET1025C* | Alternating Current Circuits (4) |
| EET1141C* | Electronics I (4) |
| EET2101C* | Electronics II (4) |
| ETI2670* | Engineering Economic Analysis (4) |
| ETS2673C* | Programmable Logic Controls (4) |
| EET2323C* | Analog Communications (4) |
| EET2351C* | Digital and Data Communications (4) |
| EET1082* | Introduction to Electronics (3) |

Film Production Technology, A.S. (64 credits)

The Film Production Technology field is projected to grow by 25.7% between 2022-2030, with a median hourly wage of \$23.33.

Program courses:

| | |
|-----------|---|
| FIL1031 | History of Film I |
| FIL1110* | Screenwriting 1: Introduction to Story Structure (3) |
| FIL1420C* | Film Production 1: Introduction to the Filmmaking Process (4) |
| FIL1431C* | Film Production 2: Cinematography and Sound (4) |
| FIL2131* | Screenwriting 2: Character Development & Advanced Story Structure (3) |
| FIL2480C* | Film Production 3: Directing (4) |
| FIL2515C* | Film Production 4: Producing the Short Film (4) |
| FIL2552C* | Editing 1: Introduction to Editing (3) |
| FIL2553C* | Editing 2: Intermediate Editing and Visual Effects (3) |
| FIL2560C* | Editing 3: Advanced Editing: Color Correction and Finishing (3) |
| FIL2611* | Film Business, Marketing, Distribution & Exhibition (3) |
| RTV1240C* | Sound Design (3) |
| VIC1000* | Visual Communications (3) |
| FIL2413* | Screenwriting 3 (3) |
| FIL1060* | Survey of Documentary Film (3) |

Financial Services, A.S. (60 credits)

The Financial Services field is projected to grow by 18.2% between 2022-2030, with a median hourly wage of \$60.46.

Program courses:

| | |
|----------|---|
| ACG2021 | Financial Accounting (3) |
| BRC2001* | Introduction to Financial Institutions (3) |
| REE2200* | Real Estate Finance (3) |
| BUL2241 | Legal Concepts of Business (3) |
| ECO2013 | Principles of Economics: Macro (3) |
| FIN1100 | Personal Finance (3) |
| FIN1122* | Fundamentals of Financial Planning (3) |
| FIN2001* | Principles of Finance (3) |
| MAR2011 | Principles of Marketing (3) |
| MKA2021* | Principles of Selling (3) |
| MNA1100* | Interpersonal Behavior in Organizations (3) |
| RMI1002* | Principles of Insurance (3) |
| MNA2130 | Business Communication (3) |
| CGS2100 | Microcomputer Applications for Business (3) |
| PHI2600 | Ethics (3) |

Financial Services – Banking Specialization, A.S. (60 credits)

The Financial Services field is projected to grow by 18.2% between 2022-2030, with a median hourly wage of \$60.46.

Program courses:

| | |
|----------|--|
| ECO2013 | Principles of Economics: Macro (3) |
| STA2023 | Introductory Statistics (3) |
| ACG2021 | Financial Accounting (3) |
| ACG2071 | Managerial Accounting (3) |
| BAN1004* | Banking Fundamentals, Evolution and Compliance (3) |
| BAN2210* | Analyzing Financial Statements (3) |
| BAN2511* | Marketing for Financial Services (3) |
| ENC2210 | Technical Writing (3) |
| MKA2022* | Relationship Selling and Sales Strategies (3) |
| ACG1403* | Excel for Business (3) |
| BAN1231* | Commercial Lending (3) |
| BAN1240* | Essentials for Retail Lending (3) |
| BAN2211* | Applied Financial Statement Analysis (3) |
| REE2304* | Commercial Real Estate (3) |
| SPC2608 | Public Speaking (3) |

Game Development Design, A.S. (60 credits) **STEM**

The Game Development Design field is projected to grow by 5.3% between 2022-2030, with a median hourly wage of \$29.93.

Program courses:

| | |
|-----------|---------------------------------------|
| CGS1060 | Computer and Internet Literacy (3) |
| COP2220 | Introduction to C++ Programming (3) |
| COP2221 | Intermediate Programming with C++ (3) |
| CAP2047* | User Interface Design (4) |
| CAP2048* | Game Development Project I (4) |
| CAP2920C* | Game Development Project II (4) |
| DIG1430* | Storyboarding (4) |
| DIG1705* | 3D Programming (4) |
| DIG1710* | Introduction to Game Development (4) |
| DIG1712* | Level Building & Design (4) |
| DIG2626* | Artificial Intelligence (4) |
| DIG2717C* | Game System Design (4) |

Industrial Management Technology, A.S. (60 credits)

The Industrial Management Technology field is projected to grow by 10.9% between 2022-2030, with a median hourly wage of \$37.82.

Program courses:

| | |
|----------|---|
| BCN2732* | OSHA Safety (3) |
| CGS2100 | Microcomputer Applications for Business (3) |
| ENC2210 | Technical Communications (3) |
| FIN2000* | Principles of Finance (3) |
| GEB1011 | Introduction to Business (3) |
| MAN2021 | Introduction to Management (3) |
| MAN2125* | Supervision and Performance Improvement (3) |
| ACG2021 | Financial Accounting (3) |
| BUL2241 | Legal Concepts of Business (3) |
| MAN2043* | Quality Management (3) |
| ECO2013 | Principles of Economics: Macro (3) |
| OST1355 | Records Management (3) |
| MNA1161 | Introduction to Customer Service (3) |
| STA2023 | Introductory Statistics (3) |
| MAN2582* | Introduction to Project Management (3) |

IT Security, A.S. (60 credits) **STEM**

The Information Technology Security Analyst field is projected to grow by 33.1% between 2022-2030, with a median hourly wage of \$48.41.

Program courses:

| | |
|-----------|-----------------------------------|
| CET2661C* | Computer and Network Security (3) |
| CET2883C* | Network Security Advanced (3) |

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|------------|--|
| CGS1820 | Web Page Authoring (3) |
| CGS2540 | Database Management Systems (3) |
| CIS1254* | Professional Development for IT (3) |
| CIS2352 | Ethical Hacking (3) |
| CIS2619* | Design Software (3) |
| COP2002* | Programming Logic (3) |
| CTS1120* | Fundamentals of Information Security (3) |
| CNT2401 | Introduction to Network Security (3) |
| CTS2142* | IT Project Management (3) |
| CTS2123 | Network Defense and Countermeasures (3) |
| CTS2318* | Information Security Risk Management (3) |
| CET1600 | Introduction to Networks (3) |
| CGS1060 or | Computer and Internet Literacy or (3) |
| CGS1000 | Introduction to Computer Technology (3) |

Marine Engineering Management and Seamanship, A.S. (66 credits) STEM

The Marine Engineering Management and Seamanship field is projected to grow by 7.8% between 2022-2030, with a median hourly wage of \$23.97.

