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ACADEMIC BRIEFING

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This publication is to inform other colleges and universities about pertinent course/curriculum revisions which may affect articulation. Most changes will be reflected in the catalog for the forthcoming (2018-2019) academic year. The new catalog will be available from Oakton’s home page (www.oakton.edu) beginning in July of 2018.

An electronic version of this document may be found online at:
www.oakton.edu/about/instpubs/academic_briefing_2018.pdf.

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SECTION I

CORRECTIONS/UPDATES TO THE 2018-19 CATALOG

GRAPHIC DESIGN

ART 259 Introduction to Web Design

Change recommendation to: Experience using Photoshop

SECTION II

COURSE & CURRICULUM CHANGES INCLUDED IN 2018-2019 CATALOG

ASSOCIATE DEGREES – TRANSFER AND CTE PROGRAMS

Curriculum revision

Add U.S. Diversity Studies requirement to all degrees. Total semester credit hours remain the same.

Area G	U.S. Diversity Studies** One course that satisfies U.S. Diversity Studies requirement	0-3
<i>**Students may take a U.S. Diversity course that satisfies both Area G and other Areas requirements</i>		

ASSOCIATE IN GENERAL STUDIES (A.G.S.)

Curriculum addition

Add a 60-semester-credit-hour Associate in General Studies (A.G.S.) Degree (# 0600)

ASSOCIATE IN SCIENCE DEGREE (A.S.)

Curriculum revision

Associate in Science Degree (#0650) – create two tracks:

- (1) Associate in Science degree for Math and Computer Science – requirements remain the same
- (2) Associate in Science degree for Science – change requirements

Total semester credit hours remain the same.

ACCOUNTING

Curricula revisions

Accounting A.A.S. (# 0005) – change requirements; total credit hours remain the same.

Accounting Associate Certificate (# 0003) – change requirements; total credit hours remain the same.

Accounting Technology Certificate (#0004) – change requirements; total credit hours remain the same.

Income Tax Preparation Certificate (# 0007) – change requirements; total credit hours remain the same.

Course addition

ACC 188 Cloud Accounting

3:3:0

Course uses cloud systems to perform accounting functions for service and merchandising entities. Google Sheets are used to prepare transaction analysis and financial statements. Excel 365 is used to perform the entire accounting cycle, including the statement of cash flows. QuickBooks Online is used for accounting functions related to company setup, customers, vendors, inventory tracking, sales tax, bank reconciliations, adjusting entries, and financial reporting. Other cloud accounting platforms may

be introduced. Google Drive and Microsoft One Drive are used for file sharing. Prior experience with accounting software is not required.

Recommended: ACC 153 or prior accounting knowledge

Course revision

ACC 100 Small Business Accounting Procedures

Change course title to: Accounting Procedures

Change course description to:

Course introduces fundamental accounting procedures to complete the accounting cycle, including business transactions, adjusting entries, financial statements, and closing procedures. Also integrated are reconciliation of bank statements, examination of internal controls, and payroll procedures. This non-transfer course is intended for those students who want to learn basic accounting or for those who need preparation before enrolling in ACC 153.

ART & DESIGN

Course revisions

ART 243 Life Drawing I

Change course title to: **Figure Drawing I**

Change prerequisite to: ART 131 or consent of instructor or department chair.

ART 253 Life Drawing II

Change title to: **Figure Drawing II**

Change course description to:

Course advances further development of structural and compositional skills in figure drawing.

AUTOMOTIVE TECHNOLOGY

Curricula revisions

Automotive Technology (Apprenticeship) A.A.S. Degree (#0031) – change degree title to: Automotive Technology A.A.S.

Automotive Technology (Apprenticeship) Certificate (#0030) – change certificate title to: Automotive Technology Certificate

BIOLOGY

Course additions

BIO 107 Ecological Restoration

4:3:3

Laboratory course provides a broad overview of ecological restoration principles and practices by exploring the plant and animal communities found on Oakton's campus and learning practices for restoring them to ecological health. Activities emphasize identifying and learning about native plant and animal communities and the natural and artificial processes that affect their survival, reproduction, and population dynamics. Students will participate in identifying species and assemblages; monitoring plant and animal populations; collecting and mapping spatial data; managing invasive plants; and revegetating land with seeds and plantings. Recommended: One year of high school biology.

BIO 109 Plants and Society**3:3:0**

Course focuses on biological aspects of the plant kingdom and connections to human beings, with topics ranging from sub-cellular processes to ecological roles. Content includes structural and physiological adaptations, present and past diversity, reproduction, genetics and evolution, ecological interactions, and importance to human agriculture, medicine, general welfare and society.

Recommended: One year of high school biology.

IAI General Education: L1 901

Course revision**BIO 114 Basic Human Anatomy and Physiology**

Add prerequisite: 1 year of high school biology within last five years or one semester of college biology or the equivalent, with minimum grade of C.

Add recommendation: 1 year high school chemistry within last five years or one semester of college chemistry or the equivalent, with minimum grade of C, and completion of HIT 104 with minimum grade of C.

Course withdrawal

BIO 170 Human Aging

BUSINESS***Course withdrawal***

BUS 249 Introduction to ERP Systems

COMPUTER APPLICATIONS FOR BUSINESS***Curricula revisions***

Computer Applications for Business A.A.S. (#0301) – change major requirements from 25 to 24 credit hours. Change credit hours for Creative Software Track from 17 to 18. Change credit hours for Office Technology Track from 17 to 18. Total credit hours remain the same.

Microsoft Office Specialist Certificate (#0306) – decrease total semester credit hours from 11 to 10 due to CAB 125 credit hour decrease.

Administrative Assistant Certificate (#0307) - change total semester credit hours from 25 to 24 due to CAB 125 credit hour decrease.

Office Assistant Certificate (#0308) - change total semester credit hours from 16 to 15 due to CAB 125 credit hour decrease.

Microsoft Office User Certificate (#0309) - change total semester credit hours from 7 to 6 due to CAB 125 credit hour decrease.

General Office Certificate (#0312) - change total semester credit hours from 9 to 8 due to CAB 125 credit hour decrease.

Microsoft Office Advanced Specialist Certificate (#0133) – change total semester credit hours from 15 to 14 due to CAB 125 credit hour decrease.

Executive Administrative Professional Certificate (#0233) – change total semester credit hours from 37 to 36 due to CAB 125 credit hour decrease; change recommendation for pursuing the Certificate.

Course revisions

CAB 125 Word Processing Using Word

Change credit:lecture:lab ratio to 2:2:1

Change course description to:

This course offers instruction in the use of Microsoft Word for creating, editing, and formatting a variety of personal and/or business documents. Through instruction and hands-on-application students create professional looking documents.

Recommended: CAB110 or general knowledge of Windows; and the ability to key 20 wpm or consent of the instructor.

CAB 132 Adobe Acrobat PDF

Change course description to:

Course introduces the Adobe Acrobat program to design and navigate Portable Document Format (PDF) documents. Content includes designing, editing and enhancing PDF documents, adding security, and working with forms.

COMPUTER INFORMATION SYSTEMS

Curriculum withdrawal

Digital ERP using SAP Certificate (#0123)

Course withdrawal

CIS 133 Introduction to Handheld Computers

CIS 249 Introduction to ERP Systems

CIS 261 System Configuration Using SAP

COMPUTER NETWORKING AND SYSTEMS

Curricula revisions

Computer Networking and Systems A.A.S Degree (#0142) – change degree requirements and create two tracks: (1) Cisco Track and (2) Microsoft track. Total semester credit hours remain the same.

Network Security Administrator Certificate (#0152) – change certificate requirements. Decrease total semester credit hours from 32 to 31.

Windows Server Administration Certificate (#0128) – change degree requirements. Increase total semester credit hours from 19 to 22.

Windows Support Technician Certificate (#0153) – change degree requirements. Decrease total semester credit hours from 19 to 18.

Cisco Certified Network Associate (CCNA) Certificate (#0170) – change degree requirements. Increase total semester credit hours from 16 to 18.

Curricula withdrawal

Windows Desktop Support Technician Certificate (#0122)
Network Security Certificate (#0151)

Course additions

CNS 121 Network+ Certification Preparation 1:1:0

Course focuses on CompTIA Network + Certification. Students may use this course as a prep course leading to the certification.

CNS 122 Microsoft MCSA Client 1 Certification Preparation 1:1:0

Course focuses on first Microsoft Certified Solutions Associate (MCSA) Desktop Certification. Students may use this course as a prep course leading to the certification.

CNS 123 Microsoft MCSA Client 2 Certification Preparation 1:1:0

Course focuses on second Microsoft Certified Solutions Associate (MCSA) Desktop Certification. Students may use this course as a prep course leading to the certification.

