



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 (2016-2017) academic year. The new catalog is linked from Oakton's home page (www.oakton.edu).

A PDF version of this document may be found online at www.oakton.edu/academic_briefing_2016.pdf.

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SECTION I

CORRECTIONS/UPDATES: 2016-2017 CATALOG

page 80

At the bottom, under the heading, “Courses below are applicable to an A.A.S. degree or may transfer as electives for other degrees,” **remove the following:**

- GBS 235
- GBS 236
- HIS 204

SECTION II

COURSE & CURRICULUM CHANGES INCLUDED IN 2016-2017 CATALOG

ACCOUNTING

Course revisions

ACC 245
Cost Accounting
Change course description and learning objectives.

ACC 253
Practicum
Change learning objectives.

ART AND DESIGN

Course addition

ART 122 3:3:0
Art History: Contemporary Art
Course is a comparative study of contemporary art as an expression of human experience. Content includes major artists, styles and movements from 1945 to the present. Focus is on development of perceptive stylistic analysis and ability to understand a work of art in relation to cultural context.

Course revisions

ART 113
Art History: Modern Art (Twentieth Century)
Change course description and learning objectives.

ART 132
Painting I
Change course description, learning objectives, and outline of topics.

AUTOMOTIVE TECHNOLOGY (Apprenticeship)

Curriculum revisions

Automotive Technology (Apprenticeship) A.A.S. (# 0031) – change requirements; total credit hours remain the same.

Automotive Technology (Apprenticeship) Certificate (# 0030) – change requirements; total credit hours increase to 26.

Automotive Technology Powertrain Certificate (# 0032) – change requirements; total credit hours increase to 32.

Course additions

ATA 210 4:4:0
Advanced Engine Performance Analysis
Course studies look at the fault analysis of onboard computers and OBDII Emissions with the aid of advanced scan tool diagnostics. Diagnosis of fuel injection, computer controlled EI, DI, COP ignition systems are also covered.

Prerequisite: ATA 110 and consent of department chair.

Fee \$30

ATA 214 4:4:0
Advanced Steering and Alignment
Course studies advanced fault analyses of Manual/Power Steering, Electronic Steering Assist, and Alignments (2- and 4-wheel drive). The course also allows for removal, disassembly, and replacement of components followed up by alignments.

Prerequisite: ATA 114 and consent of department chair.

Fee \$30

BIOLOGY

Course addition

BIO 114 3:3:0
Basic Human Anatomy and Physiology
Non-laboratory survey course covers the structure and function of each body system. Content includes body planes, directional terms, quadrants, body cavities, and the major organs in each body system.

Course revisions

BIO 121
General College Biology I
Change prerequisite to: BIO 101 with minimum grade of C or one year of high school biology with minimum grade of C, either option completed within the last five years.

BIO 231
Human Anatomy and Physiology I
Change prerequisite to: Either BIO 101 or BIO 121 with a minimum grade of C, or one year of high school biology with a minimum grade of C, any option completed within the last five years; demonstrate entry-level competency for EGL 090, EGL 097 or EGL 101 by coursework or placement. Recommended: CHM 101 or CHM 105.

CHEMISTRY

Course revisions

CHM 221
Organic Chemistry I
Change prerequisite to: CHM 122 with a minimum grade of C or consent of instructor.

CHM 223

Organic Chemistry I

Change prerequisite to: CHM 122 with a minimum grade of C or consent of instructor.

CHM 229

Biochemistry (non-laboratory course)

Change prerequisite to: CHM 207 and CHM 122, or CHM 224, or CHM 222, with minimum grade of C in all courses, or consent of instructor.

COMPUTER-AIDED DESIGN (also see **GEOGRAPHIC INFORMATION SYSTEMS**)

Course revision

CAD 190

ArcGIS – Introduction to Geospatial Information Systems (GIS) Technology

Change prefix to: GIS

Change title to: GIS Technology I

Change course description.

COMPUTER APPLICATIONS FOR BUSINESS

Curriculum addition

Add a seven-credit-hour Creative Software User Certificate (# 0313).