Program courses:

| | |
|-----------|---|
| MTE1004C* | Introduction to Marine Technology (3) |
| MTE1400C* | Marine Electricity (3) |
| MTE2420C* | Advanced Electrical Systems (3) |
| MTE2490C* | Marine Electronics (3) |
| MTE1040C* | Marine Diesel Engines I (3) |
| MTE2041C* | Diesel Engines II (3) |
| MTE1073C* | Gasoline Engine Diagnostics and Repair (3) |
| MTE2234C* | Marine Transmission Systems (3) |
| MTE2541C* | Marine Auxiliary Equipment (3) |
| MTE1543C* | Marine Air Conditioning Systems (3) |
| MTE1062C* | Marine Corrosion & Prevention (3) |
| MTE1312C* | Advanced marine Composites, Painting & Refinish (3) |
| MTE1651C* | Basic Marine Welding (3) |
| MTE2949* | Marine Internship (3) |
| CGS1060 | Computer and Internet Literacy (3) |
| Elective | Any college credit course (6) |

Medical Assisting Advanced, A.S. (65 credits) STEM

The Medical Assisting Advanced field is projected to grow by 18.7% between 2022-2030, with a median hourly wage of \$17.65.

Program courses:

| | |
|-----------|---------------------------|
| HSC2531 | Medical Terminology (3) |
| MEA1206C* | Clinical Procedures I (4) |

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|-----------|-------------------------------|
| MEA1265C* | Laboratory Procedures I (4) |
| MEA1303* | Medical Office Management (5) |
| MEA1010C* | Principles of Radiology I (2) |
| MEA1207C* | Clinical Procedures II (4) |
| MEA1266C* | Laboratory Procedures II (4) |
| MEA1930* | Special Topics I (1) |
| MEA2030C* | Pharmacology (3) |
| HIM1260* | Health Insurance Billing (3) |
| MEA2809* | Practicum Experience (5) |
| MEA2021* | Disease Processes (4) |
| MEA2020* | Pathophysiology (5) |
| SPC2608 | Public Speaking (3) |

Medical Office Administration, A.S.

The Medical Office Administration field is projected to grow by 3.9% between 2022-2030, with a median hourly wage of \$28.90.

Program courses:

| | |
|-----------|---|
| CGS1060 | Computer and Internet Literacy (3) |
| OST1100C* | Keyboarding & Document Processing I (3) |
| MNA2130 | Business Communication (3) |
| CTS1220C | Microsoft Specialist: Word (3) |
| HSC2531 | Medical Terminology (3) |
| APA1111C* | Introduction to Accounting (3) |
| OST2853C* | Spreadsheet Management (3) |
| OST2501* | Office Management (3) |
| OST2464C* | Medical Office Computer Application (3) |
| OST1355 | Records Management (3) |
| OST2455C* | Medical Billing and Coding (3) |
| HIM1260* | Reimbursement Methodology (3) |
| OST2949* | Co Op Work Experience (3) |
| GEB1011 | Introduction to Business (3) |
| SPC2608 | Public Speaking (3) |

Music and Sound Production Technology, A.S. (64 credits)

The Music and Sound Production Technology field is projected to grow by 19.9% between 2022-2030, with a median hourly wage of \$22.47.

Program courses:

| | |
|-----------|---|
| MUM1002C* | Fundamentals of Sound (3) |
| MUT1011C* | Introduction to Music Theory (4) |
| EET1214C* | Introduction to Engineering Technology (3) |
| MUM1620L* | Psychoacoustics & Critical Listening Skills (1) |
| MUM1648L* | Foley and Sound Design (1) |

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|-----------|---|
| EET1035C* | Fundamentals of DC and AC Circuits (6) |
| MUM1646C* | Dialogue Editing and Voice Processing (3) |
| CET2123C* | Microprocessors (4) |
| CET2114C* | Digital Systems (3) |
| MUM2634L* | Digital Audio Workstation (1) |
| MUM2661C* | Sound Recording I (3) |
| MUM2601L* | Sound Recording Lab I (1) |
| MUM2623C* | Midi Electronic Music I (3) |
| MUM2666C* | Sound Recording II (3) |
| MUM2602L* | Sound Recording Lab II (1) |
| MUM2678L* | Mixing Techniques (1) |
| MUM2640C* | Sound Postproduction Capstone (3) |
| EET1141C* | Electronics I (4) |
| MUM2790L* | Music Production Capstone (1) |

Physical Therapist Assistant, A.S. (74 credits) STEM

The Physical Therapist Assistant field is projected to grow by 27.1% between 2022-2030, with a median hourly wage of \$29.94.

Program courses:

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|-----------|--|
| BSC2085L | Anatomy and Physiology I Lab (1) |
| BSC2086 | Anatomy and Physiology II (3) |
| BSC2086L | Anatomy and Physiology II Lab (1) |
| PHY1004* | Physics with Applications (3) |
| PHY1004L* | Physics with Applications Lab (1) |
| HSC2531 | Medical Terminology (3) |
| PHT1102C* | Anatomy for the Physical Therapist Assistant (4) |
| PHT1201* | Introduction to Physical Therapy (2) |
| PHT1201L* | Introduction to Physical Therapy Lab (1) |
| PHT1211* | Disabilities & Therapeutic Procedures I (2) |
| PHT1211L* | Disabilities & Therapeutic Procedures I Lab (2) |
| PHT2120* | Applied Kinesiology (2) |
| PHT2120L* | Applied Kinesiology Lab (1) |
| PHT2224* | Disabilities and Therapeutic Procedures II (3) |
| PHT2224L* | Disabilities and Therapeutic Procedures II Lab (2) |
| PHT2801C* | Clinical Practice & Conference I (2) |
| PHT2162* | Survey of Neurological Deficits (3) |
| PHT2701* | Rehabilitation Procedures (3) |
| PHT2701L* | Rehabilitation Procedures Lab (2) |
| PHT2810* | Clinical Practice & Conference II (7) |
| PHT2820* | Clinical Practice & Conference III (7) |
| PHT2931* | Physical Therapist Assistant Seminar (3) |
| Elective | Any college credit elective (1) |

Radiation Therapy, A.S. (77 credits) **STEM**

The Radiation Therapy field is projected to grow by 12% between 2022-2030, with a median hourly wage of \$37.32.

