

New Programs and Certificates (<http://www.mdc.edu/academics/programs/default.aspx>)

Effective: Fall 2020 (2207)

Geographic Information Systems

College Credit Certificate | Code: 66080 | 21 credits

Geographic Information Systems (GIS) is a technological field that promotes cooperation within and across organizations by enabling the integration of several information platforms to facilitate mapping, analysis and planning strategies. The College Credit Certificate program in Geographic Information Systems Technology prepares students with professional and technical training in geographic information systems (GIS). Graduates of the CCC acquire a skill-set that equips them to create, modify and enhance GIS for analysis, prediction, decision making and planning in a variety of fields.

Effective: Fall 2020 (2207)

Patternmaking and Construction

College Credit Certificate Program | Code: 64002 | 21 credits

The College Credit Certificate Program in Pattern Making and Construction prepares students to fulfill the essential roles of machinists, pattern makers, and pattern cutters in the growing field of fashion. Classes focus on the technical skills and basic textile knowledge required for entry level positions in the industries of textile, apparel, and furnishings.

Effective: Fall 2021 (2217)

Health Science –Medical Laboratory Sciences Concentration

Bachelor of Applied Science | Code: P9211 | 130 credits

The Bachelor of Applied Science (B.A.S.) in Health Sciences with concentration in Medical Laboratory Sciences is designed to accommodate the unique demands for entry and advancement within the health science industry. Medical Laboratory Scientist work with pathologists and other laboratory professionals in performing and analyzing laboratory testing used for diagnosis, treatment, and prevention of disease. Medical Laboratory Sciences program graduates are eligible for certification by the American Association of Bioanalysts (AAB), American Society for Clinical Pathology (ASCP), and American Medical Technologist (AMT). Upon completion of the program and the attainment of certification and license, medical laboratory scientists are employed in a variety of health-care settings as laboratory technologists with the opportunity of upward mobility to supervisory and management positions.

Health Science – Histotechnology Concentration

Bachelor of Applied Science | Code: P9212 | 130 credits

The Bachelor of Applied Science (B.A.S.) in Health Sciences with concentration in Histotechnology is designed to accommodate the unique demands for entry and advancement within the health science industry. Histotechnologist process patient samples for the detection of tissue abnormalities in order to determine the best treatment for the diseases causing the abnormalities. In addition to the dyes and chemicals used to prepare and stain tissues for microscopy, immunological and DNA techniques are utilized to determine specific cell types in tumors. Histotechnologist work in conjunction with the pathology department at a variety of hospital, surgical and clinical locations. Upon completion of the program and the attainment of certification and license, Histotechnologist are employed in a variety of health-care settings with the opportunity of upward mobility to supervisory and management positions.

Effective: Fall 2021 (2217)

Surgical Technology

Associate in Science | Code: TBD | 64 credits

The Associate in Science degree in Surgical Technology is designed to educate and prepare graduates with skills required for entry-level employment as a member of the healthcare team. In addition, students will acquire extensive knowledge of legal and ethical responsibilities, anatomy, physiology, pathophysiology, microbiology, aseptic techniques, patient care procedures, surgical technology procedures, patient safety, and use and care of equipment and supplies.

Effective: Fall 2021 (2217)

Lending

College Credit Certificate | Code: 65080 | 32 credits

The primary vision of the Lending Certificate is to develop in the students the ability to identify risks by providing a comprehensive foundation in financial analysis and credit underwriting fundamentals. The student will learn how to recognize first signals of credit deterioration and how lending officers manage problematic credit risk situations and implement strategies to minimize losses. The Program content includes identification, analysis of key qualitative risk factors, assessment, calculation, and interpretations of key ratios and elements of financial accounting.

Program and Certificate Modifications (<http://www.mdc.edu/academics/programs/default.aspx>)

Effective Spring 2021 (2213) the following programs and certificates are modified as follows:

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Electrical and Computer Engineering Technology

Electrical and Computer Engineering Technology (ECET) is part of almost everything society depends on. The ECET program at Miami Dade College is designed to provide students with a well-rounded hands-on education in electrical and computer systems. The program emphasizes the application of electrical/electronic and computer hardware and software principles and devices. Students study and learn valuable skills from various areas such as: computer hardware and interfacing, computer-based instrumentation and process control, digital communication and networking, and microcontroller systems and applications. Graduates from the ECET program have technical skills that allows them to work in a broad range of industries including transportation, green energy, networks and communications, aerospace, defense, and biomedical.

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Information Systems Technology - Software Engineering

The Bachelor of Science (BS) in Information Systems Technology (IST) degree program prepares students with essential skills and knowledge to effectively support the design, planning and management of information infrastructures and information resources within diverse organizational settings The Software Engineering concentration focuses on designing and creating software. Students learn how to specify software requirements from clients and how to design, implement and validate software solutions for real-world problems.

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Information Systems Technology – Cybersecurity Concentration

The Bachelor of Science (BS) in Information Systems Technology (IST) degree program prepares students with essential skills and knowledge to effectively support the design, planning and management of information infrastructures and information resources within diverse organizational settings The Cybersecurity concentration focuses on vulnerabilities and threats faced by information systems. Students learn how to analyze risks of an organization’s digital assets, as well as how to use tools and methods to mitigate cyber threats. Upon completion of the program, the student will have learned to collect and analyze evidence from Windows and Linux computer systems and to footprint, scan, and enumerate networks.

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Information Systems Technology – Networking Concentration

The Bachelor of Science (BS) in Information Systems Technology (IST) degree program prepares students with essential skills and knowledge to effectively support the design, planning and management of information infrastructures and information resources within diverse organizational settings The Networking Concentration focuses on how to plan, design, implement and maintain network infrastructures to keep organizations running smoothly. Students learn how to select technologies that best suit the client’s needs. Students also acquire the technical skills needed to install, maintain, and extend multi-user computer systems and how to develop administrative policies and procedures.

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Networking Services Technology – Network Infrastructure

The Networking Services Technology - Network Infrastructure program provides an opportunity to establish a foundation in the field of network design and administration for employment in commercial, industrial and government institutions. The Network Infrastructure track offers the training needed to connect and secure multiple computing systems and software platforms. Students are additionally eligible to sit for the Cisco Certified Networking Associate (CCNA) certification exam. Graduates are prepared for positions as information technology specialists, help desk specialists, network specialists, entry level security specialists and network systems analysts.