Curriculum revisions

Computer Applications for Business A.A.S. (# 0301) – remove CAB 170 from the list of courses in the Creative Software Track; total semester credit hours remain the same.

Creative Software Specialist Certificate (# 0310) – remove CAB 170 from the list of required courses; total semester credit hours are reduced to 12.

Creative Software Master Certificate (# 0311) – remove CAB 170 from the list of required courses; total semester credit hours are reduced to 27.

Course revisions

CAB 135

Electronic Spreadsheets Using Excel

Change course description, learning objectives, and outline of topics.

CAB 182

Introduction to Business Telecommunications

Change course description and learning objectives.

CAB 235

Advanced Spreadsheets Using Excel

Change course description, learning objectives, and outline of topics.

Course withdrawals

CAB 128 Word Application Specialist Certification Preparation
CAB 138 Application Specialist Certification Preparation
CAB 170 Adobe Dreamweaver
CAB 178 Adobe Flash
CAB 238 Excel Expert Certification Preparation

COMPUTER INFORMATION SYSTEMS

Curriculum revisions

Computer Information Systems A.A.S. (# 0121) – remove CAB 170 from the requirement of CIS 131 or CAB 170; change the options in this requirement to CIS 131 or ART 259, Web Graphic Page Design; total semester credit hours remain the same.

Web Site Developer Certificate (# 0463) – remove CAB 170 from the list of required courses and replace it with ART 259, Web Graphic Page Design; total semester credit hours remain the same.

COMPUTER SCIENCE

Course addition

CSC 157 3:3:1
Python Computer Science I
A first course in computer programming from basic through intermediate levels. Content includes designing, implementing and debugging maintainable Python programs, demonstrating applications from the areas of business and computer science. Abstract data types and object-oriented methods enhance study of elementary data structures.
Recommended: MAT 110.
Fee \$10

EARLY CHILDHOOD EDUCATION

Curriculum additions

Add a 22-semester-credit-hour Basic Family Child Care Provider Certificate (# 0077).

Add a 34-semester-credit-hour Advanced Family Child Care Provider Certificate (# 0078).

Curriculum revision

Early Childhood Education Administration Certificate (# 0076) – Change credit hours from 33 to 32.

Course addition

ECE 166

3:3:1

Family Child Care Provider II

Course further explores the professional role of the home child care provider. Content includes appropriate business and marketing practices; assessment and documentation of children's learning; the role of technology in communication, planning, record-keeping, and resource development; family involvement in program activities; the role of professional ethics; the function of advocacy in programming and professional relationships; and the impact of professional development on effective programming.

Prerequisite: ECE 165 with a minimum grade of C or consent of instructor or program chair.

Fee \$20

Course revision

ECE 165

Home Child Care Provider

Change title to: Family Child Care Provider I

Change learning objectives.

Add \$20 course fee

EDUCATION

Curriculum withdrawal

Associate of Arts in Teaching (A.A.T.) – Early Childhood Education (# 0543)

ENGLISH

Course revisions

EGL 076

Academic Writing for the Non-Native Speaker III

Change outline of topics.

Change prerequisite to: College placement test or successful completion (grade of P) in EGL 075.

EGL 090

Academic Writing Skills for the Non-Native Speaker IV

Change course description and outline of topics.

Change prerequisite to: College placement test or successful completion (grade of P) in EGL 076.

EGL 094

Reading Improvement

Change course description, learning objectives, and outline of topics

EGL 101

Composition I

Change prerequisite to: Placement in EGL 101 or successful completion of EGL 090 or EGL 097 (grade of P).

ENVIRONMENTAL STUDIES

Concentration addition – Add a 19-semester-hour Environmental Studies Concentration.

GEOGRAPHIC INFORMATION SYSTEMS (also see **COMPUTER-AIDED DESIGN**)

Course addition

GIS 191

4:3:2

GIS Technology II

Course covers geodatabase development, maintenance, organization, and editing within the ESRI ArcGIS suite of software. Topics include basic features and functionality that a geodatabase provides as well as the ArcMap edition tools for creating and editing the geometry of spatial data. Students learn to create and manipulate Geographic Information Systems features and work on real-life GIS projects developed by public safety officials, public works departments, planners, and other industry professionals.