Program courses:

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|-----------|---|
| BSC2085L | Anatomy and Physiology I Lab (1) |
| BSC2086 | Anatomy and Physiology II (3) |
| BSC2086L | Anatomy and Physiology II Lab (1) |
| CHM1032 | General Chemistry for Allied Health (3) |
| SPC2608 | Public Speaking (3) |
| RAT1614* | Introduction to Radiation Therapy Physics (2) |
| RAT1210* | Radiation Therapy Anatomy (1) |
| RAT1123* | Patient Care (1) |
| RAT1123L* | Patient Care Lab (1) |
| RAT1615* | Radiation Therapy Medical Imaging (1) |
| RAT1212* | Radiation Therapy Imaging Anatomy (2) |
| RAT1001* | Introduction to Radiation Therapy (3) |
| RAT1002* | Introduction to Radiation Therapy Clinical Applications (3) |
| RAT1002L* | Introduction to Radiation Therapy Clinical Applications Lab (1) |
| RAT1804* | Clinic Education Clinical I (1) |
| RAT2021* | Principles of Radiation Therapy I (3) |
| RAT2617* | Advanced Radiation Physics I (3) |
| RAT2023* | Oncology I (4) |
| RAT2243* | Radiation Oncology Sectional Anatomy (3) |
| RAT2814* | Clinic Education II (3) |
| RAT2022* | Principles of Radiation Therapy II (3) |
| RAT2024* | Oncology II (4) |
| RAT2618* | Advanced Physics II (2) |
| RAT2241* | Radiobiology (3) |
| RAT2824* | Clinic Education III (3) |
| RAT2061* | Radiation Therapy Seminar (2) |
| RAT2619* | Dosimetry and Computer Treatment (1) |
| RAT2834* | Clinic Education IV (1) |

Residential Property Management, A.S. (60 credits)

The Residential Property Management field is projected to grow by 8.7% between 2022-2030, with a median hourly wage of \$28.12.

Program courses:

| | |
|----------|--|
| REE1500* | Introduction to Property Management (3) |
| GEB1011 | Introduction to Business (3) |
| MNA2130 | Business Communication (3) |
| MKA2021* | Principles of Selling (3) |
| REE2502* | Leasing and Marketing Residential Properties (3) |
| REE2430* | Property Management Law (3) |

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|----------|---|
| ACG2021 | Financial Accounting (3) |
| CGS2100 | Microcomputer Applications for Business (3) |
| REE2507* | Property Management: Security and Risk (3) |
| REE2505* | Property Management: Maintenance for Managers (3) |
| REE2503* | Property Management: Budgeting & Financials (3) |
| REE1400* | Florida Real Estate Law (3) |
| REE2506* | Property Management and Leadership (3) |
| REE2951* | Property Management Capstone (3) |
| REE1000* | Real Estate Principles and Practice (3) |

Supply Chain Management, A.S. (60 credits)

The Supply Chain Management field is projected to grow by 11.6% between 2022-2030, with a median hourly wage of \$23.73.

Program courses:

| | |
|----------|--|
| ACG2021 | Financial Accounting (3) |
| ACG2071 | Managerial Accounting (3) |
| BUL2241 | Legal Concepts of Business (3) |
| CGS2100 | Microcomputer Applications for Business (3) |
| CGS2540 | Database Concepts (3) |
| COP2700* | Introduction to Database (3) |
| ECO2013 | Principles of Economics: Macro (3) |
| GEB1011 | Introduction to Business (3) |
| MAN2021 | Principles of Management (3) |
| MAN2542* | Supply Chain Modeling (3) |
| MAR2011 | Principles of Marketing (3) |
| PHI2600 | Ethics (3) |
| TRA2010* | Introduction to Transportation and Logistics (3) |
| TRA2154* | Supply Chain Management (3) |
| TRA2098* | Warehouse Management (3) |

Surgical First Assisting, A.S. (74 credits) **STEM**

The Surgical First Assisting field is projected to grow by 11.6% between 2022-2030, with a median hourly wage of \$22.60.

Program courses:

| | |
|----------|---|
| BSC2085L | Anatomy and Physiology I Lab (1) |
| BSC2086 | Anatomy and Physiology II (3) |
| BSC2086L | Anatomy and Physiology II Lab (1) |
| HSC2531 | Medical Terminology (3) |
| HSC1000 | Orientation to Perioperative Services (3) |
| HSC1000L | Orientation to Perioperative Services Lab (1) |
| HSC2520 | Microbiology for Perioperative Services (3) |
| STS2361 | The Art of Teamwork in Surgery (1) |
| STS2365 | Professional Skills for the O.R. Team (1) |

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|-----------|---|
| STS1310 | Surgical Techniques and Procedures (4) |
| STS1310L | Surgical Techniques and Procedures Lab and Clinical (2) |
| STS1340 | Pharmacology and Anesthesia (2) |
| STS1940C | Intro to Surgery Clinical (2) |
| STS2323 | Surgical Procedures I (4) |
| STS2323L | Surgical Procedures I Simulation Lab (2) |
| STS2324 | Surgical Procedures II (4) |
| STS2324L | Surgical Procedures II Simulation Lab (2) |
| STS2944 | Surgical Technologist Clinical I (3) |
| STS2945 | Surgical Technologist Clinical II (3) |
| STS2953 | Surgical Technologist Portfolio I (1) |
| STS2954 | Surgical Technologist Portfolio II (2) |
| STS2936* | Surgical Certification Symposium (1) |
| STS2330C* | Principles of Surgical Assisting (2) |
| STS2335* | Advanced Integrated Surgical Sciences (2) |
| STS2336* | Advanced Surgical Procedures for the Surgical Assistant (2) |
| STS2370* | Surgical Assisting Clinical I (2) |
| STS2366C* | Professional Skills for the Surgical Assistant (2) |

Transportation and Logistics, A.S. (64 credits)

The Transportation and Logistics field is projected to grow by 11.6% between 2022-2030, with a median hourly wage of \$45.62.