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Networking Services Technology – Network Security

The Networking Services Technology- Network Security program provides an opportunity to establish a foundation in the field of network design and administration for employment in commercial, industrial and government institutions. The program has an emphasis on operations, hardening and administration of network security devices. Graduates of the AS Program in this track

acquire a skill set that allows the student to collect and analyze system logs, perform network penetration testing, and install and operate IDS/IPS, VPNs, firewalls and honeypots.

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Accounting & Budgeting

The College Credit Certificate in Accounting & Budgeting will prepare students to compute, classify, and record numerical data to keep financial records complete. Students will also be prepared to check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers.

Program and Certificate Deletions (<http://www.mdc.edu/academics/programs/default.aspx>)

Effective Spring 2021 (2213) the following programs and certificates are no longer offered at MDC:

Secondary Science Education – Chemistry

Bachelor of Science | Code: S9220 | 120 credits

Secondary Science Education – Earth and Space Sciences

Bachelor of Science | Code: S9230 | 120 credits

Secondary Science Education – Physics

Bachelor of Science | Code: S4107 | 120 credits

Automotive Service Management Technology

Associate in Applied Science | Code: A1000 | 68 credits

Financial Services - Mortgage Finance

Associate in Science | Code: 22025 | 60 credits

Health Information Technology - Accelerated

Associate in Science | Code: 23071 | 70 credits

Instructional Services Technology

Associate in Science | Code: 22013 | 63 credits

Telecommunications Engineering Technology

Associate in Science | Code: 26051 | 64 credits

Theater & Entertainment Technology

Associate in Science | Code: 26025 | 64 credits

Business Management - Management

College Credit Certificate | Code: 65041 | 24 credits

Business Management - Small Business Management

College Credit Certificate | Code: 65042 | 24 credits

Business Operations - Accounting/Budgeting

College Credit Certificate | Code: 65021 | 18 credits

Business Specialist - Accounting/Budgeting

College Credit Certificate | Code: 65010 | 12 credits

Business Operations – International Business

College Credit Certificate | Code: 65026 | 18 credits

Entrepreneurship

College Credit Certificate | Code: 65099 | 12 credits

Marketing Operations

College Credit Certificate | Code: 65008 | 30 credits

Mortgage Finance

College Credit Certificate | Code: 62004 | 31 credits

Bail Bond Agent

Career Technical Certificate | Code: 57003 | 4 credits (120 Clock Hours)

Business Supervision & Management

Career Technical Certificate | Code: 55014 | 30 credits (900 Clock Hours)

Commercial Art Technology

Career Technical Certificate | Code: 56004 | 50 credits (1500 Clock Hours)

Electronic Technology

Career Technical Certificate | Code: 56002 | 46.60 credits (1398 Clock Hours)

Medical Record Transcribing

Career Technical Certificate | Code: 53006/53026 | 40 credits (1200 Clock Hours)

Television Production

Career Technical Certificate | Code: 56008 | 55 credits (1650 Clock Hours)

Existing Courses

The following existing college credit courses were omitted from the posted 2020-2022 College Catalog.

PAGE 279:**PGY 2239 Illustrative Photography 2 (4 credits)**

A sophisticated level of photographic illustration is reached, and emphasis is given to conceptual and visual continuity. Concepts, methods and techniques necessary to produce slide presentations for variety of clients are stressed. Seminars and conferences prepare students for the business aspects of the illustration and advertising markets. Prerequisite: PGY 2221. Laboratory fee. (1-2 hr. lecture; 4 hr. lab)

PGY 2401C Introduction to Photography (3-4 credits)

Fundamentals of black and white photography as an art medium with emphasis on composition, design and processing. Students will supply their own camera, film and paper. Prerequisites: ART 1203C, 1300C, or equivalent. Laboratory fee. (1-2 hr. lecture; 4 hr. lab)

PGY 2404C Intermediate Photography (3-4 credits)

Emphasis on achieving more technical control of black and white photography with introduction to larger format photography utilization of studio aspects such as strobe, quartz lighting and view camera controls continued development of aesthetics. Corequisite: PGY 2401C. Laboratory fee. (1-2 hr. lecture; 4 hr. lab)

PGY 2470C Portfolio Preparation (3-4 credits)

Provides graduating students individual guidance and direction in the preparation of their portfolios. Emphasis is given to the realization of new photographic images. Prerequisite: PGY 2111C, 2210, 2221, 2222. Laboratory fee. (1-2 hr. lecture; 4 hr. lab)

PGY 2475 Advanced Photography (3-4 credits)

The production of advanced portfolio in black and white or color, while emphasizing photography as a studio area in art. A continuation in the development of both technical and aesthetic concerns for the art student majoring in photography. Prerequisite: PGY 2404C. (2 hr. lecture; 4 hr. lab)

PGY 2800C Digital Photography (4 credits)

This course is an introduction to the practice of documentary digital photography. Students will learn basic digital camera skills, imaging software, and printing and critiques. Prerequisites: ART 1205C, 1300C, and PGY 2401C. May be repeated for credit. Special fee. (2 hr. lecture; 4 hr. lab)

New Courses

Effective Spring 2021 (2213) the following new courses have been added to the MDC course inventory:

AMH 2090 History of Women in the United States (3 credits)

This course will explore the history of women from precolonial times to the present, by examining how gender roles, class, and ethnicity defined women's experiences in the social, political, and economic contexts. It will also analyze how women shaped and contributed to historical events and movements within the United States. (3 hr. lecture)

AML 2600 African American Literature (3 credits)

A study of African American historical and contemporary literature from various genres such as poetry, fiction, narratives, speeches, films, and drama. Prerequisite of ENC 1101 with a Grade of "C" or higher, or equivalent. (3 hr. lecture)

BAN 2252 Commercial Real Estate (3 credits)

In this course the student will learn specific financial tools and techniques required to assess the feasibility of commercial real estate investment, funding and financing options, risks associated to real estate transactions and factors impacting real estate investment decisions. The student will learn how the commercial real estate process works, the different interested parties involved in the transaction, the essentials of risk and return, financing options and different phases in a commercial real estate transaction. (3 hr. lecture)

CEN 4025C Software Engineering II (4 credits)