CNS 124 Microsoft MCSA Server 1 Certification Preparation 1:1:0

Course focuses on first Microsoft Certified Solutions Associate (MCSA) Server Certification. Students may use this course as a prep course leading to the certification

CNS 125 Microsoft MCSA Server 2 Certification Preparation 1:1:0

Course focuses on second Microsoft Certified Solutions Associate (MCSA) Server Certification. Students may use this course as a prep course leading to the certification.

CNS 126 Microsoft MCSA Server 3 Certification Preparation 1:1:0

Course focuses on third Microsoft Certified Solutions Associate (MCSA) Server Certification. Students may use this course as a prep course leading to the certification.

CNS 127 Microsoft MCSE Server 1 Certification Preparation 1:1:0

Course focuses on first Microsoft Certified Solutions Expert (MCSE) Server Certification. Students may use this course as a prep course leading to the certification.

CNS 128 Microsoft MCSE Server 2 Certification Preparation 1:1:0

Course focuses on second Microsoft Certified Solutions Expert (MCSE) Server Certification. Students may use this course as a prep course leading to the certification.

CNS 148 Cisco CCENT Certification Preparation 1:1:0

Course focuses on Cisco Certified Entry Networking Technician (CCENT) Certification. Students may use this course as a prep course leading to the certification.

CNS 149 Cisco CCNA Certification Preparation**1:1:0**

Course focuses on Cisco Certified Network Associate (CCNA) Certification. Students may use this course as a prep course leading to the certification.

*Course revisions***CNS 107 Internet Protocol Internetworking**

Change credit:lecture:lab ratio to 1:1:0

CNS 110 Microsoft Windows Desktop Operating System

Change course title to: **Windows Client Desktop 1**

Change course description to:

Course presents most recent release of Microsoft Windows Desktop Operating System (OS). Topics include knowledge and skills required to install and configure Windows OS desktops and devices in a corporate Windows Server domain environment. The skills that this course details include learning how to install and customize Windows operating systems and apps, and configure local and remote network connectivity and storage. Students also will learn how to configure security for data, devices, and networks, and maintain, update, and recover Windows OS. Course maps to Implementing and Managing Windows 10.

CNS 111 Microsoft Windows Server Operating System

Change course title to: **Windows Server 1**

Change course description to:

Course presents part one in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2016 in an existing enterprise environment. This course focuses on the necessary administrative responsibilities, such as implementing server images, planning and configuring storage solutions, and monitoring virtual machine installations. Course maps to Microsoft Installation, Storage, and Compute with Windows Server 2016.

Change recommendation to: CNS110 or CompTIA Network+ certification or consent of instructor, coordinator or program chair.

CNS 114 Microsoft Managing a Windows Server Operating System

Change course title to: **Windows Server 2**

Change course description to:

Course presents part two in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2016 infrastructure in an existing enterprise environment. This course focuses on the fundamental networking skills required to deploy and support Windows Server 2016 in most organizations. Students will review IP fundamentals, remote access technologies, and more advanced content including software-defined networking (SDN). Course maps to Networking with Windows Server 2016.

CNS 116 Microsoft Implementing and Maintaining Windows Network Infrastructure

Change course title to: **Windows Server 3**

Change credit:lecture:lab ratio to 3:3:1

Change course description to: Course presents part three in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2016 infrastructure in an existing enterprise environment. This course focuses on how to deploy and configure Active Directory Domain Services (AD DS) in a distributed environment, implement Group Policy, perform backup and restore, monitor and troubleshoot AD-related issues with Windows Server 2016, and to

deploy AD server roles such as Active Directory Federation Services (AD FS) and Active Directory Certificate Services (AD CS). Course maps to Microsoft Identity with Windows Server 2016. Change recommendation to: CNS 114 or consent of instructor, coordinator or program chair.

CNS 117 Microsoft Planning and Optimizing Windows Network Infrastructure

Change course title to: **Advanced Windows Server 1**

Change course description to:

Course presents part one in a series of two courses that provides the skills and knowledge necessary to design and implement a Windows Server 2012 R2 infrastructure in an enterprise environment. This course covers the knowledge and skills needed to provide an enterprise solution that supports manual and automated server installations in a physical and virtual environment including the supporting file and storage services. Students will learn the skills necessary to provide enterprise networking solutions such as DHCP, IPAM, VPN, and DirectAccess. Students will also learn the skills necessary to design and implement a forest and domain infrastructure including multi domains/forest and branch office scenarios. Course maps to Microsoft Designing and Implementing a Server Infrastructure.

Change recommended to prerequisite: CNS 116 or consent of instructor, coordinator or program chair.

CNS 120 Microsoft Planning, Implementing and Maintaining Windows Active Directory

Change course title to: **Advanced Windows Server 2**

Change course description to:

Course presents part two in a series of two courses that provides the skills and knowledge necessary to design and implement a Windows Server 2012 R2 infrastructure in an enterprise environment. This course covers the knowledge and skills to plan and implement a highly available, secure infrastructure with focus on Active Directory® Federation Service (AD FS), public key infrastructure (PKI), and Active Directory Rights Management Services (AD RMS). Students will also learn the skills needed to plan and deploy virtual machines including self-service and automation of virtual machine deployments as well as planning and implementing a monitoring strategy that includes Microsoft® System Center 2012 R2-Operations Manager. Course maps to Microsoft Implementing an Advanced Server Infrastructure.

CNS 141 Cisco Introduction to Networks

Change credit:lecture:lab ratio to 3:3:1

CNS 142 Cisco Routing and Switching Essentials

Change credit:lecture:lab ratio to 3:3:1

CNS 143 Cisco Scaling Networks

Change credit:lecture:lab ratio to 3:3:1

CNS 144 Cisco Connecting Networks

Change credit:lecture:lab ratio to 3:3:1

CNS 150 Microsoft Windows Desktop Technician

Change course title to: Windows Client Desktop 2

Change credit:lecture:lab ratio to 3:3:1

Change course description to:

Course presents most recent release of Microsoft Windows Desktop Operating System (OS). Topics include knowledge and skills required to deploy and manage Windows 10 desktops, devices, and

applications in an enterprise environment. Students learn how to plan and implement Windows 10 deployments in large organizations. Students also learn how to manage the Windows 10 installations after deployment to provide secure identity and data access using technologies related to Group Policy, Remote Access, and Workplace Join. Course maps to Microsoft Deploying and Managing Windows 10 Using Enterprise Services course.

CNS 181 Implementing Cisco Network Security

Change Credit:lecture:lab ratio to 3:3:1

Change course description to:

Course provides the knowledge and hands-on skills required to install, troubleshoot, and monitor Cisco security network devices. Students who complete this course will be prepared to sit for the Implementing Cisco Network Security (ICNS) certification exam.

Change prerequisite to: CNS 142 with a minimum grade of C or a valid CCENT or a valid CCNA R& S Certification or consent of instructor

Course withdrawal

CNS 211 Microsoft Creating and Managing a Web Server Using IIS

CNS 220 Microsoft Designing a Windows Networking Infrastructure

COMPUTER SCIENCE

Course addition

CSC 242 Python Data Structures

3:3:1

A second course in computer programming that provides a survey of data structures. Content covers: utilization of object-oriented programming design techniques to implement large-scale problems; lists, trees, tables, queues, stacks, graphs and other classes using the Python language; elementary methods of program verification and complexity analysis applied to algorithms that manipulate dynamic and static data structures; sorting and searching algorithms; abstract data types; recursion. Prerequisite: CSC 157 with minimum grade of C.

Course revisions

CSC 170 Introduction to Numerical Methods

Change course description to:

An introduction to the tools available for solving numerically intensive applications that occur in scientific and engineering fields. The study of numerical algorithms will be supported by the use of a computer algebra system. Network utilities will enable students to use the Internet for communication and learning purposes.

Change Recommendation to Prerequisite: MAT 250 and concurrent registration in CSC 171, CSC 172 or CSC 173.

CSC 204 Computer Architecture and Organization

Change course description to:

A survey of the various levels of hierarchical computer architectures and design. The analysis of internal and external memory models, busses, I/O devices, and CISC/RISC processor strategies are covered. Additional topics include the instruction formats and addressing schemes of architectures such as Intel, MIPS, ARM, and the JVM; parallel and vectorized multiprocessors and multicomputer

systems; pipelining; parallel programming; secure and optimized programming techniques; coding and compression schemes; assembly programming in MIPS and MARIE.

Add prerequisite: CSC 155, CSC 156, or CSC 157 or higher, with minimum grade of C.

Remove recommendation.