Program courses:

| | |
|----------|--|
| ACG2021 | Financial Accounting (3) |
| ACG2071 | Managerial Accounting (3) |
| BUL2241 | Legal Concepts of Business (3) |
| CGS2100 | Microcomputer Applications for Business (3) |
| ECO2013 | Principles of Economics: Macro (3) |
| GEB1011 | Introduction to Business (3) |
| MAN2021 | Principles of Management (3) |
| MAN2043* | Quality Management Control (3) |
| MAN2125* | Supervision and Performance Improvement (3) |
| MAN2216* | Inventory Management (3) |
| TRA2010* | Introduction to Transportation and Logistics (3) |
| TRA2131* | Purchasing (3) |
| TRA2098* | Warehouse Management (3) |
| TRA2154* | Supply Chain Management (3) |
| TRA2152* | Operations Management (3) |
| TRA2142* | Regulatory Compliance for Logistics Managers (3) |
| TRA2943* | Transportation and Logistics Internship (1) |

Unmanned Vehicle Systems Operation, A.S. (62 credits) STEM

The Unmanned Vehicle Systems field is projected to grow by 22.9% between 2022-2030, with a median hourly wage of \$37.40.

Program courses:

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|-----------|--|
| ASC1210* | Aviation Meteorology (3) |
| ASC1560 | Introduction to Unmanned Aerial Systems (UAS) (3) |
| ASC1563 | Unmanned Aerial Systems (3) |
| ASC2561* | Advanced Unmanned Vehicle Systems Operations (3) |
| ASC2564* | Unmanned Vehicles Systems Security (3) |
| ASC2949* | Unmanned System Practicum (2) |
| ATT1100* | Pilot Theory (3) |
| AVM2441* | Aviation Safety and Human Factors (3) |
| CGS2100 | Microcomputer Applications for Business (3) |
| EET1084 | Introduction to Electronics (3) |
| EOC1660* | Introduction to Unmanned Maritime Systems (3) |
| ETI1701 | Industrial Safety (3) |
| ETS1511 | Motors and Controls (3) |
| ETS1542C* | Introduction to Programmable Logic (3) |
| GIS2030 * | Fundamentals of Remote Sensing (3) |
| GIS2040* | Introduction to Geographic Information Systems (3) |

PROGRAM CHANGES

Crossover from Correctional Probation Officer to Law Enforcement Officer Career and Technical Certificate (452 clock hours)

Proposed change was recommended by the Criminal Justice Standards and Training Commission.

Delete program course:

CJK0040 Criminal Justice Firearms (80)

Crossover from Correctional Probation Officer to Correctional Officer Career and Technical Certificate (158 clock hours)

Proposed change was recommended by the Criminal Justice Standards and Training Commission.

Delete program course:

CJK0040 Criminal Justice Firearms (80)

Cybersecurity, A.S. (60 credit hours)

Proposed change was recommended by the Cybersecurity advisory board.

Add program course:

CAP2140 Mobile Forensics (3)

Delete program courses:

CJL2130 Criminal Evidence and Procedure (3)

CGS1060 Computer Internet and Literacy (3)

Building Automation Systems, A.S. (60 credit hours)

Proposed changes to align with the advisory board recommendations and industry standards.

Add program courses:

EET1074C Introduction to Electronics (3)

ETM1010C Mechanical, Measurement, Instrumentation (3)

Delete program courses:

ETM1604C BAS Energy Management Concepts (3)

BCN2704 Construction Contracts (3)

NEW COURSES

| Course ID | Course Name | Rationale for New Course | Proposed Lab Fee |
|-----------|---|---|------------------|
| COP2373 | Mobile Forensics | Enhance the Cybersecurity, A.S. | \$100 |
| ACG2001 | Principles of Accounting I | Part of the new Accounting Technology, A.S. | \$0 |
| ACG2011 | Principles of Accounting II | Part of the new Accounting Technology, A.S. | \$0 |
| CGS1510 | Excel Data Analysis | Part of the new Accounting Technology, A.S. | \$0 |
| ACR1008 | Principles of A/C and Refrigeration | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1101 | Applied Electricity I (Air Conditioning) | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1112 | Basic Electricity for A/C and Refrigeration | Part of the new Air Conditioning, Refrigeration, and | \$0 |

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|---------|---|---|-----|
| | | Heating Systems Technology, A.A.S. | |
| ACR1103 | HVAC Control Systems | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1113 | Applied Electricity II (Air Conditioning) | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1208 | Refrigerant Recovery and Reclaim | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1611 | Heat | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1612 | Heat Pump Systems | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1740 | Components of Refrigeration | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR2067 | Heating and Cooling Load Calculations | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR2071 | Air Conditioning and Heating Service Management | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR2421 | Duct Systems (Air Conditioning and Heating) | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR2745 | Light Commercial Refrigeration and A/C | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |

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| ETM1111 | Energy in Building Design | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1730 | R-410A Certification | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1760 | Alternative Energy Applied to HVAC | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| ACR1946 | Refrigeration and A/C Cooperative Work Experience | Part of the new Air Conditioning, Refrigeration, and Heating Systems Technology, A.A.S. | \$0 |
| DIG1111 | Digital Character Design | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG1132 | Digital Art and Design | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG1302 | 3D Modeling | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG1430 | Storyboarding | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG1437 | Narrative Storyboarding | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG2113 | Post Production & Editing | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG2304 | Character Animation | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG2318 | Animation Studio 1 | Part of the new Animation and Game Art, A.S. | \$0 |
| CAP2048 | Game Development Project 1 | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG2319 | Animation Studio 2 | Part of the new Animation and Game Art, A.S. | \$0 |
| CAP2920C | Game Development Project 2 | Part of the new Animation and Game Art, A.S. | \$0 |

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| DIG2370 | Character Modeling & Rigging | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG2391C | Animation Studio 3 | Part of the new Animation and Game Art, A.S. | \$0 |
| DIG2396C | Motion Capture | Part of the new Animation and Game Art, A.S. | \$0 |
| CAI1603C | Artificial Intelligence (AI) Thinking | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CAI2651C | Machine Learning Foundations | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CAP2652C | Introduction to Natural Language Processing | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| COP1047C | Introduction to Python Programming | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CAP2450C | Introduction to Computer Vision | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| PHI2680 | Artificial Intelligence and Ethics | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CAI2921C | Artificial Intelligence Applications Solutions | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CAP1788 | Introduction to Data Analytics | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CAP2761C | SQL for Data Analytics | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CGS1540C | Database Concepts and Design | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| CTS1120 | Cybersecurity Fundamentals | Part of the new Applied Artificial Intelligence, A.S., IT Security, A.S., and Computer Related Crime Investigations, A.S. | \$0 |
| GEB1432 | Applied Artificial Intelligence (AI) in Business | Part of the new Applied Artificial Intelligence, A.S. | \$0 |
| FAS1012C | Aquaculture Organisms | Part of the new Aquaculture Management, A.S. | \$0 |