This upper division course is for students majoring in the B.S. in Information Systems Technology or the B.S. in Electrical and Computer Engineering Technology programs. This course covers in-depth topics in software process structures, process models, requirements modeling with use-cases and class-based methods. Students will also learn design concepts including abstraction, OOD concepts, component-level and architectural design, user interface analysis and design, and design patterns. Prerequisite(s): CET 3383C. (3 hr. lecture, 2 hr. lab)

CEN 4090C Software Engineering Capstone (4 credits)

This upper division course, for students majoring in the BS-IST Software Engineering concentration, requires students to demonstrate their competence to analyze, design, develop, and test a software system. Student(s) will create, implement, and present a software project plan that includes the following work products: software requirements specification, design specification document, code, unit tests and project system test plan to create an operational system. This course should be taken during the last semester before graduation and with a departmental permission. Prerequisite(s): Student must be classified as a Senior and have completed at least 3 of the 5 concentration courses to obtain departmental approval. (3 hr. lecture, 2 hr. lab)

CLP 2431 Field Experience in Behavioral Analysis (3 credits)

The student will learn the process and importance of observing, documenting, and interpreting the behavior of individuals with special needs. Students will learn and apply various methods to document behavior and create behavioral treatment plan. (20 hours service learning). Prerequisite(s): EAB 1001. (3 hr. lecture)

CLP 2470 Introduction to Childhood Psychopathology (3 credits)

This course is designed especially for students who are interested in completing the RBT examination through the BCBA. The course will cover measurement, assessment, skill acquisition, behavior reduction, documentation and reporting, and professional conduct and scope of practice, as well as all subtasks listed in the RBT checklist and the Professional and Ethical Compliance Code for Behavior Analysts by the BCBA. Special fee. Prerequisite(s): PSY 2012. (3 hr. lecture)

COT 4400 Design and Analysis of Algorithms (4 credits)

This upper division course is for students majoring in the B.S. in Information Systems Technology or the B.S. in Electrical and Computer Engineering Technology programs. This course covers general techniques in algorithm design (such as divide-and-conquer, greedy method, dynamic programming, search and traversal techniques, branch-and-bound) in the context of problem domains like graph, sorting and optimization problems. Prerequisite(s): COP1334 or COP2270. (3 hr. lecture, 2 hr. lab)

CTS 4935C Networking Capstone**(4 credits)**

This upper division course, for students majoring in the BS-IST Networking concentration, requires students to demonstrate their competence to analyze, design, develop, and test an information system in a team environment. Each team will create and present an information technology (IT) solution proposal that includes design documentation, implementation plan, and project test plan to create an operational information system. Students will also implement a proof-of-concept in a real or simulated/virtualized environment. Prerequisite(s): Student must be classified as a senior and have completed at least 3 of the 5 concentration courses to obtain departmental approval. (3 hr. lecture, 2 hr. lab)

EAB 1001 Foundation in Registered Behavior Technician**(3 credits)**

This course is designed especially for students who are interested in completing the RBT examination through the BCBA. The course will cover measurement, assessment, skill acquisition, behavior reduction, documentation and reporting, and professional conduct and scope of practice, as well as all subtasks listed in the RBT checklist and the Professional and Ethical Compliance Code for Behavior Analysts by the BCBA. Special fee. (3 hr. lecture)

EEC 3213 Language, Literature, and Emergent Literacy**(3 credits)**

This course focuses on the development of language and literacy in children ages birth through age five. The student will learn the process of emergent literacy including vocabulary and language development, phonological awareness, alphabetic and print knowledge, and comprehension. The student will learn to design developmentally appropriate and effective emergent literacy activities in relation to the early learning and developmental standards. (Ten hours of clinical experience required in an approved pre-kindergarten inclusion setting.) (3 hr. lecture)

EEC 3412 Family and Community Partnerships in Early Childhood Education**(3 credits)**

This course focuses on family engagement and community involvement in early childhood education. The student will identify strategies for establishing and maintaining reciprocal relationships with culturally diverse parents, families, and communities. The student will explore ways to connect students, parents, families, the school, and the community as a partnership to support student learning and well-being. (3 hr. lecture)

EEC 3613 Observation and Assessment of Young Children**(3 credits)**

This course will provide an overview of the process and importance of observing, documenting, and interpreting the behavior of young children. The student will learn and apply various methods to document the ongoing development of children and the value of using this information to support and plan for learning experiences. (Ten hours of clinical experience in an approved birth-age four inclusion setting.) (3 hr. lecture)

EEC 4219C Science, Technology, and Mathematics (STEM) Methods for ECE II**(3 credits)**

The student will learn to use scientific and mathematical research-based methods and strategies to teach inquiry and problem-solving skills and plan activities for young children that foster exploration in the nature of science, mathematics, and technology. (Ten hours of clinical experience required in an approved kindergarten-third grade inclusion setting with ESOL students during math and science instruction: 1 observation.) (3 hr. lecture)

EEX 3201 Young Children with Special Needs**(3 credits)**

This course provides an overview of issues related to young children (birth through age eight) with special needs. The student will learn about possible causes and characteristics of exceptionalities, federal laws pertaining to students with disabilities, the referral process, educational interventions, available resources, and advocacy (Ten hours of clinical experience required in an approved birth-age four inclusion setting). (3 hr. lecture)

EEX 4932 Advanced Topics in Exceptional Student Education**(3 credits)**

The student will explore current issues and trends in Exceptional Student Education (ESE). The student will learn about the foundations of ESE, including instructional practices, differentiated instruction, positive behavioral supports, assessment, the transition process, and assistive technology. This course will help prepare students for the Florida Teacher Certification ESE exam. (3 hr. lecture)

EDG 2319 Introduction to Mindfulness in Education**(3 credits)**

This course provides an introduction to educational neuroscience research on mindfulness in education. This course supports teachers' understanding of essential techniques and the application of mindfulness in the classroom. The student will research theories of mindfulness methods that have shown to have beneficial effects on physical, mental health and well-being. The

student will practice mindfulness techniques & methods to support the development of self-reflective teaching practices and consider the impact of mindfulness techniques as pedagogical methods for fostering well-being and prioritizing students' social-emotional development. (3 hr. lecture)

EDG 2700 Introduction to Multicultural Education (3 credits)