CSC 240 C++ Data Structures

Change course description to:

A second course in computer programming that provides a survey of data structures. Content covers: utilization of object-oriented programming design techniques to implement large-scale problems; lists, trees, tables, queues, stacks, graphs and other classes using the C++ language; elementary methods of program verification and complexity analysis applied to algorithms that manipulate dynamic and static data structures; sorting and searching algorithms; abstract data types; recursion.

Add prerequisite: CSC 155 with minimum of grade C.

Remove recommendation.

CSC 241 Java Data Structures

Change course description to:

A second course in computer programming that provides a survey of data structures. Content covers: utilization of object-oriented programming design techniques to implement large-scale problems; lists, trees, tables, queues, stacks, graphs and other classes using the Java language; elementary methods of program verification and complexity analysis applied to algorithms that manipulate dynamic and static data structures; sorting and searching algorithms; abstract data types; recursion.

Add prerequisite: CSC 156 with minimum grade of C.

Remove recommendation.

CSC 255 Objects and Algorithms

Change course description to:

An intermediate programming course that continues the development of object-oriented techniques and data structures with an emphasis on graphs, sets, maps, hash maps/tables, heaps, and trees; foundational analysis and design of various algorithms that exhibit recursion, backtracking, divide and conquer, greedy strategies, branch and bound, dynamic, and randomization programming techniques and number generation; cryptography; introductory parallel programming techniques; includes an analysis of time and memory complexity using discrete metrics; sorting and searching techniques. The course is offered with an option for choice of programming languages (C++ or Java or Python).

Add prerequisite: CSC 240 or CSC 241 with minimum grade of C.

Change recommendation to: MAT 144 with minimum grade of C.

EARTH SCIENCE

Course additions

EAS 190 Geographic Information Systems I

4:3:2

Course provides an introduction to digital maps, spatial analysis, and technology to explore geographic and spatial patterns. Introduces the concepts and components of a geographic information system (GIS), the basic concepts of remote sensing and Global Positioning System (GPS), and the ESRI ArcGIS® software. This course will also explore selected cases of GIS application in different disciplines to introduce students to problem solving and decision making using geospatial analysis. Students cannot receive credit for both GIS 190 and EAS 190.

EAS 191 Geographic Information Systems II**4:3:2**

The course covers geodatabase development, maintenance, organization, and editing within ESRI's ArcGIS applications. Basic features and functionality of geodatabases as well as tools for creating and editing the geometry of spatial data are covered. Students learn to create and manipulate geographic information systems (GIS) features and to explore the analytical capabilities of GIS and apply them to real-world situations, including GIS projects developed by public safety officials, public works departments, planners, geographers, resource managers, engineers, and other industry professionals. Students cannot receive credit for both GIS 191 and EAS 191.

EDUCATION*Course addition***EDN 201 Educational Psychology****3:3:0**

Course focuses on application of psychological principles to educational practice. Content includes cognitive and psychological development, human learning, and motivation, with emphasis on application for learner-centered instruction, assessment, and diversity. Twelve hours in local, K-12 school settings are required. Students cannot receive credit for both EDN 201 and PSY 201. Recommended: PSY 101

ENGLISH*Course revisions***EGL 091 Vocabulary Improvement for ESL Students**

Change course description to:

High intermediate to advanced course on learning, remembering, and using English vocabulary. Students will learn multiple strategies to identify, memorize, and use academic vocabulary to increase reading comprehension and improve writing.

EGL 092 Reading and Academic Skills Development

Change course description to:

Course introduces student-success strategies, helps students develop reading proficiency with comprehension/vocabulary, and helps students become more active, reflective, and strategic readers. Emphasis is on approaches to reading that apply to courses across the disciplines.

EGL 097 Developmental Composition II

Change prerequisite to: Placement test or successful completion of EGL 096.

EGL 099 Skills in Written English: Writing Tutorial

Change title to: **Composition Tutorial**

Change credit:lecture:lab ratio to 2:2:0

Change course description to:

Course allows students who place into developmental writing to take both developmental writing and EGL 101 at the same time. Content supplements instruction in EGL 101, providing more individualized instruction and support in college readiness, critical reading, college-level writing, and analysis.

Change prerequisite to: Placement test or successful completion of EGL 096. Co-enrollment in EGL 101.

EGL 110 Effective College Reading

Change course description to:

Course helps students further develop reading proficiency to an advanced college-level with comprehension, vocabulary, and critical reading, and helps students become more active, reflective, and strategic readers. Emphasis is on approaches to reading that apply to college-level courses across the disciplines.

EGL 230 Non-Western Literature in English

Change course code from EGL 230 to EGL 130

Change course title to: **Introduction to Global Literature**

Change course description to:

Course introduces students to literature in English by writers from countries, cultures or regions outside of the United States and Britain, such as Asia, Africa, the Caribbean, the Middle-East and/or Latin America. Content includes social, historical, and cultural contexts of literary works; relationship of these writers to literary traditions; terminology and methods of literary analysis and evaluation.

Remove prerequisite.

EGL 224 American Ethnic Literature

Change course code from EGL 224 to EGL 131

Change course title to: **Multicultural Literature in the US**

Change course description to:

Course explores the literary expressions of at least three minority ethnic, racial, religious or national groups of the United States, such as Chicano, Italian-American, Jewish-American, Muslim-American, Irish-American, Asian-American, Native American and/or African-American. Content includes study of social, historical and literary context, and terminology and methods of literary analysis and evaluation.

Remove prerequisite.

EGL 225 Women and Literature

Change course code from EGL 225 to EGL 133

Change course description to:

Course introduces fiction, poetry, and drama by diverse women writers from around the world. Content includes social, cultural, literary and historical contexts; terminology and methods of literary analysis and evaluation.

Remove prerequisite.

EGL 226 African-American Literature

Change course code from EGL 226 to EGL 134

Change course title to: **Introduction to African-American Literature**

Change course description to:

Course introduces fiction, poetry, and drama by African-American writers. Content includes social, cultural, historical, and literary contexts; comparable themes in popular culture; terminology and methods of literary analysis and evaluation.

Remove prerequisite.

EGL 227 Introduction to Native American Literature

Change course code from EGL227 to EGL 135

Remove prerequisite.

EGL 228 Gender, Identity and Literature

Change course code from EGL 228 to EGL 132. Remove prerequisite.

Course withdrawal

EGL 224 American Ethnic Literature
EGL 225 Women and Literature
EGL 226 African-American Literature
EGL 227 Introduction to Native American Literature
EGL 228 Gender, Identity and Literature
EGL 230 Non-Western Literature in English

FIRE SCIENCE

Curriculum addition

Add an 8-semester-credit-hour Emergency Medical Technician Basic Certificate (# 0184)

Course revision

FIR 285 Blue Card – Incident Command
Change prerequisite to: Consent of instructor

GEOGRAPHIC INFORMATION SYSTEMS

Course revisions

GIS 190 GIS Technology I

Change course title to: **Geographic Information Systems I**

Change course description to:

Course provides an introduction to digital maps, spatial analysis, and technology to explore geographic and spatial patterns. Introduces the concepts and components of a geographic information system (GIS), the basic concepts of remote sensing and Global Positioning System (GPS), and the ESRI ArcGIS® software. This course will also explore selected cases of GIS application in different disciplines to introduce students to problem solving and decision making using geospatial analysis. Students cannot receive credit for both GIS 190 and EAS 190.

GIS 191 GIS Technology II

Change course title to: **Geographic Information Systems II**

Change course description to:

The course covers geodatabase development, maintenance, organization, and editing within ESRI's ArcGIS applications. Basic features and functionality of geodatabases as well as tools for creating and editing the geometry of spatial data are covered. Students learn to create and manipulate geographic information systems (GIS) features and to explore the analytical capabilities of GIS and apply them to real-world situations, including GIS projects developed by public safety officials, public works departments, planners, geographers, resource managers, engineers, and other industry professionals. Students cannot receive credit for both GIS 191 and EAS 191.

GLOBAL STUDIES CONCENTRATION

Concentration revision

Global Studies Concentration – change requirements and catalog description. Reduce total semester credit hours from 18-19 to 15-16.

GRAPHIC DESIGN / ART

Course revisions

ART 216 Digital Imaging

Change course title to: **Introduction to Digital Imaging**

ART 224 Graphic Design I

Change course title to: **Introduction to Graphic Design**

ART 225 Graphic Design and Typography

Change course title to: **Graphic Design Layout and Typography**

Change course description to:

Course examines common graphic tools available in layout design, typography, and underlying design principles. Content includes typography and type design, ways of using illustrations and photographs in layouts, basic tools of graphic design for specific desktop publishing projects, properties of letter forms and converting letter forms into legible work. Student project to create type, modify it, and add it to existing fonts. Course project oriented and uses software for manipulation of layouts and typography for purpose of making final output. Adobe InDesign used as the main software.