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| ZOO1450 | Ichthyology | Part of the new Aquaculture Management, A.S. | \$0 |
| ZOO1450L | Ichthyology Laboratory | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS1401L | Aquacultural Laboratory Techniques | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2263C | Aquacultural Reproductive Techniques | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2941L | Aquacultural Field Experience I | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2240C | Aquacultural Nutritional Techniques | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2253 | Aquacultural Disease Processes | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2253L | Aquacultural Disease Processes Laboratory | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2942L | Aquacultural Field Experience II | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS1404C | Aquacultural Field Techniques | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2353C | Aquacultural Management Practices | Part of the new Aquaculture Management, A.S. | \$0 |
| FAS2943L | Aquacultural Field Experience III | Part of the new Aquaculture Management, A.S. | \$0 |
| CAP1788 | Introduction to Data Analytics | Part of the new Business Analysis Specialist, A.S. | \$0 |
| COP1047C | Introduction to Python Programming | Part of the new Business Analysis Specialist, A.S. | \$0 |
| CTS1437 | Microsoft SQL Administration | Part of the new Business Analysis Specialist, A.S. | \$0 |
| CTS2433 | SQL Database Design & Programming | Part of the new Business Analysis Specialist, A.S. and Data Science Technology, A.S. | \$0 |
| CTS2540 | Business Intelligence: Analysis Services and Data Mining | Part of the new Business Analysis Specialist, A.S. | \$0 |

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| CTS2451 | Business Intelligence: Reporting Services | Part of the new Business Analysis Specialist, A.S. | \$0 |
| GEB2941 | Business Capstone | Part of the new Business Entrepreneurship, A.S. | \$0 |
| ENT1000 | Fundamentals of Entrepreneurship | Part of the new Business Entrepreneurship, A.S. | \$0 |
| ENT2010 | New Venture Management | Part of the new Business Entrepreneurship, A.S. | \$0 |
| ENT2112 | Planning the Entrepreneurial Venture | Part of the new Business Entrepreneurship, A.S. | \$0 |
| MNA2100 | Human Relations in Business | Part of the new Business Entrepreneurship, A.S. | \$0 |
| MNA2345 | Principles of Supervision | Part of the new Business Entrepreneurship, A.S. | \$0 |
| MKA2021 | Personal Selling | Part of the new Business Entrepreneurship, A.S., Financial Services, A.S., Financial Services-Banking Specialization, A.S., and Residential Property Management, A.S. | \$0 |
| EET1015C | Direct Current Circuits | Part of the new Civil Engineering Technology, A.S. and Electronics Engineering Technology, A.S. | \$0 |
| EET1035C | Fundamentals of AC/DC Circuits | Part of the new Civil Engineering Technology, A.S. and Music and Sound Production Technology, A.S. | \$0 |
| ETS1535C | Automation and Sensors | Part of the new Civil Engineering Technology, A.S. | \$0 |
| ETS1542C | Programmable Logic Controllers (PLCs) | Part of the new Civil Engineering Technology, A.S. | \$0 |
| ETS2604 | Robotics Applications | Part of the new Civil Engineering Technology, A.S. | \$0 |

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| MTB1329 | Applied Mathematical Concepts for Engineering Technology | Part of the new Civil Engineering Technology, A.S. | \$0 |
| CET2880C | Digital Forensics | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| CGS1700 | Introduction to Operating Systems | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| CJL2062 | Constitutional Law & Legal Procedures | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| CET2369C | Embedded Hardware Programming | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| DSC2501 | Writing & Reporting for the IC | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| CIS2900 | Directed Information Technology Study | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| DSC1006 | Introduction to Homeland Security | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| DSC2590 | Intelligence Analysis & Security Management | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| CJE1680 | Introduction to Computer Crimes | Part of the new Computer Related Crime Investigations, A.S. | \$0 |
| CTS1133C | A+ Comprehensive | Part of the new Computer Information Technology, A.S. | \$0 |
| CTS1134 | Networking Technologies | Part of the new Computer Information Technology, A.S. | \$0 |
| COP1700C | Introduction to Database and MYSQL | Part of the new Computer Information Technology, A.S. | \$0 |
| CIS1513C | Project Management | Part of the new Computer Information Technology, A.S. | \$0 |

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|----------|---------------------------------|---|-----|
| CTS1111C | Linux+ | Part of the new Computer Information Technology, A.S. | \$0 |
| CTS2375C | Cloud + | Part of the new Computer Information Technology, A.S. | \$0 |
| CTS2120C | Security + | Part of the new Computer Information Technology, A.S. | \$0 |
| CTS2376C | Microsoft Identity and Services | Part of the new Computer Information Technology, A.S. | \$0 |
| CTS2366C | Microsoft Mobility and Security | Part of the new Computer Information Technology, A.S. | \$0 |
| BCN1004 | Construction Field Technology | Part of the new Construction Management, A.S. | \$0 |
| BCN1221C | Construction Techniques 1 | Part of the new Construction Management, A.S. | \$0 |
| BCN1251C | Light Construction Drafting | Part of the new Construction Management, A.S. | \$0 |
| BCN2222C | Construction Techniques 2 | Part of the new Construction Management, A.S. | \$0 |
| BCN2272 | Blueprint Reading | Part of the new Construction Management, A.S. | \$0 |
| BCN2560 | Related Specialty Trades | Part of the new Construction Management, A.S. | \$0 |
| BCN2939C | Construction Capstone | Part of the new Construction Management, A.S. | \$0 |
| BCT2750 | Construction Management 2 | Part of the new Construction Management, A.S. | \$0 |
| SUR2001C | Construction Surveying | Part of the new Construction Management, A.S. | \$0 |
| CHS1522C | Forensic Science 1 | Part of the new Crime Scene Technology, A.S. | \$0 |
| CJE1640 | Crime Scene Technology 1 | Part of the new Crime Scene Technology, A.S. | \$0 |
| CJE1673 | Crime Scene Photography 1 | Part of the new Crime Scene Technology, A.S. | \$0 |