This course will provide an overview of multicultural teaching and anti-bias education to promote equitable education for all learners. The student will explore, theorize, and think critically about language practices, ethnicity, race, and culture across diverse settings (e.g. schools & communities). The student will develop a critical understanding of theory and practice as they foster student-centered teaching approaches that support linguistically and culturally diverse students. (3 hr. lecture)

ENG 2012 Literary Theory (3 credits)

This course introduces students to the study of literary criticism. Students will discuss, analyze, and write about literature through the lens of contemporary critical theory. Prerequisite(s): ENC 1101. (3 hr. lecture)

FIL 2951 Film Festival Experience (3 credits)

An immersive experience in a film festival. Students engage directly with films and filmmakers through their attendance to festival screenings and professional panels and discussions. Students become acquainted with a festival's organization and develop their professional skills by participating as volunteers in a multi-cultural community event. (3 hr. lecture)

MAC 1105L College Algebra Co-Requisite Lab (1 credit)

Students will remediate high school mathematics knowledge to prepare themselves for College Algebra Concepts, while reinforcing concepts being learned in College Algebra and applying their knowledge to real world applications. Corequisite: MAC 1105. (2 hr. lab)

MAE 3951 Project-Based Learning in Mathematics Education (2 credits)

The student will learn and apply the principles of project-based learning by designing and implementing projects to explore real-world problems, questions, and challenges in the field of education. The student will develop their technology, critical, creative, and communication skills by producing products to share their findings and proposed solutions. This course requires approved clinical hours. (2 hr. lecture)

MLS 4193 Clinical Molecular Diagnostics (3 credits)

Clinical molecular diagnostics course provides an introduction to molecular analysis of biological markers in clinical samples to aid in the diagnosis, monitoring and treatment of diseases. (3 hr. lecture)

MLS 4621 Clinical Biochemistry (4 credits)

This course provides the student with the knowledge and understanding of clinical disorders and how biochemical factors and laboratory methods are used for the investigation, diagnosis and management of patients. (4 hr. lecture)

MLS 4705 Laboratory Operations and Management (3 credits)

This course provides students with Quality Management skills necessary in the medical laboratory. Students are exposed to organizational structure along with principles for leadership and managerial decision making and process improvement along with different principles used in Laboratory Instrumentation. (3 hr. lecture)

MLS 4221 Clinical Urinalysis (3 credits)

The study of body fluids for physical health and identification of abnormalities in relation to disease states. (3 hr. lecture)

MLS 4306 Clinical Hematology (3 credits)

This course is the study of the composition and function of blood; diseases related to blood disorders. Students will receive the necessary skills in the application of hematology diagnostic procedures, interpretation, problem solving and correlation of laboratory findings with disease states. (3 hr. lecture)

MLS 4335 Clinical Hemostasis (3 credits)

This course Provides an overview application of hemostasis (coagulation), as it relates to the medical laboratory. Presents coagulation laboratory principles with hemostasis diagnostic procedures, interpretation, problem solving and correlation of laboratory findings and results in accordance to the disease states. (3 hr. lecture)

- MLS 4461C Clinical Diagnostic Microbiology (3 credits)**
Clinical Diagnostic Microbiology provides concepts in bacteriology identification methods, rapid identification methods for parasites and fungi and an overview of virology methodology. (144 hr. clinical)
- MLS 4506 Clinical Immunology (3 credits)**
Clinical Immunology will provide an overview of immunology concepts and the theory of some immunologic procedures. The immunologic manifestation of infectious disease and immune disorders will also be covered. (3 hr. lecture)
- MLS 4552 Clinical Immunoematology (3 credits)**
The study of concepts related to the blood group systems, blood antigens and antibodies. The student will analyze the principles, procedures and clinical significance of testing in genetics, pre-transfusion testing, adverse effects of transfusions, donor selection and components, and hemolytic disease of the newborn. (3 hr. lecture)
- MLS 4630 Clinical Chemistry (3 credits)**
The study of the concepts and principles of Clinical Chemistry. Analytes and lab values are correlated to normal homeostasis and disease states. (3 hr. lecture)
- MLS 4196C IN-SITU Hybridization or FISH (3 credits)**
This course will explore the theoretical concepts used in fluorescence in-situ hybridization (FISH) testing. Commonly used FISH methodologies, necessary equipment, and the enumeration of FISH signals will also be discussed. (2 hr. lecture, 3 hr. clinical)
- MLS 4910 Advances in Histotechnology Capstone (7 credits)**
This course will support the educational development of the histotechnology students by providing an opportunity for in-depth learning in one of the following domains Cytopreparatory techniques; Digital pathology; Electron microscopy; Micro-wave (MOHS) pathology; Ocular pathology histotechnology techniques; which will result in a scholarly project underlying its relevance in today's advanced pathology laboratories. (7 hr. lecture)
- MLS 4181C Immunohistochemistry (3 credits)**
This course introduces the various techniques that are used in the preparation and evaluation of immunohistochemistry slides. Procedures and terminology related to immunohistochemistry are also discussed and strategies for troubleshooting problems are presented. (2 hr. lecture, 3 hr. clinical)
- MLS 4195C Enzyme Histochemistry (3 credits)**
Introduction to advanced techniques and special procedures. Students will learn procedures for, muscle enzyme Histochemistry and molecular histology. The course will include tissue preparation, staining technology, quality control and troubleshooting. (2 hr. lecture, 3 hr. clinical)
- MLS 4198 Immunohistochemistry Clinical (5 credits)**
This clinical course will introduce the students to the basic immunohistochemistry techniques as applied to the routine anatomical pathology laboratory. (240 hr. clinical)
- MLS 3150 Special Topics in Medical Laboratory Sciences (3 credits)**
This course stresses the importance of evidence-based practice in the medical laboratory sciences field. Students will be presenting case studies to the faculty and peers in the program. Instruction will emphasize professional, legal and ethics issues affecting the medical laboratory science field. Students will review the material covered in the program to prepare for the comprehensive assessment. (3 hr. lecture)
- NMT 1705C Nuclear Medicine Pre-Clinical (2 credits)**
This nuclear medicine technology course prepares students to attend to patients, and evaluate data from patient records, make dose calculations, prepare radio-pharmaceuticals, perform in-vivo and in-vitro diagnostic studies, and perform quality control procedures. Prerequisite(s): BSC 2085/L, BSC 2086/L, CHM 1033/L; Corequisite(s): NMT 1002L, NMT 1312C, NMT 2613. (1 hr. lecture, 3 hr. clinical)