ART 250 Computer Art

Change course title to: **Introduction to Computer Art**

Change course description to:

Course provides hands-on experience with graphic arts, using computer as primary tool for generation and manipulation of visual images. Content includes use of computer hardware, software as well as additional peripheral components as media to create, store, sort, alter, combine and otherwise manipulate images as ideas for use in both fine and applied art and design. Corel Painter used as the main software.

ART 259 Web Graphics Page Design

Change course title to: **Introduction to Web Design**

Change course description to:

Course covers the creation and use of graphics in web page design and production. Content includes fundamentals of graphic production, basic layout design principles, and HTML/CSS development for the web.

ART 260 3-D Animation and Multimedia

Change course title to: **Introduction to 3D Animation and Multimedia**

ART 261 3-D Advanced Animation and Multimedia

Change course title to: **Advanced 3D Animation and Multimedia**

Change course description to:

Course presents working knowledge of 3D animation production. Topics include modeling, texturing, animation, lighting and rendering. Students create complex animation sequences including mechanical and character animations. Autodesk Maya used as the main software.

ART 263 Computer Graphics and Video in Multimedia

Change course title to: **Introduction to Motion Graphics**

Change course description to:

Course explores methods used in professional video and film production and post-production. Content includes storyboard, structure, and production of short video piece. Integration of computer-generated material, such as 2D and 3D graphics, typography and animation will be edited together with photography and video. Focus is on software manipulation, including special effect techniques such as compositing and rotoscoping. Practical considerations of graphic format, resolution, color and saturation limitation are explored. Key peripherals explained in context of real world production situations. Adobe AfterEffects used as the main software.

Change the prerequisite to: GRD 250 or consent of the instructor

ART 267 Web Layout Design and Typography

Change course title to: **Web Design Layout and Typography**

Change course description to:

Course covers applications of common graphic tools available in web layout design and typography. Content includes artistic principles and techniques of web page design and layout, and examination of graphic design process from concept to production.

ART 268 Advanced Web Animation and Multimedia I

Change course title to: **Digital 2D Animation and Multimedia**

Change course description to:

Course introduces students to digital animation techniques and principles. Students apply the principles of animation by creating object/shape-based keyframe animations and hand-drawn frame by frame animations. Several Adobe applications used to create animations for the course, including Photoshop, Animate and/or After Effects.

Change prerequisite to: ART 216 or consent of instructor

ART 270 3D Illustration

Change course description to:

Course covers fundamentals of creating imagery with 3D software. Content includes traditional use of media and compositional skills combined with technical material necessary to produce computer-generated illustrative art. Final output involves large size printing. Autodesk 3ds Max used as the main software.

ART 273 Advanced Web Animation and Multimedia II

Change course title to: **Animation for the Web**

Change course description to:

Course examines animation techniques for the web by combining graphic animation tools and techniques with accepted principles of web design, layout and typography. Content includes interaction design and animation to create web sites with enhanced interactivity and multimedia integration.

Change prerequisite to ART 259.

ART 274 Game Modeling and Character Development

Change course description to:

Course explores character design and development, 3D modeling and texturing specific to games and post-production. Content includes character animation involving looping, character interaction and timing, modeling and texturing in different resolutions, and vertex coloring. Autodesk Maya used as the main software.

GRD 251 Graphic Design Practicum

Change prerequisite to:

Completion of 24 credits in required courses and 6 credits in specified electives in A.A.S. Graphic Design degree, all with minimum grades of C, and consent of department chair. Student must secure placement at a business approved by department chair in order to register for the course.

HEALTH INFORMATION TECHNOLOGY

Curriculum revision

Medical Coding and Billing Certificate (#0288) – revise admission requirements; total semester credit hours remain the same.

Course revisions

HIT 115 Insurance Procedures for the Medical Office: Medicare

Change prerequisite to: HIT 111 and HIT 170 with minimum grade of C; and HIT 120 with minimum grade of C or concurrent enrollment in HIT 120

HIT 116 Insurance Procedures for the Medical Office: Non-Medicare

Change prerequisite to: HIT 111 and HIT 170 with minimum grade of C; and HIT 120 with minimum grade of C or concurrent enrollment in HIT 120

HIT 120 Evaluation and Management Coding in CPT

Change prerequisite to: HIT 170 with minimum grade of C or consent of instructor

HIT 121 Fundamentals of Health Information Management

Change course description to:

Course examines health information management profession, healthcare delivery systems, health information functions, purpose, and users, health record content and documentation, data management, secondary data sources, overview of legal issues in health information management, data privacy and confidentiality and healthcare statistics.

Change recommendation to: Experience with Microsoft Office software.

HIT 251 Health Information Technology Practice I

Change course description to:

Course contains health information Professional Practice Experience (PPE) in a variety of healthcare facilities and other health information related organizations. Opportunity to gain knowledge and skill in health information and health information-related functions such as: healthcare regulatory, billing and reimbursement, and utilization of related software.

HIT 252 Health Information Technology Practice II

Change course description to:

Course continues HIT 251. Course contains health information Professional Practice Experience (PPE) in a variety of healthcare facilities and other health information related organizations.

Opportunity to gain knowledge and skill in health information and health information-related functions such as: healthcare regulatory, quality, billing, reimbursement, budget, management processes and utilization of related software.

HINDI

Course addition

HIN 101 Beginning Hindi I

4:3:2

Course develops basic language skills in Hindi within the socio-cultural context of India and South Asia. Content includes alphabets, pronunciation, vocabulary, grammatical rules, reading comprehension, listening comprehension and oral and written real life situational conversation. No prior study of the language is presumed. Recommended that experienced students discuss proper placement with instructor.

Fee: \$20

HIN 102 Beginning Hindi II

4:3:2

Course is a continuation of HIN 101. Further develops language skills in Hindi within the socio-cultural context of India and South Asia. Content includes vocabulary, grammatical rules, reading comprehension, listening comprehension and oral and written real life situational conversation. Recommended that experienced students discuss proper placement with instructor.

Prerequisite: HIN 101

Fee: \$20

HINDI-URDU

Course withdrawal

HUD 101 Beginning Hindi-Urdu I

HUD 102 Beginning Hindi-Urdu II

HORTICULTURAL THERAPY

Course revisions

HTC 100 Essentials of Horticulture for Horticultural Therapists

Change title to: **Introduction to Horticulture for Horticultural Therapists**

HTC 101 Health through Horticulture: Using Plants for Therapeutic Outcomes

Change course description to:

This is an introductory course designed to provide the student with basic knowledge of using plants in a therapeutic way. In addition, the history, current issues, and basic techniques of the profession will be addressed. During the required days on-site at the Chicago Botanic Garden, students will tour examples of therapeutic gardens, experience some HT sessions with a variety of clients and learn to assess and establish goals. Students taking this course are assumed to have acquired basic horticulture knowledge comparable to that covered in Horticulture 100: Introduction to Horticulture for Horticultural Therapists.

Change prerequisite to: Program admission and completion of HTC 100 or consent of instructor or program approved equivalent; concurrent enrollment in HTC 110.

HTC 110 Horticultural Therapy Application and Practicum

Change course description to:

Course continues the study of horticultural therapy. Emphasis is on application of theory, principles, goal development and session planning. Each student will submit a final project which is a program proposal including a budget, session plans, justification, site assessment and more. During required days on-site at the Chicago Botanic Garden, students will work in small groups to design a therapeutic garden.

Change prerequisite to: Successful completion of HTC 101 with minimum grade of C.

HUMANITIES

Course revision

HUM 140 Introduction to Women's Studies

Change course title to: **Introduction to Women's and Gender Studies**

LAW ENFORCEMENT

Course revision

LAE 239 Forensics II

Remove prerequisite

MANUFACTURING TECHNOLOGY

Curriculum revision

Mechatronics Technology A.A.S. (# 0253) – change requirements; total credit hours remain the same.

Course withdrawal

MFG 205 Computer Aided Manufacturing I

MFG 206 Computer Aided Manufacturing II

MATHEMATICS

Course revisions

MAT 102 Mathematics for Allied Health

Change prerequisite to: Successful completion of MAT 070 or appropriate score on the Mathematics Placement Test.

MAT 111 Business and Consumer Mathematics

Change course description to:

Course reviews arithmetic and introduces algebraic techniques for students pursuing Oakton degrees and certificates in business related fields. Content includes profit and loss, interest, amortization, installment transactions, percentage, discount, taxes, depreciation and statistics. Calculators and spreadsheets will be used where appropriate.

MAT 122 Trigonometry

Change prerequisite to: MAT 110 with minimum grade of C or appropriate score on the Mathematics Placement Test.