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| CJE2671 | Basic Fingerprinting | Part of the new Crime Scene Technology, A.S. | \$0 |
| CCJ1191 | Human Behavior in Criminal Justice | Part of the new Crime Scene Technology, A.S. | \$0 |
| CCJ2503 | Criminal Justice Ethics and Professionalism | Part of the new Crime Scene Technology, A.S. | \$0 |
| CCJ2358 | Criminal Justice Reporting | Part of the new Crime Scene Technology, A.S. | \$0 |
| CJE1642 | Crime Scene Technology 2 | Part of the new Crime Scene Technology, A.S. | \$0 |
| CJE1772 | Crime Scene Photography 2 | Part of the new Crime Scene Technology, A.S. | \$0 |
| CJE2644 | Crime Scene Safety | Part of the new Crime Scene Technology, A.S. | \$0 |
| CJE2672 | Fingerprint Development | Part of the new Crime Scene Technology, A.S. | \$0 |
| CJL2610 | Courtroom Presentation | Part of the new Crime Scene Technology, A.S. | \$0 |
| CTS1305 | Introduction to Networking | Part of the new Cybersecurity Operations, A.S. | \$0 |
| CIS2772 | Cybersecurity Operations Fundamentals | Part of the new Cybersecurity Operations, A.S. | \$0 |
| CTS2301 | Linux Administration | Part of the new Cybersecurity Operations, A.S. | \$0 |
| CTS1303 | Enterprise Operating Systems I | Part of the new Cybersecurity Operations, A.S. | \$0 |
| CIS2621 | Cybersecurity Operations Implementations | Part of the new Cybersecurity Operations, A.S. | \$0 |
| CGS2091 | Information Technology: Ethical and Legal Issues | Part of the new Cybersecurity Operations, A.S. | \$0 |
| CIS2598 | Cybersecurity Capstone | Part of the new Cybersecurity Operations, A.S. | \$0 |
| CGS1309 | Computer and Information Technology Concepts | Part of the new Data Science Technology, A.S. | \$0 |

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| CGS1100 | Computer Applications | Part of the new Data Science Technology, A.S. | \$0 |
| CGS1515 | Spreadsheet Techniques and Programming | Part of the new Data Science Technology, A.S. | \$0 |
| CTS2417 | Data Visualization Techniques | Part of the new Data Science Technology, A.S. | \$0 |
| COP1044 | Introduction to Data Science using Python | Part of the new Data Science Technology, A.S. | \$0 |
| STA2041 | Data Analysis & Statistical Modeling | Part of the new Data Science Technology, A.S. | \$0 |
| CTS2450 | Introduction to Business Intelligence | Part of the new Data Science Technology, A.S. | \$0 |
| CTS2455 | Data Modeling and Logical Design | Part of the new Data Science Technology, A.S. | \$0 |
| CAP2762 | Introduction to Data Mining | Part of the new Data Science Technology, A.S. | \$0 |
| CAP2940 | Data Science Internship | Part of the new Data Science Technology, A.S. | \$0 |
| CET1110C | Digital Circuits | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| CET2113C | Advanced Digital Circuits | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| CET2123C | Microprocessors | Part of the new Electronics Engineering Technology, A.S. and Music and Sound Production Technology, A.S. | \$0 |
| COP2270 | "C" for Engineers | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| EET1025C | Alternating Current Circuits | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| EET1141C | Electronics I | Part of the new Electronics | \$0 |

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| | | Engineering Technology, A.S. | |
| EET2101C | Electronics II | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| ETI2670 | Engineering Economic Analysis | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| ETS2673C | Programmable Logic Controls | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| EET2323C | Analog Communications | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| EET2351C | Digital and Data Communications | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| EET1082 | Introduction to Electronics | Part of the new Electronics Engineering Technology, A.S. | \$0 |
| FIL1110 | Screenwriting 1: Introduction to Story Structure | Part of the new Film Production Technology, A.S. | \$0 |
| FIL1420C | Film Production 1: Introduction to the Filmmaking Process | | \$0 |
| FIL1431C | Film Production 2: Cinematography and Sound | Part of the new Film Production Technology, A.S. | \$0 |
| FIL2131 | Screenwriting 2: Character Development & Advanced Story Structure | Part of the new Film Production Technology, A.S. | \$0 |
| FIL2480C | Film Production 3: Directing | Part of the new Film Production Technology, A.S. | \$0 |
| FIL2515C | Film Production 4: Producing the Short Film | Part of the new Film Production Technology, A.S. | \$0 |
| FIL2552C | Editing 1: Introduction to Editing | Part of the new Film Production Technology, A.S. | \$0 |
| FIL2553C | Editing 2: Intermediate Editing and Visual Effects | Part of the new Film Production Technology, A.S. | \$0 |
| FIL2560C | Editing 3: Advanced Editing: Color Correction and Finishing | Part of the new Film Production Technology, A.S. | \$0 |

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| FIL2611 | Film Business, Marketing, Distribution & Exhibition | Part of the new Film Production Technology, A.S. | \$0 |
| RTV1240C | Sound Design | Part of the new Film Production Technology, A.S. | \$0 |
| VIC1000 | Visual Communications | Part of the new Film Production Technology, A.S. | \$0 |
| FIL2413 | Screenwriting 3 | Part of the new Film Production Technology, A.S. | \$0 |
| FIL1060 | Survey of Documentary Film | Part of the new Film Production Technology, A.S. | \$0 |
| BRC2001 | Introduction to Financial Institutions | Part of the new Financial Services, A.S. | \$0 |
| REE2200 | Real Estate Finance | Part of the new Financial Services, A.S. | \$0 |
| FIN1122 | Fundamentals of Financial Planning | Part of the new Financial Services, A.S. | \$0 |
| FIN2001 | Principles of Finance | Part of the new Financial Services, A.S. | \$0 |
| MNA1100 | Interpersonal Behavior in Organizations | Part of the new Financial Services, A.S. | \$0 |
| RMI1002 | Principles of Insurance | Part of the new Financial Services, A.S. | \$0 |
| BAN1004 | Banking Fundamentals, Evolution and Compliance | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| BAN2210 | Analyzing Financial Statements | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| BAN2511 | Marketing for Financial Services | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| MKA2022 | Relationship Selling and Sales Strategies | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| ACG1403 | Excel for Business | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |

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| BAN1231 | Commercial Lending | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| BAN1240 | Essentials for Retail Lending | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| BAN2211 | Applied Financial Statement Analysis | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| REE2304 | Commercial Real Estate | Part of the new Financial Services-Banking Specialization, A.S. | \$0 |
| CAP2047 | User Interface Design | Part of the new Game Development Design, A.S. | \$0 |
| CAP2048 | Game Development Project I | Part of the new Game Development Design, A.S. | \$0 |
| CAP2920C | Game Development Project II | Part of the new Game Development Design, A.S. | \$0 |
| DIG1430 | Storyboarding | Part of the new Game Development Design, A.S. | \$0 |
| DIG1705 | 3D Programming | Part of the new Game Development Design, A.S. | \$0 |
| DIG1710 | Introduction to Game Development | Part of the new Game Development Design, A.S. | \$0 |
| DIG1712 | Level Building & Design | Part of the new Game Development Design, A.S. | \$0 |
| DIG2626 | Artificial Intelligence | Part of the new Game Development Design, A.S. | \$0 |
| DIG2717C | Game System Design | Part of the new Game Development Design, A.S. | \$0 |
| BCN2732 | OSHA Safety | Part of the new Industrial Management Technology, A.S. | \$0 |
| FIN2000 | Principles of Finance | Part of the new Industrial Management Technology, A.S. | \$0 |
| MAN2125 | Supervision and Performance Improvement | Part of the new Industrial Management Technology, A.S. | \$0 |