- NMT 2733C Nuclear Medicine Methodology 3 (2 credits)**
A continuation of Nuclear Medicine Procedures 2, students will learn the imaging parameters necessary to obtain images as well as the use of instrumentation necessary to produce the required images performed in a nuclear medicine department. Exposure to patient management during the procedures will also be addressed. Prerequisite(s): BSC 2085/L, BSC 2086/L, NMT 1713C, NMT 2723C; Corequisite(s): NMT 2779C, NMT 2824C. (1 hr. lecture, 3 hr. clinical)
- NMT 2779C Multi-Modalities and Cross-Sectional Anatomy (2 credits)**
This course educates the student upon proper recognition and interpretation of cross-sectional anatomy. The student will also compare and analyze images from complementary modalities. It is crucial for the nuclear medicine technologist to understand three-dimensional imaging in order to enhance patient care and be an asset to the facility. Prerequisite(s): NMT 2130C, NMT 2723C, NMT 2814C; Corequisite(s): NMT 2733C, NMT 2824C. (1 hr. lecture, 2 hr. lab)
- NMT 2834C Nuclear Medicine Clinical Education 4 (5 credits)**
A continuation of Nuclear Medicine Procedures 2, students will learn the imaging parameters necessary to obtain images as well as the use of instrumentation necessary to produce the required images performed in a nuclear medicine department. Exposure to patient management during the procedures will also be addressed. (336 hr. clinical)
- PHT 1102C Anatomy for the Physical Therapist Assistants (4 credits)**
Regional description of the musculoskeletal landmarks utilized in implementing and documenting assessment and treatment procedures in physical therapy. Prerequisite: Departmental Approval, Corequisite(s): PHT 1201, PHT 1201L, PHT 1211, PHT 1211L. (3 hr. lecture, 2 hr. lab)
- PHT 2801C Clinical Practice and Conference I (2 credits)**
The students will be exposed to clinical experiences in supervised patient care activities in a variety of clinical facilities including general hospitals and physical therapy clinics. Prerequisite(s): PHT 1102C, PHT 1201, PHT 1201L, PHT 1211, PHT 1211L; Corequisite(s): PHT 2120, PHT 2120L, PHT 2224, PHT 2224L. (96 hr. clinical)
- PLS 1005 Biology of Cannabis (3 credits)**
This course will provide an extensive review of Cannabis species. Students will learn about the history, classification, reproduction, genetics, and the role of metabolites in human health. The course will emphasize medicinally important pharmacological compounds extracted from Cannabis including cannabinoids and terpenes. Corequisite(s): HOS 1010. (3 hr. lecture)
- REE 2304 Commercial Real Estate (3 credits)**
In this course the student will learn specific financial tools and techniques required to assess the feasibility of commercial real estate investment, funding and financing options, risks associated to real estate transactions and factors impacting real estate investment decisions. The student will learn how the commercial real estate process works, the different interested parties involved in the transaction, the essentials of risk and return, financing options and different phases in a commercial real estate transaction. (3 hr. lecture)
- STS 1302 Introduction to Surgical Technology (2 credits)**
This course is intended to teach the role of the surgical technologist and central sterile supply technician in the operating room, delivery room and related areas will be covered. The student will learn the basic knowledge of equipment, supplies and instrumentation including the physical environment of the surgical suite. (2 hr. lecture)
- STS 1303 Fundamentals of Surgical Technology (3 credits)**
This course introduces the discipline of surgical technology and the role of the surgical technologist in preventing perioperative disease transmission and microbiology to include the characteristics and activities of microorganisms. It surveys the various microbial groups, especially the bacteria, viruses and fungi with emphasis on pathogenic forms. Various significant aspects of infectious disease that occur in humans are also covered. The course will also include an introduction to principles of perioperative care, asepsis/infection control, proper disinfection, assembly, and sterilization processes for instrumentation following surgical procedures. (3 hr. lecture)
- STS 1304L Operating Room Techniques Laboratory (3 credits)**
This course will provide the student information on operating room furniture, equipment, and supplies used during surgery. The preparation of the operating room, surgical scrub, gowning and gloving, development of the sterile field, patient positioning,

surgical skin prep, and draping will be included and will be part of the lab practical exam. Students will be required to simulate a surgical procedure from start to finish. Students must complete this course with a grade of "C" or higher in order to start the clinical rotations. (144 hr. clinical)

STS 1307 Surgical Equipment and Instrumentation (3 credits)

This course prepares the student for the scrub role during surgical procedures, identification of basic surgical instrumentation, passing of the instruments, proper care, reprocessing of instruments following a surgical procedure, and utilizing equipment in the operating room. Students will also learn about surgical wounds, proper tissue handling techniques, wound closure, wound healing, suture material, and stapling devices. (3 hr. lecture)

STS 1308 Perioperative Patient Care Concepts (2 credits)

This course will introduce the student to the needs of the surgical patient, with a focus on the special needs patient care concept, which includes adult, pediatric, geriatric, and bariatric patients. Discussion will also include types of consents, transportation and transfer of the surgical patient, preoperative patient routines, positioning, safety issues, and death and dying will be included. (2 hr. lecture)

STS 1323 Surgical Procedures I (3 credits)

This course is designed to prepare students for surgical procedures by providing instruction on diagnostic procedures and relevant equipment, supplies, and techniques. The course will also include the review of surgical anatomy, physiology, and pathophysiology in relation to general surgery, endoscopic surgery, gynecological and obstetrical surgery, genitourinary surgery, orthopedic surgery, and ophthalmic surgery. (3 hr. lecture)

STS 1327L Principles and Practices of Surgical Technology Laboratory (2 credits)

This course is an introduction to surgical instrumentation, to include identification, classifications, selection, passing, proper care, and handling equipment and supplies. The course will include proper care, disinfection, assembly, and sterilization processes for instrumentation following surgical procedures. The decontamination of the operating room will be covered. Hands-on-experience in the Sterile Processing Department at local hospitals will be included in the course. (4 hr. lab)

STS 1931 Surgical Technology Special Topics Seminar (3 credits)

This course provides a review of all materials covered throughout the five-semester program. Certification examination process are covered. Employability skills are also covered. (3 hr. lecture)

STS 2179 Surgical Biomedical Fundamentals (3 credits)