MAT 128 Foundations of Mathematics for Elementary Teachers I

Change course description to:

Course emphasizes development of critical thinking skills using mathematical language and notation appropriately to communicate ideas and solve a variety of problems. The course focuses on increasing mathematical knowledge upon which the elementary curriculum is based with a deeper conceptual understanding of the following topics: sets, real numbers, number theory, functions, statistics and probability.

Change prerequisite to: MAT 110 with minimum grade of C or appropriate score on the Mathematics Placement Test; and successful completion of MAT 080, geometry proficiency or appropriate score on the Mathematics Placement Test.

MAT 129 Foundations of Mathematics for Elementary Teachers II

Course emphasizes development of critical thinking skills using mathematical language and notation appropriately to communicate ideas and solve a variety of problems. Focuses on increasing mathematical knowledge upon which the elementary curriculum is based with a deeper conceptual understanding of the following topics: recognizing and analyzing two- and three-dimensional geometrical shapes; measurement, triangle congruence and similarity; Euclidean constructions; coordinate and transformational geometry; elementary logic, dynamic geometry or computer algebra software; equivalence relations, and clock arithmetic as an example of a finite mathematical system. Technology incorporated when appropriate.

MAT 140 College Algebra

Change course description to:

A study of the following functions and their graphs: polynomial, rational, exponential, logarithmic, and special functions; systems of equations and inequalities.

Prerequisite: MAT 110 or the equivalent with a minimum grade of C or appropriate score on the Mathematics Assessment Test; and MAT 080 or geometry proficiency.

MAT 251 Calculus II

Change course description to:

Course is second in calculus and analytic geometry. Content focuses on differentiation and integration of transcendental functions such as inverse trigonometric functions; hyperbolic functions and inverse hyperbolic functions; applications of the definite integral; sequences and series; power series representations; parametric and polar coordinates; techniques of integration and improper integrals. Calculators/computers used when appropriate.

MAT 262 Ordinary Differential Equations

Change course description to:

Course presents the solution of ordinary differential equations with applications, power series, Laplace transformations, systems of linear differential equations and numerical methods.

Technology will be used when appropriate.

MECHANICAL DESIGN/CAD

Curricula revisions

SolidWorks Certificate (#0261) – change requirements; total credit hours increase to 12.

CAD Interior Design Certificate (#0267) – change requirements; total credit hours decrease to 8.

Industrial Design Engineering Certificate (#0278) – change requirements; total credit hours decrease to 13.

General Design Certificate (#0284) – change requirements; total credit hours increase to 19.

Course additions

CAD 107 Introduction to 3D Printing

2:2:1

Course is an introduction to 3D printing with emphasis on operation of 3D printers and design of 3D printed parts. The computer will be used by students to create 3 dimensional models and prepare the models to print using plastic modeling material. Course content covers step by step approach to creating models and setting up a 3D printer.

Fee: \$50

CAD 232 Intermediate SolidWorks

4:3:2

Course offers an intermediate exploration of the theory and application of SolidWorks design software. It builds up on skills learned in CAD-230 course to broaden students' modeling expertise and prepare them for the advanced features covered in CAD-231 course. Course content includes step by step approach to teach students new design skills by creating and editing solids, surfaces, sheet metal, multibody parts, assemblies, and detail drawings. Prerequisite: CAD 230.

Fee: \$50

Course revisions

CAD 230 Introduction to SolidWorks

Change credit:lecture:lab ratio to 4:3:2

Change course description to:

Course explores the theory and application of solid modeling techniques for product design and manufacturing, using SolidWorks parametric modeling software. Content includes transforming computer sketches into three-dimensional features; parametric modeling techniques further explored to create computer models of plastic molded parts; casting; and sheet metal; photorealistic rendering and animation of three dimensional models to visually communicate design ideas.

CAD 231 Advanced SolidWorks

Change course code to: **CAD 234**

Change credit:lecture:lab ratio to 4:3:2

Change course description to:

Course is an advanced exploration of the theory and application of solid modeling techniques for product design and manufacturing using SolidWorks. Topics covered include photorealistic rendering of computer models, animation, and advanced computer modeling techniques. Design topics include molded parts, sheet metal, detail drawings, and assemblies.

NURSING

Course addition

NUR 213 Perioperative nursing

4:1.5:5

Course is designed to provide students with an introduction to, and experiential learning opportunity in, perioperative nursing. Students will be exposed to the knowledge and skills required to provide safe, patient-centered care in the operating environment. Clinical component allows students to work in multidisciplinary teams in the care of the perioperative patient. Students will focus on strategies that foster communication and quality patient care.

Prerequisite: Successful completion of 1 year of a nursing program that includes clinical experience.

Fee: \$30

MEDICAL ASSISTANT

Curriculum revision

Medical Assistant Certificate (# 0329) – revise the sequence of requirements, making the first semester courses prerequisites for getting into the program; total semester credit hours remain the same.

Course revision

MOA 180 Healthcare Office Procedures for the Medical Assistant

Change prerequisite to: Admission to Medical Assistant Program

PEACE AND SOCIAL JUSTICE STUDIES CONCENTRATION

Concentration revision

Peace and Social Justice Studies Concentration – change requirements; total semester credit hours remain the same.

PHYSICAL EDUCATION

Course revision

PED 102 Living with Health

Change course description:

Course presents overview of healthy living. Content includes application of scientific health facts and principles of effective living.

Course withdrawal

PED 118 Softball I

PED 231 Theory and Practice of Basketball

PHYSICAL THERAPIST ASSISTANT

Course revisions

PTA 162 Clinical Practicum II

Change course description to:

Course is a five-week clinical experience consisting of 40 hours a week in a clinical facility and weekly online homework, discussions and postings. Content includes opportunities for establishing and following individual patient treatments and programs, performing consecutive treatments; gaining insights into medical, departmental, and institutional functions and organization. On-line sessions include reinforcement of techniques and skills, communication skills and discussion of the PTA role.

PTA 214 Basic Professional Reading Skills

Change course code from PTA 214 to PTA 114

PTA 218 Clinical Applications in PTA

Change credit:lecture:lab ratio to 2:2:0

POLITICAL SCIENCE

Course withdrawal

PSC 102 State and Local Government

PSYCHOLOGY

Course revision

PSY 201 Educational Psychology

Change course description to:

Course focuses on application of psychological principles to educational practice. Content includes cognitive and psychological development, human learning, and motivation, with emphasis on application for learner-centered instruction, assessment, and diversity. Twelve hours in local, K-12 school settings are required. Students cannot receive credit for both PSY 201 and EDN 201.

Recommended: PSY 101

SOCIOLOGY

Course revision

SOC 232 Diversity in American Society

Change course title to: **Sociology of Race and Ethnicity**

Change course description to:

Course examines history and contemporary landscape of race and ethnicity in American society. Content includes an historical context of race, the evolution of racial ideologies, racial inequality and institutions (education, employment, healthcare, criminal justice system, housing, and the environment), resisting racial injustice, and a comparative look at global ideas of race and racisms.

Change recommendation to SOC 101, SOC 103 or SSC 101.

THEATER CONCENTRATION

Concentration revision

Theater Concentration – change requirements; total semester credit hours remain the same.

URDU

Course additions

URD 101 Beginning Urdu I

4:3:2

Course develops basic language skills in Urdu within the socio-cultural context of Pakistan/India and South Asia. Content includes alphabets, pronunciation, vocabulary, grammatical rules, reading comprehension, listening comprehension and oral and written real life situational conversation. No prior study of the language is presumed. Recommended that experienced students discuss proper placement with instructor.

Fee: \$20

URD 102 Beginning Urdu I**4:3:2**

Course is a continuation of URD 101. Further develops language skills in Urdu within the socio-cultural context of Pakistan/India and South Asia. Content includes vocabulary, grammatical rules, reading comprehension, listening comprehension and oral and written real life situational conversation. Recommended that experienced students discuss proper placement with instructor.

Prerequisite: URD 101

Fee: \$20**VARIOUS DISCIPLINES**

Course withdrawal (effective Spring 2018)

See Appendix A.

End of SECTION II

(COURSE & CURRICULUM CHANGES INCLUDED IN 2018-2019 CATALOG)

SECTION III

COURSE & CURRICULUM CHANGES NOT INCLUDED IN 2018-2019 CATALOG

HISTORY

Course revisions (effective Spring 2019)

HIS 233 History of Latin America to 1825

Change course title to: History of Latin America to Independence

Change course description to:

Course surveys the history of Latin America from the pre-colonial civilizations until the wars of Independence in the nineteenth century. Course examines how Native Americans, Europeans and Africans navigated the political, social, economic and cultural consequences of the colonial order.