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| MAN2043 | Quality Management | Part of the new Industrial Management Technology, A.S. | \$0 |
| MAN2582 | Introduction to Project Management | Part of the new Industrial Management Technology, A.S. | \$0 |
| CET2661C | Computer and Network Security | Part of the new IT Security, A.S. | \$0 |
| CET2883C | Network Security Advanced | Part of the new IT Security, A.S. | \$0 |
| CIS1254 | Professional Development for IT | Part of the new IT Security, A.S. | \$0 |
| CIS2619 | Design Software | Part of the new IT Security, A.S. | \$0 |
| COP2002 | Programming Logic | Part of the new IT Security, A.S. | \$0 |
| CTS2142 | IT Project Management | Part of the new IT Security, A.S. | \$0 |
| CTS2318 | Information Security Risk Management | Part of the new IT Security, A.S. | \$0 |
| MTE1004C | Introduction to Marine Technology | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE1400C | Marine Electricity | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE2420C | Advanced Electrical Systems | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE2490C | Marine Electronics | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE1040C | Marine Diesel Engines I | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE2041C | Diesel Engines II | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE1073C | Gasoline Engine Diagnostics and Repair | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE2234C | Marine Transmission Systems | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |

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| MTE2541C | Marine Auxiliary Equipment | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE1543C | Marine Air Conditioning Systems | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE1062C | Marine Corrosion & Prevention | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE1312C | Advanced Marine Composites, Painting & Refinish | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE1651C | Basic Marine Welding | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MTE2949 | Marine Internship | Part of the new Marine Engineering Management and Seamanship, A.S. | \$0 |
| MEA1206C | Clinical Procedures I | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA1265C | Laboratory Procedures I | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA1303 | Medical Office Management | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA1010C | Principles of Radiology I | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA1207C | Clinical Procedures II | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA1266C | Laboratory Procedures II | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA1930 | Special Topics I | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA2030C | Pharmacology | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| HIM1260 | Health Insurance Billing | Part of the new Medical Assisting Advanced, A.S. | \$0 |

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| MEA1931 | Special Topics II | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA2809 | Practicum Experience | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA2021 | Disease Processes | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| MEA2020 | Pathophysiology | Part of the new Medical Assisting Advanced, A.S. | \$0 |
| OST1100C | Keyboarding & Document Processing I | Part of the new Medical Office Administration, A.S. | \$0 |
| APA1111C | Introduction to Accounting | Part of the new Medical Office Administration, A.S. | \$0 |
| OST2853C | Spreadsheet Management | Part of the new Medical Office Administration, A.S. | \$0 |
| OST2501 | Office Management | Part of the new Medical Office Administration, A.S. | \$0 |
| OST2464C | Medical Office Computer Application | Part of the new Medical Office Administration, A.S. | \$0 |
| OST2455C | Medical Billing and Coding | Part of the new Medical Office Administration, A.S. | \$0 |
| HIM1260 | Reimbursement Methodology | Part of the new Medical Office Administration, A.S. | \$0 |
| OST2949 | Co Op Work Experience | Part of the new Medical Office Administration, A.S. | \$0 |
| MUM1002C | Fundamentals of Sound | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUT1011C | Introduction to Music Theory | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| EET1214C | Introduction to Engineering Technology | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM1620L | Psychoacoustics & Critical Listening Skills | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM1648L | Foley and Sound Design | Part of the new Music and Sound Production Technology, A.S. | \$0 |

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| MUM1646C | Dialogue Editing and Voice Processing | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| CET2114C | Digital Systems | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2634L | Digital Audio Workstation | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2661C | Sound Recording I | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2601L | Sound Recording Lab I | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2623C | Midi Electronic Music I | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2666C | Sound Recording II | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2602L | Sound Recording Lab II | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2678L | Mixing Techniques | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2640C | Sound Postproduction Capstone | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| EET1141C | Semiconductor Devices and Circuits | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| MUM2790L | Music Production Capstone | Part of the new Music and Sound Production Technology, A.S. | \$0 |
| PHY1004 | Physics with Applications | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHY1004L | Physics with Applications Lab | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT1102C | Anatomy for the Physical Therapist Assistant | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT1201 | Introduction to Physical Therapy | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT1201L | Introduction to Physical Therapy Lab | Part of the new Physical Therapist Assistant, A.S. | \$0 |

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| PHT1211 | Disabilities & Therapeutic Procedures I | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT1211L | Disabilities & Therapeutic Procedures I Lab | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2120 | Applied Kinesiology | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2120L | Applied Kinesiology Lab | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2224 | Disabilities and Therapeutic Procedures II | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2224L | Disabilities and Therapeutic Procedures II Lab | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2801C | Clinical Practice & Conference I | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2162 | Survey of Neurological Deficits | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2701 | Rehabilitation Procedures | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2701L | Rehabilitation Procedures Lab | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2810 | Clinical Practice & Conference II | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2820 | Clinical Practice & Conference III | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| PHT2931 | Physical Therapist Assistant Seminar | Part of the new Physical Therapist Assistant, A.S. | \$0 |
| RAT1614 | Introduction to Radiation Therapy Physics | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1210 | Radiation Therapy Anatomy | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1123 | Patient Care | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1123L | Patient Care Lab | Part of the new Radiation Therapy, A.S. | \$0 |

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| RAT1615 | Radiation Therapy Medical Imaging | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1212 | Radiation Therapy Imaging Anatomy | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1001 | Introduction to Radiation Therapy | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1002 | Introduction to Radiation Therapy Clinical Applications | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1002L | Introduction to Radiation Therapy Clinical Applications Lab | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT1804 | Clinic Education Clinical I | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2021 | Principles of Radiation Therapy I | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2617 | Advanced Radiation Physics I | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2023 | Oncology I | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2243 | Radiation Oncology Sectional Anatomy | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2814 | Clinic Education II | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2022 | Principles of Radiation Therapy II | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2024 | Oncology II | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2618 | Advanced Physics II | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2241 | Radiobiology | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2824 | Clinic Education III | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2061 | Radiation Therapy Seminar | Part of the new Radiation Therapy, A.S. | \$0 |