This course teaches the skills necessary to function as a surgical technologist in the operating room including principles of aseptic technique, and a basic understanding of robotics and their use in the operating room setting. In addition, an understanding of the principles of physics and electricity as it relates to the operating room environment will be covered. (3 hr. lecture)

STS 2324 Surgical Procedures II (3 credits)

This course is designed to prepare students for specialty surgical procedures including the review of surgical anatomy, physiology, pathophysiology, relevant equipment, supplies, and techniques regarding otorhinolaryngological surgery (ear, nose, and throat/ENT), oral and maxillofacial surgery, plastic and reconstructive surgery, cardiothoracic surgery, peripheral vascular surgery, neurosurgery, transplant and trauma surgery. The depth of coverage is determined by the current edition of the core curriculum for surgical technologists published by the Association of Surgical Technologists. (3 hr. lecture)

STS 2340 Surgical Pharmacology (3 credits)

This course introduces general pharmacological concepts and principles in the management of patient care. Effective administration of therapeutic drugs, indications, and contraindications are discussed, including effects of medication on body systems, drug classifications and their principle action. Correct drug and dose identification is emphasized, including medications handled by the surgical technologist on the sterile field. (3 hr. lecture)

STS 2360 Professional Skills for the Surgical Technologist (2 credits)

This course will cover professional management, communication skills and teamwork, ethical and moral issues in the healthcare setting, and legal issues and risk management. (2 hr. lecture)

Course Modifications

Effective Spring 2021 (2213) the following college credit courses have been modified as follows:

PAGE 153-154:**Banking**

BAN 1231	Commercial Lending
BAN 1240	Essentials for Retail Lending
BAN 2501	Money, Banking and Financial Markets
BAN 2511	Marketing for Financial Service

PAGE 162-163:**Chinese Language****CHI 1120 Elementary Mandarin Chinese 1 (4 credits)**

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in Chinese. Note: Students must pass this course with a C or better to continue to Chinese 1121. (4 hr. lecture)

CHI 1121 Elementary Mandarin Chinese 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in Chinese. Note: Students must pass this course with a C or better to continue to Chinese 2220. Prerequisite: Chinese 1120. (4 hr. lecture)

PAGE 163-202:**Computer Science****CEN 2211 C/C++Programming for Embedded Devices (4 credits)**

This course teaches the principles of programming in the C/C++ languages for embedded devices. The student will learn how to create programs to control open source hardware for building digital devices that can sense and control the physical world around them and communicate with the Internet. Prerequisite: COP1334; Corequisite: EET 1033C. (2 hr. lecture, 4 hr. lab)

CEN 2212C Introduction to Programming the Internet of Things (IoT) (4 credits)

This course teaches the principles of programming Internet of Things devices using a computer language. The student will learn fundamental programming concepts and systematic design techniques. At the end of the course, the student will be able to write programs that control development boards, with sensors, connected to the Internet. Prerequisites: CEN2211; EET 1033C. (2 hr. lecture, 4 hr. lab)

CET 3126C Computer Architecture (4 credits)

This course is intended for upper division students majoring in Electronics Engineering Technology as well as Information Systems Technology. This course introduces the study of advanced microprocessor design. Students will learn the basic organization of computer systems including instruction-set architecture, execution pipeline, memory hierarchy, virtual memory, and I/O subsystems. Students also learn advanced processor microarchitecture issues such as dynamic instruction scheduling, branch prediction, lock-up free caches, instruction-level parallelism, multiple instruction fetch/issuing, speculative execution, etc. to improve computer processor performance. Students will experimentally verify microarchitecture designs using industry standard microarchitecture simulators. (2 hr. lecture, 4 hr. lab)

CET 3383C Software Engineering I (4 credits)

This upper division course is for students majoring in B.S. in Information Systems Technology or B.S. in Electrical and Computer Engineering Technology. The student will learn the basic principles and concepts of software engineering; system requirements; modeling and testing; object-oriented analysis and design; testing and validation; configuration management; and the analysis, design and programming of extensible software systems. Prerequisite: CET2369C or COP2800. (2 hr. lecture, 4 hr. lab)

CGS 1060C Introduction to Computer Technology and Applications (4 credits)

This course provides the technology skills required for personal, academic and professional success. Students will learn essential computing concepts and skills including mobile productivity, cloud services, security, ethics, general programming concepts,

email, web, operating systems, and the use of an office suite. The course satisfies the College's computer competency requirement. (3 hr. lecture, 2 hr. lab)

CIS 4891 Cyber Security Capstone Project (4 credits)

This upper-division course requires students to apply the knowledge and skills acquired for a cyber security project. Students will assess risk and define the cyber security requirements for a real-world scenario. Then they will design, implement and test the necessary cyber defenses to reduce the risk to an acceptable level in an emulated IT environment. Must be taken during the last semester before graduation and with a departmental permission. Prerequisite(s): Senior status. Department approval required. Laboratory fee. (3 hr. lecture, 2 hr. lab)

COP 1334 Introduction to C++ Programming (4 credits)

This course is designed for students in technology majors who require a foundation in computer programming. Students will learn the syntax and rules of the C++ language, including how to code, compile, debug and execute programs. Students will learn program design, structured and modular programming, arrays, and file processing. No previous computer courses are required although CGS 1060C is recommended. (3 hr. lecture, 2 hr. lab)

CTS 1145 Cloud Essentials (4 credits)

This course provides knowledge of Cloud computing concepts, services, architecture, system integration, connectivity, data center migration, administration, security, and technical support. Coverage includes preparation for the CompTIA Cloud Essentials certification examination. (3 hr. lecture, 2 hr. lab)

CTS 2314 Network Defense and Countermeasures (4 credits)

In this course, students will take an in-depth look at network defense concepts and techniques. Coverage includes network defensive concepts; policy development; problem solving; and implementation of firewalls, DMZ, VPN, IDS, NAT and proxy servers. Prerequisites: CTS1120 and CTS1134. Laboratory Fee. (3 hr. lecture, 2 hr. lab)

PAGE 178-183:**Criminal Justice****CJE 2400 Race and the Criminal Justice System (3 credits)**

This course will provide a focused review of the history of policing racial and ethnic communities in America and provide context to understanding fears, attitudes, and perceptions of Police by racial and ethnic communities. It is designed for the entry-level criminal justice practitioner and beginning student interested in entering the field. (3 hr. lecture)