HIS 234 History of Latin America, 1825 to 1945

Change course title to: History of Modern Latin America

Change course description to:

Course surveys the history of Latin America from the period of the Wars for Independence in the early nineteenth century until the present. Course examines the ways Latin Americans navigate the increasingly transnational world of the early twenty-first century.

ENGLISH

Course addition (effective Spring 2019)

EGL 098 Fundamentals of English Grammar

4:4:0

Course prepares students for college-level reading and writing, and develops proficiency with comprehension, vocabulary, and critical approaches to analyzing texts. Content includes structure of multi-paragraph texts, conventions of written English, and processes of reading/writing. Emphasis is on approaches to literacy that apply to college-level courses across the disciplines.

Prerequisite: Successful Completion (Grade of P) of both EGL 092 and EGL 096 or Reading placement of EGL 094 and Writing placement of EGL 097 or English Placement of EGL 098

VARIOUS DISCIPLINES

Course withdrawal (effective Spring 2019)

- ACC 163 Computer Accounting Applications
- ACC 165 Advanced Computer Accounting Applications
- ACC 261 Advanced Auditing
- CIS 123 Introduction to COBOL Programming
- CIS 230 C++ Programming for Business Applications
- CAD 140 CAD Introduction to Building Systems – HVAC
- COL 103 Peer Tutor Training
- COL 110 College Success for Adult Learners Programming
- COL 120 Academic Success Seminar
- ECE 151 Communicating with Parents and Children
- ECE 156 Effective Teaching

ECE 157 Introduction to Home-Based Care and Education
ECE 160 Inclusion in Early Childhood Care and Education
ECE 184 Food Service Sanitation for Early Childhood Programs
ECE 242 Multicultural Perspectives in Early Education
FME 140 CAD Introduction to Building Systems – HVAC
PTA 291 Advanced Clinical Topics for PTA
SPE 205 Intermediate Sign Language

End of SECTION III

(COURSE & CURRICULUM CHANGES NOT INCLUDED IN 2018-2019 CATALOG)

OCC (53501) VOLUME COURSE WITHDRAWAL

COURSE		TITLE	PCS	CIP	CURRICULUM		EFF DATE
AOM	251	PRACTICUM	12	529999	VOTEC	0226	10/01/17
ART	135	FIBERS/WEAVING I	11	500712	BACCA	0700	10/01/17
ART	136	JEWELRY/METALSMITHING I	11	500713	BACCA	0700	10/01/17
ART	214	ADVANCED EXPERIMENTALPHOTOTECHNIQUES	11	500605	BACCA	0700	10/01/17
ART	221	ART EDUCATION	11	131302	BACCA	0700	10/01/17
ART	226	COMMERCIAL DIGITAL PHOTOGRAPHY	11	500605	BACCA	0700	10/01/17
ART	233	PRINTMAKING II	11	500710	BACCA	0700	10/01/17
ART	235	FIBERS/WEAVING II	11	500712	BACCA	0700	10/01/17
ART	236	JEWELRY/METALSMITHING II	11	500713	BACCA	0700	10/01/17
ART	255	COMPUTER GRAPHIC DESIGN	11	500401	BACCA	0700	10/01/17
AST	105	ESSENTIALS OF AUTOMOTIVE SERVICE	12	470604	VOTEC	0017	10/01/17
AST	110	PRACTICAL AUTOMOTIVE SCIENCE	12	400101	VOTEC	0017	10/01/17
AST	115	AUTOMOTIVE DRAWING INTERPRETATION	12	470604	VOTEC	0017	10/01/17
AST	116	AUTOMOTIVE BRAKING & STEERING SYSTEM	12	470604	VOTEC	0017	10/01/17
AST	117	CHASSIS COMPONENTS AND ALIGNMENT	12	470604	VOTEC	0017	10/01/17
AST	118	AUTOMOTIVE ELECTRICAL SYST & ELECTR	12	470604	VOTEC	0017	10/01/17
AST	220	ENGINE PERFORMANCE	12	470604	VOTEC	0017	10/01/17
AST	221	AUTOMOTIVE CLIMATE CONTROL SYSTEMS	12	470604	VOTEC	0017	10/01/17
AST	222	POWERPLANT OVERHAUL & REPAIR	12	470604	VOTEC	0017	10/01/17
AST	223	MANUAL GEARTRAIN AND FINAL DRIVE	12	470604	VOTEC	0017	10/01/17
AST	224	AUTO GEARTRAIN CONCEPTS & SERVICING	12	470604	VOTEC	0017	10/01/17
BIO	140	FIELD BIOLOGY	11	260101	BACCA	0650	10/01/17
BIO	201	COMPARATIVE VERTEBRATE ANATOMY	11	260403	BACCA	0650	10/01/17
BIO	210	GENETICS	11	260801	BACCA	0650	10/01/17
BIO	211	GENERAL ZOOLOGY	11	260701	BACCA	0650	10/01/17
BIO	221	GENERAL BOTANY	11	260301	BACCA	0650	10/01/17
BUS	115	BUSINESS STATISTICS	11	270501	BACCA	0500	10/01/17
CHM	211	QUANTITATIVE ANALYSIS	11	400502	BACCA	0650	10/01/17
CHM	230	BIOCHEMISTRY	11	260101	BACCA	0650	10/01/17
CIS	125	INTRO TO RPG PROGRAMMING	12	110201	VOTEC	0120	10/01/17
CIS	224	CICS COMMAND LEVEL PROGRAMMING	12	110201	VOTEC	0120	10/01/17
CIS	226	ADVANCED RPG PROGRAMMING	12	110201	VOTEC	0120	10/01/17
CIS	276	NOVELL LAN INSTALL AND CONFIGURE	12	110901	VOTEC	0120	10/01/17
COE	101	COOPERATIVE EDUCATION/SCIENCE	11	300198	BACCA	0650	10/01/17
COE	102	COOPERATIVE EDUCATION/LIBERAL ARTS	11	240198	BACCA	0700	10/01/17
COE	222	COOPERATIVE EDUCATION II	11	240198	BACCA	0700	10/01/17
COM	011	ADVANCED READING SKILLS	14	320113	REMDE	0489	10/01/17
COM	200	INDEPENDENT STUDY - COMMUNICATIONS	11	240199	BACCA	0700	10/01/17
CPS	260	BEHAVIORAL SCIENCE IN BUSINESS	12	529996	VOTEC	0081	10/01/17
CPS	261	BUS. LAW FOR CERT. PROF. SECRETARIES	12	529996	VOTEC	0081	10/01/17
CPS	262	ECONOMICS & MANAGEMENT	12	529996	VOTEC	0081	10/01/17
CPS	263	ACCT FOR CERTIF PROFESS SECRETARIES	12	529996	VOTEC	0081	10/01/17
ECE	103	INTRO. TO THE NANNY PROFESSION	12	190709	VOTEC	0072	10/01/17
ECE	110	INTRO. TO INTERGENERATIONAL PROG.	12	190709	VOTEC	0070	10/01/17