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| RAT2619 | Dosimetry and Computer Treatment | Part of the new Radiation Therapy, A.S. | \$0 |
| RAT2834 | Clinic Education IV | Part of the new Radiation Therapy, A.S. | \$0 |
| REE1500 | Introduction to Property Management | Part of the new Residential Property Management, A.S. | \$0 |
| REE2502 | Leasing and Marketing Residential Properties | Part of the new Residential Property Management, A.S. | \$0 |
| REE2430 | Property Management Law | Part of the new Residential Property Management, A.S. | \$0 |
| REE2507 | Property Management: Security and Risk | Part of the new Residential Property Management, A.S. | \$0 |
| REE2505 | Property Management: Maintenance for Managers | Part of the new Residential Property Management, A.S. | \$0 |
| REE2503 | Property Management: Budgeting & Financials | Part of the new Residential Property Management, A.S. | \$0 |
| REE1400 | Florida Real Estate Law | Part of the new Residential Property Management, A.S. | \$0 |
| REE2506 | Property Management and Leadership | Part of the new Residential Property Management, A.S. | \$0 |
| REE2951 | Property Management Capstone | Part of the new Residential Property Management, A.S. | \$0 |
| REE1000 | Real Estate Principles and Practice | Part of the new Residential Property Management, A.S. | \$0 |
| COP2700 | Introduction to Database | Part of the new Supply Chain Management, A.S. | \$0 |
| MAN2542 | Supply Chain Modeling | Part of the new Supply Chain Management, A.S. | \$0 |
| TRA2010 | Introduction to Transportation and Logistics | Part of the new Supply Chain Management, A.S. | \$0 |
| TRA2154 | Supply Chain Management | Part of the new Supply Chain Management, A.S. | \$0 |
| TRA2098 | Warehouse Management | Part of the new Supply Chain Management, A.S. | \$0 |

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| STS2936 | Surgical Certification Symposium | Part of the new Surgical First Assisting, A.S. | \$0 |
| STS2330C | Principles of Surgical Assisting | Part of the new Surgical First Assisting, A.S. | \$0 |
| STS2335 | Advanced Integrated Surgical Sciences | Part of the new Surgical First Assisting, A.S. | \$0 |
| STS2336 | Advanced Surgical Procedures for the Surgical Assistant | Part of the new Surgical First Assisting, A.S. | \$0 |
| STS2370 | Surgical Assisting Clinical I | Part of the new Surgical First Assisting, A.S. | \$0 |
| STS2366C | Professional Skills for the Surgical Assistant | Part of the new Surgical First Assisting, A.S. | \$0 |
| MAN2043 | Quality Management Control | Part of the new Transportation and Logistics, A.S. | \$0 |
| MAN2125 | Supervision and Performance Improvement | Part of the new Transportation and Logistics, A.S. | \$0 |
| MAN2216 | Inventory Management | Part of the new Transportation and Logistics, A.S. | \$0 |
| TRA2010 | Introduction to Transportation and Logistics | Part of the new Transportation and Logistics, A.S. | \$0 |
| TRA2131 | Purchasing | Part of the new Transportation and Logistics, A.S. | \$0 |
| TRA2098 | Warehouse Management | Part of the new Transportation and Logistics, A.S. | \$0 |
| TRA2154 | Supply Chain Management | Part of the new Transportation and Logistics, A.S. | \$0 |
| TRA2152 | Operations Management | Part of the new Transportation and Logistics, A.S. | \$0 |
| TRA2142 | Regulatory Compliance for Logistics Managers | Part of the new Transportation and Logistics, A.S. | \$0 |
| TRA2943 | Transportation and Logistics Internship | Part of the new Transportation and Logistics, A.S. | \$0 |
| ASC1210 | Aviation Meteorology | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |

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| ASC2561 | Advanced Unmanned Vehicle Systems Operations | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| ASC2564 | Unmanned Vehicles Systems Security | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| ASC2949 | Unmanned System Practicum | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| ATT1100 | Pilot Theory | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| AVM2441 | Aviation Safety and Human Factors | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| EOC1660 | Introduction to Unmanned Maritime Systems | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| ETS1542C | Introduction to Programmable Logic | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| GIS2030 | Fundamentals of Remote Sensing | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |
| GIS2040 | Introduction to Geographic Information Systems | Part of the Unmanned Vehicle Systems Operation, A.S. | \$0 |

COURSE REVISIONS

| Course ID | Course Name | Type of Change | Current | Proposed | Rationale for Change |
|-----------|---|---|--|--|---|
| ACR0044 | A/C, Refrigeration and Heating Technician | Course Title | A/C, Refrigeration and Heating Technician | HVAC/R Advanced Service Practices | The new title aligns with the curriculum frameworks for HVAC/R2. |
| PHY1020 | Energy and Its Environmental Effects | Course Title, Prerequisite and Course description | Title: Energy and Its Environmental Effects Prerequisite: none Description: A survey of the basic principles of physics including light, forces and motion, electricity and magnetism, and nuclear energy. | Title: Fundamentals of Physics Prerequisite: Documented exemption, appropriate placement scores, or completion of developmental education reading and writing | Lack of student interest in environmental aspect of the course. This revision returns the course to the traditional format expected by transfer institutions. |

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| | | | Prospects of future energy sources and their environmental ramifications will be explored. Intended for the nonscientist. | Description: A survey of the basic principles of physics including forces and motion, energy and momentum, electricity and magnetism, and light. Intended for the non-scientist; students should have taken Algebra 2 or higher in high school. | |
| PHY1053 | Elementary College Physics | Course description | Physics without calculus for science or related majors; not for physics or engineering majors. Topics include mechanics, energy and work, rotational dynamics and equilibrium. | Introduction to mechanics, energy, work, rotational dynamics and equilibrium. Intended for science or related majors; not intended for physics or engineering majors. Course work uses algebra and trigonometry. | This change better aligns the course description with the course content. |
| PHY1054 | Elementary College Physics II | Course description | Continuation of PHY1053. Topics include Thermodynamics, electricity and magnetism, light, and optics. | Continuation of PHY1053. Topics include Thermodynamics, electricity and magnetism, light, and optics. Intended for science or related majors; not intended for physics or engineering majors. Course work uses algebra and trigonometry. | This change better aligns the course description with the course content. |

COURSE DELETION

| Course ID | Course Name | Rationale for Course Deletion |
|-----------|--------------------------------|--|
| EET1604C | BAS Energy Management Concepts | Course is being deleted to streamline the program. The concepts are covered in multiple courses. |