DSC 2501 Effective Communication Skills for Security Professionals (3 credits)

This course will provide a focused review and practice for effective writing within the intelligence community. The student will learn the basic elements necessary for effective writing in any situation or any type of report specifically within the intelligence community. It is designed for the entry-level criminal justice practitioner and beginning student interested in entering the field. Prerequisite: ENC1101. (3 hr. lecture)

PAGE 192:**Education****EEC 2202 Early Childhood Education Curricula (3 credits)**

The student will review historical perspectives and theories utilized in designing early childhood curriculums and examine best practices for early childhood education (birth- age 5). The student will examine philosophies, approaches to teaching and theories of learning which have influenced curriculum development in early childhood education. The student will analyze characteristics of foundational curriculum models and current trends and their influence on the development of early childhood curriculum implementation and program policies. (3 hr. lecture)

EEC 2224 Emergent Literacy (3 credits)

The student will learn about language and literacy development for young children birth through five years of age. Students will examine the development of listening and understanding, speaking, vocabulary, and emergent reading and writing skills. The student will analyze the teacher's role and methods of creating a literacy-rich environment that engages children in creative, developmentally appropriate experiences and the importance of involving families in the development of these skills. (3 hr. lecture)

EEC 2401 Family Interaction and Cultural Continuity through Literacy (3 credits)

The student will learn about how language and literacy practices help establish positive and productive relationships with the families and children in their classroom and program. The student will use literacy experiences to develop culturally responsive, trusting, supportive reciprocal relationships with young children, their families, and their communities. The student will understand how to promote cultural continuity in the early childhood (birth- age 5) setting through language and literacy practices. (3 hr. lecture)

EEC 2601 Observation and Assessment in Early Childhood (3 credits)

The student will learn how to implement a system of ongoing child observation and assessment for children from all young children from birth to age five. The student will understand the importance of and strategies for planning and preparing for an effective system of ongoing child assessment to inform their teaching, improve children's learning, and provide information and opportunities for individualizing ongoing assessment strategies for children who are dual language learners and children with special needs. The student will learn how to use a variety of assessment tools related to language, literacy and school readiness. (3 hr. lecture)

PAGE 225-226:
Foreign Languages (In Translation)
FOT 2821 Introduction to Interpretation (3 credits)

The acquisition and development of skills to sight translate a text from the source to the target language. Training in the conceptualization and analysis of an oral message to transfer its content to another language consecutively. Preparatory exercises for the development of simultaneous interpretation skills. (3 hr. lecture)

FOT 2822 Court Interpreting Skills (3 credits)

This course continues with the type of interpreting exercises performed in prior courses (sight, consecutive and simultaneous interpreting) as it specifically applies to the U.S. judicial system. It further provides a specialized vocabulary (terminology) needed to function within this particular setting. (3 hr. lecture)

FOT 2826 Legal Translation (3 credits)

This course further develops translation strategies and skills while familiarizing with the characteristics of English and Spanish legal discourse. This includes knowledge of specialized legal terms and related linguistic structures so that students can accurately translate legal documents from English to Spanish and Spanish to English. Terminology research and glossary development through the use of pertinent sources will also be addressed in depth. (3 hr. lecture)

PAGE 225-226:
French Language and Literature
FRE 1120 Elementary French 1 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in French. Note: Students must pass this course with a C or better to continue to FRE1121. (4 hr. lecture)

FRE 1121 Elementary French 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in French. Note: Students must pass this course with a C or better to continue to FRE2220. Prerequisite: FRE1120. (4 hr. lecture)

PAGE 227:
Funeral Service Education

FSE 2203C Funeral Home Applications (4 credits)

PAGE 229:
German Language
GER 1120 Elementary German 1 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in German. Note: Students must pass this course with a C or better to continue to GER1121. (4 hr. lecture)

GER 1121 Elementary German 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in German. Note: Students must pass this course with a C or better to continue to GER2220. Prerequisite: German 1120. (4 hr. lecture)

**PAGE 244:
Management**
MAN 4523 Production Information Systems (3 credits)

This course presents the fundamental aspects of computer technology required by the systems that provide data to, and derive information from, production in manufacturing. Students will learn the techniques to organize, store, manipulate data, report, derive and analyze production information, basics networking used in production, as well as various forms of information systems. (3 hr. lecture)

PAGE 242-243:
Italian Language
ITA 1120 Elementary Italian 1 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in Italian. Note: Students must pass this course with a C or better to continue to ITA1121. (4 hr. lecture)

ITA 1121 Elementary Italian 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in Italian. Note: Students must pass this course with a C or better to continue to ITA2220. Prerequisite: ITA1120. (4 hr. lecture)

PAGE 243:
Japanese Language
JPN 1120 Elementary Japanese 1 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in Japanese. Note: Students must pass this course with a C or better to continue to JPN1121. (4 hr. lecture)

JPN 1121 Elementary Japanese 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in Japanese. Note: Students must pass this course with a C or better to continue to JPN2220. Prerequisite: Japanese 1120. (4 hr. lecture)

PAGE 248:
Marketing
MAR 4203 Supply Chain Marketing (3 credits)

Students will learn the management of traditional and emerging marketing channels, with emphasis on legal, economic, and ethical considerations in wholesale and retail inventory control, raw goods, finished product transportation and relationship management. Prerequisites: MAN 3506. (3 hr. lecture)

PAGE 272-273:
Nuclear Medicine

NMT 1002L	Introduction to Nuclear Medicine Laboratory	(2 credits)
NMT1312C	Radiation Protection	(2 credits)
NMT1713C	Nuclear Medicine Procedures 1	(2 credits)
NMT 2102	Nuclear Medicine Administration	(1 credit)
NMT2130C	Nuclear Medicine Pharmacology	(2 credits)
NMT2534C	Nuclear Medicine Instruction	(2 credits)
NMT 2573	Nuclear Medicine QA/QC	(2 credits)
NMT 2613	Nuclear Medicine Physics and Mathematical Applications	(3 credits)
NMT2723C	Nuclear Medicine Procedures 2	(2 credits)

PAGE 281:**Physical Therapist Assistant**

PHT 2820 Clinical Practice and Conference II

PAGE 287:**Portuguese Language****POR 1120 Elementary Portuguese 1 (4 credits)**

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in Portuguese. Note: Students must pass this course with a C or better to continue to POR1121. (4 hr. lecture)