OCC (53501) VOLUME COURSE WITHDRAWAL

COURSE		TITLE	PCS	CIP	CURRICULUM	EFF DATE
ECE	170	DEVELOP. & GUIDANCE SCHOOL AGE CHILD	12	190709	VOTEC 0070	10/01/17
ECE	171	THEORY & METHODS SCHOOL AGE CHILD	12	131501	VOTEC 0070	10/01/17
ECE	185	FIRST AID, SAFETY, AND INFANT CPR	12	190709	VOTEC 0070	10/01/17
ECE	250	NANNY PRACTICUM	12	199998	VOTEC 0072	10/01/17
ECO	205	CONSUMER ECONOMICS	11	190402	BACCA 0700	10/01/17
EDN	103	PARAPROFESSIONAL PRE-CLINICAL OBSRVN	11	139998	BACCA 0700	10/01/17
EDN	250	LITERATURE FOR CHILDREN&YOUNG ADULTS	11	131202	BACCA 0700	10/01/17
EGL	093	READING STRATEGIES FOR COLLEGE	14	320113	REMDE 0489	10/01/17
EGL	095	BUSINESS ENGLISH-NON-NATIVE SPKRS	14	320103	REMDE 0489	10/01/17
EGL	098	FUNDAMENTALS OF ENGLISH GRAMMAR	14	320103	REMDE 0489	10/01/17
EGL	210	INTERMEDIATE EXPOSITORY WRITING	11	231301	BACCA 0700	10/01/17
EGL	235	STUDIES IN SHAKESPEARE	11	231404	BACCA 0700	10/01/17
EGL	261	THEORIES IN TEACHING ESL	12	231301	BACCA 0700	10/01/17
EGL	262	METHODS OF TEACHING ESL	12	231301	BACCA 0700	10/01/17
ELS	101	BASIC ELECTRICITY-ELECTRONICS	12	150303	VOTEC 0162	10/01/17
ENG	121	ENGINEERING GRAPHICS I	11	151302	BACCA 0850	10/01/17
ENG	122	ENGINEERING GRAPHICS II	11	151302	BACCA 0850	10/01/17
ENG	131	MECHANISMS	12	150805	VOTEC 0270	10/01/17
ENG	213	ANALYTICAL MECHANICS (STATICS & DY)	11	141101	BACCA 0850	10/01/17
FIR	180	INTRO TO NIMS AND THE ICS	12	430202	VOTEC 0180	10/01/17
FIR	280	ICS SINGLE RESRCS INITL ACTN INCNTS	12	430202	VOTEC 0180	10/01/17
FIR	281	NRF INTRMDT ADVNCD INCD COM SYST ICS	12	430202	VOTEC 0180	10/01/17
HIS	133	CONTEMPORARY WORLD HISTORY	11	540101	BACCA 0700	10/01/17
HIS	212	THE POLISH HERITAGE I	11	050105	BACCA 0700	10/01/17
HIS	213	THE POLISH HERITAGE II	11	050105	BACCA 0700	10/01/17
HIS	220	THE ASCENT OF MAN	11	300101	BACCA 0700	10/01/17
HIS	230	MINORITIES IN THE U.S.A.	11	240103	BACCA 0700	10/01/17
HIT	114	CPT CODING FOR THE PHYSICIAN OFFICE	12	510713	VOTEC 0288	10/01/17
JRN	126	NEWSPAPER PRODUCTION	11	090401	BACCA 0700	10/01/17
LAN	170	WINDOWS 2000 PROFESSIONAL	12	110901	VOTEC 0165	10/01/17
LAN	171	WINDOWS 2000 SERVER	12	110901	VOTEC 0165	10/01/17
LAN	172	IMPLEM WINDOWS 2000 NTWRK INFRASTRUC	12	110901	VOTEC 0165	10/01/17
LAN	173	IMPLEM/ADMIN WINDOWS 2000 DIR SVCS	12	110901	VOTEC 0165	10/01/17
LAN	175	WINDOWS XP PROFESSIONAL	12	110901	VOTEC 0121	10/01/17
LAN	178	NT ADMINISTRATION	12	110901	VOTEC 0120	10/01/17
LAN	262	INTEGRATING NETWARE AND WINDOWS NT	12	110901	VOTEC 0120	10/01/17
LAN	271	DESIGNING WINDOWS 2000 NTWK SECURITY	12	110901	VOTEC 0165	10/01/17
LAN	272	DESIGNG WINDOWS 2000 NTWK INFRASTRCT	12	110901	VOTEC 0165	10/01/17
LAN	273	DESIGN WINDOWS 2000 DIR SVRC INFSTR	12	110901	VOTEC 0165	10/01/17
LAN	278	NT CORE ADMINISTRATION	12	110901	VOTEC 0120	10/01/17
LAN	280	WINDOWS NT SERV 4.0-ENTERPRISE TECH	12	110901	VOTEC 0165	10/01/17
LAN	284	WINDOWS NT SYSTEMS MANAGEMENT SERVER	12	110901	VOTEC 0165	10/01/17
LAN	286	PROXY SERVER 2.0	12	110901	VOTEC 0165	10/01/17
LAN	287	EXCHANGE SERVER	12	110901	VOTEC 0165	10/01/17

OCC (53501) VOLUME COURSE WITHDRAWAL

COURSE		TITLE	PCS	CIP	CURRICULUM		EFF DATE
LAN	288	MICROSOFT INTERNET EXPLORER	12	110901	VOTEC	0165	10/01/17
LIB	101	RESEARCH IN THE INFORMATION AGE	11	240102	BACCA	0700	10/01/17
MAS	101	MASSAGE THERAPY I: SWEDISH MASSAGE	12	513501	VOTEC	0357	10/01/17
MAS	102	MASSAGE THER II: INTEGRATIVE MASSAGE	12	513501	VOTEC	0357	10/01/17
MAS	103	MASSAGE THERAPY III: REHABILITATIVE	12	513501	VOTEC	0357	10/01/17
MAS	104	MASSAGE THERAPY IV: DEEP TISSUE	12	513501	VOTEC	0357	10/01/17
MAS	110	MASSAGE STRUCTURE AND FUNCTIONS I	12	513501	VOTEC	0357	10/01/17
MAS	111	MASSAGE STRUCTURE AND FUNCTIONS II	12	513501	VOTEC	0357	10/01/17
MAS	112	KINESIOLOGY & PALPATION MASSAGE THERAPY I	12	513501	VOTEC	0357	10/01/17
MAS	113	KINESIOLOGY & PALPATION MASSAGE THERAPY II	12	513501	VOTEC	0357	10/01/17
MAS	114	BUSINESS & COMMUNITY MASSAGE THERAPY I	12	513501	VOTEC	0357	10/01/17
MAS	115	BUSINESS & COMMUNITY MASSAGE THERAPY II	12	513501	VOTEC	0357	10/01/17
MAT	198	TECHNOLOGY TRAINING FOR MATH	11	270199	BACCA	0700	10/01/17
MAT	203	MATHEMATICS CHALLENGES REVIEW	11	270101	BACCA	0700	10/01/17
MGT	229	ORGANIZATIONAL EFFECTIVENESS MANAGEMENT.	12	520204	VOTEC	0226	10/01/17
MGT	269	STATISTICAL QUALITY CONTROL	12	150702	VOTEC	0226	10/01/17
MGT	277	WORK MEASUREMENT & METHODS	12	520205	VOTEC	0226	10/01/17
MGT	281	INVENTORY CONTROL & PRODUCTION SCHEDULE	12	520203	VOTEC	0226	10/01/17
MLT	130	ASEPTIC PHARMACEUTICAL PREPARATIONS	12	510805	VOTEC	0283	10/01/17
MMG	101	INTRO TO TRANSPORTATION MANAGEMENT	12	520409	VOTEC	0269	10/01/17
MMG	105	INTRO TO MODERN MATERIALS MANAGEMENT	12	520201	VOTEC	0268	10/01/17
MMG	110	BASIC WAREHOUSING	12	520409	VOTEC	0268	10/01/17
MMG	121	CARRIER PRICING	12	520409	VOTEC	0269	10/01/17
MMG	125	DISTRIBUTION FOR SERVICE & MANUFACTURING INDUSTRY	12	520205	VOTEC	0268	10/01/17
MMG	135	MRP & INVENTORY CONTROL	12	520203	VOTEC	0268	10/01/17
MMG	205	ADVANCED WAREHOUSING	12	520409	VOTEC	0268	10/01/17
MMG	215	MASTER SCHEDULING & FINANCING	12	520203	VOTEC	0268	10/01/17
MMG	220	TRANSPORTATION CLAIMS AND INSURANCE	12	520409	VOTEC	0269	10/01/17
MMG	222	ADVANCED TRANSPORTATION MANAGEMENT	12	529997	VOTEC	0269	10/01/17
MMG	225	ADVANCED MATERIALS MANAGEMENT	12	520205	VOTEC	0268	10/01/17
MMG	235	HAZARDOUS MATERIALS TRANSPORT REGULATIONS	12	520409	VOTEC	0269	10/01/17
MTA	103	MACHINE TECHNOLOGY	12	480503	VOTEC	0256	10/01/17
MTA	104	BASIC PRECISION MACHINING	12	480503	VOTEC	0256	10/01/17
MTA	106	BASIC MACHINE SHOP PRACTICE	12	480503	VOTEC	0256	10/01/17
MTA	107	INTERMEDIATE MACHINE SHOP PRACTICE	12	480503	VOTEC	0256	10/01/17
MTA	110	BASIC MACHINE TECHNOLOGY	12	270301	VOTEC	0256	10/01/17
MTA	111	ADVANCED MACHINE TECHNOLOGY	12	270301	VOTEC	0256	10/01/17
MTA	120	BASIC SHOP MATHEMATICS	12	270301	VOTEC	0256	10/01/17
MTA	121	SHOP MATHEMATICS APPLICATIONS	12	270301	VOTEC	0256	10/01/17
MTA	122	ADVANCED SHOP MATHEMATICS	12	270301	VOTEC	0256	10/01/17
MTA	204	INTRO TO NUMERICAL CONTROL I	12	150411	VOTEC	0256	10/01/17
MTA	205	BASIC TOOL AND DIE CONSTRUCTION I	12	480507	VOTEC	0256	10/01/17
MTA	206	BASIC TOOL AND DIE CONSTRUCTION II	12	480507	VOTEC	0256	10/01/17
MTA	210	BASIC MOLD MAKING I	12	480507	VOTEC	0256	10/01/17