POR 1121 Elementary Portuguese 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in Portuguese. Note: Students must pass this course with a C or better to continue to POR2220. Prerequisite: Portuguese 1120. (4 hr. lecture)

PAGE 294:**Russian Language****RUS 1120 Elementary Russian 1 (4 credits)**

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in Russian. Note: Students must pass this course with a C or better to continue to RUS1121. (4 hr. lecture)

RUS 1121 Elementary Russian 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in Russian. Prerequisite: Russian 1120. (4 hr. lecture)

PAGE 298:**Spanish Language and Literature****SPN 1120 Elementary Spanish 1 (4 credits)**

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice mid-level in Spanish. Note: Students must pass this course with a C or better to continue to SPN1121. (4 hr. lecture)

SPN 1121 Elementary Spanish 2 (4 credits)

In this course, the student will be able to develop socially and culturally appropriate proficiency in interpersonal, interpretive, and presentational modes at the novice high level in Spanish. Note: Students must pass this course with a C or better to continue to SPN2220. Prerequisite: SPN1120. (4 hr. lecture)

PAGE 299:**Speech Communication****SPC 1017 Introduction to Communication (3 credits)**

Students will develop conceptual knowledge and practical skills needed for effective verbal and nonverbal communication in interpersonal, intercultural, small-group, and public communication contexts enabling students to communicate successfully in personal, professional, educational, social, and civic settings. Gordon Rule assigned. Special fee. (3 hr. lecture)

Course Deletions

Effective Spring 2021 (2213) the following courses are no longer offered at MDC:

College Credit Courses		
Prefix	Number	Course Title
BRC	1059	Diversity Awareness and Customer Service3 credits
BRC	2266	Affordable Housing and Community3 credits
BRC	2267	Fair Housing and Fair Lending3 credits
BRC	2268	Mortgage Loan Servicing and Quality3 credits
BRC	2353	Marketing for Financial Institutions2 credits
BRC	2941	Field Experience in Mortgage Finance3 credit
CHM	3610	Advanced Organic Chemistry
EDG	2316	Introduction to Teaching Mathematics and Science for Paraprofessionals
EDG	2370	Introduction to Teaching Reading and Language Arts for Paraprofessionals
MAN	1023	Management for Non-Profit Organization
MAN	2930	Creative Leadership
MAR	1053	Marketing for Non-Profit Organizations
MAR	1211	Inventory and Warehouse Management
MAR	2141	Export/Import Marketing
MAR	2154	International Trade
MET	3702	General Meteorology
MNA	1322	Training Methods
NMT	1002	Introduction Nuclear Medicine
OCE	3014	Survey of Oceanography
PHY	3101	Modern Physics3 credits
PHY	4220	Classical Mechanics3 credits
PHY	4424	Geometrical and Physical Optics
SON	2910L	Directed Research
SON	2931L	Film Critique 1
SON	2932L	Film Critique 2
SON	2933L	Film Critique 3
SON	2934L	Film Critique 4
TPA	1202	Introduction to Entertainment Technology
TPA	1215	Audio-Visual, Multi-media
TPA	1225	Automation and Computers
TPA	1253	Entertainment Technology: Technician 1
TPA	1254	Entertainment Technology: Technician 2
TPA	1255	Concert & Stage Lighting
TPA	1260	Concert & Stage Sound
TPA	1274	Properties Practical's Non-Electrified Special Effect
TPA	1275	Special Effects-Electrified Laser & Pyrotechnics
TPA	2256	Costumes and Makeup

TPA	2276	Entertainment Technology: Crafts 1
TPA	2277	Crafts 2
Career Technical Credit Courses		
Prefix	Number	Course Title
ACO	0101	Accounting 1
BUL	0243	Business Law 1
EEV	0002	Electronic Circuit Analysis
EEV	0520C	Microprocessor Systems
EEV	0561	Microcomputer Maintenance & Repair 1
EEV	0562	Microcomputer Maintenance& Repair 2
EEV	0811	D.C. Analysis
EEV	0812	A.C. Analysis
EEV	0813	Solid State Components and Circuits
EEV	0814	Analog Circuits
EEV	0815	Digital Fundamentals
EEV	0821	Electronic Fundamentals
EEV	0856	TV Circuit Analysis
GEB	0036	Entrepreneurship and Private Enterprise System
GRA	0420	Computer Graphic Design
GRA	0441	Graphic Reproduction Processing
GRA	0445	Graphic Arts Critical Thinking
GRA	0451	Graphic Photography Processes
GRA	0460	Graphic Design 1
GRA	0461	Graphic Design 2
GRA	0462	Graphic Design 3
GRA	0463	Graphic Design 4
GRA	0464	Advanced Electronic Imaging
GRA	0482	Graphic Arts Estimating 1
GRA	0485	Graphic Arts Math Computations
GRA	0948	Co-Op Work Experience: GRA
GRV	0540	Advanced Electronic Publishing
HIM	0061	Medical Record Transcription 1
HIM	0061L	Medical Record Transcription Applications 1
HIM	0062	Medical Record Transcription 2
HIM	0062L	Medical Record Transcription Applications 2
HIM	0063	Medical Record Transcription 3
HIM	0063L	Medical Record Transcription Applications 3
HIM	0470	Basic Medical Terminology
HIM	0471	Clinical Terminology
HIM	0615	Computer Operations for Medical Applications
HIM	0801	Medical Record Transcription Clinical Practice
MAN	0001	Introduction to Management

MAN	0005	Effective Supervision
OTA	0101	Beginning Keyboarding
OTA	0303	Writing for Business
OTA	0421	Office Procedures 1
RTT	0002	Broadcast News
RTT	0003	Careers in Video
RTT	0170	Television Graphics Procedures
RTT	0176	TV Production Procedures 2
RTT	0177	Field Production Procedures 1
RTT	0178	Field Production Procedures 2
RTT	0181	TV Production Procedures 1
RTT	0182	Television Directing Procedures
RTT	0184	TV Editing Procedures
RTT	0189	TV Film Computer Applications Procedures
RTT	0193	Advanced Editing Procedures
RTT	0201	Radio Productions
RTT	0400	TV Master Control Operations
RTT	0940	Television Studio Internship 1
SCY	0010	Surety Agent