OCC (53501) VOLUME COURSE WITHDRAWAL

<u>COURSE</u>	<u>TITLE</u>	<u>PCS</u>	<u>CIP</u>	<u>CURRICULUM</u>	<u>EFF DATE</u>
MTA 211	BASIC MOLD MAKING II	12	480507	VOTEC 0256	10/01/17
MTA 212	ADVANCED MOLD MAKING & ENGINEERING I	12	480507	VOTEC 0256	10/01/17
MTA 213	ADV. MOLD MAKING & ENGINEERING II	12	480507	VOTEC 0256	10/01/17
MTA 220	BASIC PREC SHEETMETAL/MODEL MAKING I	12	480506	VOTEC 0256	10/01/17
MTA 221	BASIC PREC SHEETMTAL/MODEL MAKING II	12	480506	VOTEC 0256	10/01/17
MTA 222	ADVANCED PRECISION SHEET METAL I	12	480506	VOTEC 0256	10/01/17
MTA 223	ADV. PRECISION SHEET METAL II	12	480506	VOTEC 0256	10/01/17
MTA 224	BASIC MACHINIST I	12	480501	VOTEC 0256	10/01/17
MTA 225	BASIC MACHINIST II	12	480501	VOTEC 0256	10/01/17
MTA 226	ADVANCED MACHINIST I	12	480503	VOTEC 0256	10/01/17
MTA 227	ADVANCED MACHINIST II	12	480503	VOTEC 0256	10/01/17
NSC 200	INDEPENDENT STUDY - NATURAL SCIENCE	11	300199	BACCA 0700	10/01/17
OST 051	REFRESHER SHORTHAND	16	520401	VOCSK 1614	10/01/17
OST 105	FUNDAMENTAL COMM & TRANSCRIPT. SKILL	12	520401	VOTEC 0301	10/01/17
OST 109	DATA ENTRY	12	520407	VOTEC 0301	10/01/17
OST 110	WORD PROCESSING FOR COLLEGE SUCCESS	12	520401	VOTEC 0301	10/01/17
OST 113	BEGINNING SHORTHAND	12	520401	VOTEC 0301	10/01/17
OST 114	ADV. SHORTHAND	12	520401	VOTEC 0301	10/01/17
OST 119	INTRO. TO LOCAL AREA NETWORKS	12	110901	VOTEC 0301	10/01/17
OST 123	INTRO. TO WORDPERFECT	12	520401	VOTEC 0301	10/01/17
OST 124	INTERMED. WORDPERFECT	12	520401	VOTEC 0301	10/01/17
OST 125	ADVANCED WORDPERFECT	12	520401	VOTEC 0301	10/01/17
OST 156	INTERMED. DESKTOP PUBLISH	12	100303	VOTEC 0301	10/01/17
PED 103	BADMINTON	11	310501	BACCA 0700	10/01/17
PED 104	SCUBA DIVING	11	310501	BACCA 0700	10/01/17
PED 105	BOWLING	11	310501	BACCA 0700	10/01/17
PED 106	RACQUETBALL	11	310501	BACCA 0700	10/01/17
PED 107	TENNIS I	11	310501	BACCA 0700	10/01/17
PED 108	TENNIS II	11	310501	BACCA 0700	10/01/17
PED 111	BEGINNING SWIMMING	11	310501	BACCA 0700	10/01/17
PED 115	BEGINNING TUMBLING	11	310501	BACCA 0700	10/01/17
PED 116	DANCE I	11	310501	BACCA 0700	10/01/17
PED 119	SKIING	11	310501	BACCA 0700	10/01/17
PED 127	SELF DEFENSE	11	310501	BACCA 0700	10/01/17
PED 134	INTRODUCTION TO CAMPING	11	310501	BACCA 0700	10/01/17
PED 135	CANOEING	11	310501	BACCA 0700	10/01/17
PED 136	WALKING FOR FITNESS/WEIGHT LOSS	11	310501	BACCA 0700	10/01/17
PED 137	FITNESS WALKING II	11	310501	BACCA 0700	10/01/17
PED 140	ADVANCED LIFE SAVING	11	310501	BACCA 0700	10/01/17
PED 143	BADMINTON II	11	310501	BACCA 0700	10/01/17
PED 155	INTERMEDIATE TUMBLING	11	310501	BACCA 0700	10/01/17
PED 157	DANCE II	11	500301	BACCA 0700	10/01/17
PED 161	STEP AEROBICS	11	310501	BACCA 0700	10/01/17
PED 171	STEP AEROBICS II	11	310501	BACCA 0700	10/01/17

OCC (53501) VOLUME COURSE WITHDRAWAL

COURSE		TITLE	PCS	CIP	CURRICULUM		EFF DATE
PED	172	STEP AEROBICS III	11	310501	BACCA	0700	10/01/17
PED	173	STEP AEROBICS IV	11	310501	BACCA	0700	10/01/17
PED	192	FIT AND FIRM	11	310501	BACCA	0700	10/01/17
PED	201	INTRODUCTION TO PHYSICAL EDUCATION	11	310501	BACCA	0700	10/01/17
PED	205	INTRO ELEM SCHL PHYSED CURRIC/METHDS	11	131202	BACCA	0700	10/01/17
PED	231	THEORY & PRACTICE OF BASKETBALL	11	310501	BACCA	0700	10/01/17
PED	232	THEORY AND PRACTICE OF BASEBALL	11	310501	BACCA	0700	10/01/17
PED	233	THEORY PRACTICE OF TRACK & FIELD	11	310501	BACCA	0700	10/01/17
PED	235	THEORY AND PRACTICE OF DANCE	11	310501	BACCA	0700	10/01/17
PED	236	THEORY AND PRACTICE OF WRESTLING	11	310501	BACCA	0700	10/01/17
PHL	202	PHILOSOPHY OF KNOWLEDGE(EPIST.)	11	380101	BACCA	0700	10/01/17
PHL	203	PHILOSOPHY OF ART (AESTHETICS)	11	380101	BACCA	0700	10/01/17
PHY	102	TECHNICAL PHYSICS	11	400801	BACCA	0650	10/01/17
PSC	203	INTRO TO PUBLIC ADMINISTRATION	11	440401	BACCA	0700	10/01/17
PSY	102	GENERAL PSYCHOLOGY	11	420101	BACCA	0700	10/01/17
PSY	115	THE PSYCHOLOGY OF HUMAN RELATIONS	11	231304	BACCA	0700	10/01/17
PTA	170	HUMAN AGING	11	260101	BACCA	0700	10/01/17
RES	121	REAL ESTATE TRANSACTIONS	12	521501	VOTEC	0390	10/01/17
RES	122	ADVANCED REAL ESTATE PRINCIPLES	12	521501	VOTEC	0390	10/01/17
RES	130	REAL ESTATE SALES & BROKERAGE	12	520701	VOTEC	0390	10/01/17
RES	144	PRINCIPLES OF CAPITALIZATION	12	521501	VOTEC	0390	10/01/17
RES	145	RESIDENTIAL APPRAISAL REPORT WRITING	12	521501	VOTEC	0390	10/01/17
RES	201	ADVANCED REAL ESTATE PRINCIPLES	12	521501	VOTEC	0390	10/01/17
RES	205	COMMERCIAL/INDUSTRIAL REAL ESTATE	12	521501	VOTEC	0390	10/01/17
RES	207	BASIC PRINCIPLES OF TITLE INSURANCE	12	521501	VOTEC	0390	10/01/17
RES	208	ADVNCN PRINCIPLES OF TITLE INSURANCE	12	521501	VOTEC	0390	10/01/17
RES	210	REAL ESTATE CONTRACTS & CONVEYANCES	12	521501	VOTEC	0390	10/01/17
RES	211	REAL ESTATE APPRAISAL	12	521501	VOTEC	0390	10/01/17
RES	215	REAL ESTATE FINANCE	12	521501	VOTEC	0390	10/01/17
RES	225	REAL ESTATE PROPERTY MANAGEMENT	12	521501	VOTEC	0390	10/01/17
RES	235	COMMERCIAL & INDUSTRIAL REAL ESTATE	12	521501	VOTEC	0390	10/01/17
RES	250	REAL ESTATE INVESTMENTS	12	521501	VOTEC	0390	10/01/17
RES	280	MORTGAGE LOAN ORIGINATOR	12	521501	VOTEC	0390	10/01/17
RFD	106	RFID PRIVACY AND SECURITY	12	520203	VOTEC	0174	10/01/17
RFD	204	PHYSICS OF RFID	12	520203	VOTEC	0174	10/01/17
WLD	105	SURVEY OF WELDING	16	480508	VOCSK	1617	10/01/17
WLD	106	WELDING TECHNIQUES	16	480508	VOCSK	1617	10/01/17