Recommended: GIS 190 or consent of instructor.

Fee \$50

HEALTH INFORMATION TECHNOLOGY

Course revisions

HIT 170

CPT Coding

Change prerequisite to:

Minimum grade of C in any of the following: HIT 112, BIO 231 and BIO 232, or BIO 114, also with consent of HIT instructor or department chair.

HIT 194

Health Informatics for Healthcare Professionals

Change title to: Electronic Health Record and Applications

LAW ENFORCEMENT

Curriculum revision

Law Enforcement A.A.S. (# 0240) – remove LAE 222 from requirements and replace with LAE 270, Law of Evidence; total semester credit hours remain the same.

Course revision

LAE 221

Criminal Law I

Change title to: Criminal Law

Change course description, learning objectives, and outline of topics.

Course withdrawal

LAE 222 Criminal Law II

MECHANICAL DESIGN/CAD

Curriculum revision

Mechanical Design/CAD A.A.S. (# 0270) – add GIS courses to the list of electives.

MEDICAL ASSISTANT

Curriculum addition

Add a 44-semester-credit-hour Medical Assistant Certificate (# 0329).

Course additions

MOA 120	2:2:1
Basic Healthcare Skills for the Medical Assistant	
Course introduces basic techniques and knowledge required to perform fundamental healthcare skills. Topics to include infection control, hand hygiene, vital signs, body mechanics, patient transfers, and oxygen therapy. Professional communication to obtain health history/ patient information and medical documentation will also be included.	
Prerequisite: Admission to Medical Assistant program.	
	Fee \$25
MOA 180	3:3:1
Healthcare Office Procedures for the Medical Assistant	
Course introduces the Medical Assistant student to administrative and general healthcare office functions. Topics included are patient reception, appointment scheduling, clerical functions and bookkeeping procedures, phone etiquette, professional communication and correspondence, preparation and maintenance of medical records and an EHR, confidentiality, and cultural sensitivity in client interactions.	
Prerequisite: Admission to Medical Assistant program, EGL 101, MAT 102, HIT 104, and HIT 194 (or concurrent enrollment), all with minimum grades of C.	
	Fee \$25
MOA 230	6:3:6
Clinical Skills for the Medical Assistant	
Course combines lecture and clinical skill instruction for the medical assistant student. Emphasis is on practical application of all clinical aspects in the medical/ healthcare office setting. Topics will include patient assessment and documentation, medical and surgical asepsis, assisting with minor office procedures, performing an EKG, injections, specialty office and first aid procedures. Includes an observational clinical rotation at a health care office/ ambulatory facility.	
Prerequisite: MOA 120, HIT 104, HIT 105, and MLT 107 (or concurrent enrollment), with minimum grades of C.	
	Fee \$75

MOA 260

3:3:0

Medical Assistant Practicum

Course provides the Medical Assistant student 160 supervised hours of unpaid externship at an affiliated clinical site. Emphasis will be on achieving competency of entry-level administrative and clinical skills in a healthcare office setting.

Prerequisite: MOA 180, MOA 230, MLT 107, all with minimum grades of C, and concurrent enrollment in MOA 262.

MOA 262

2:2:0

Medical Assistant Seminar

Course is the capstone requirement for graduation from the Medical Assistant Program. Class will meet once a month concurrently with the Medical Assistant Practicum experience. Discussion topics include professional/ethical issues, employment preparation (resume writing, interview techniques), professional development and communication. Preparation for a national credentialing exam will also be included.

Prerequisite: MOA 230 and MLT 107, both with minimum grades of C, and concurrent enrollment in MOA 260.

MEDICAL LABORATORY TECHNOLOGY

Course revision

MLT 107

Phlebotomy

Change prerequisite to: Admission to Phlebotomy Certificate program or MLT program or consent of program chair.

PARALEGAL STUDIES

Curriculum revisions

Paralegal Studies A.A.S. (# 0340) – change elective requirements; total credit hours remain the same.

Paralegal Studies Certificate. (# 0341) – change elective requirements; total credit hours remain the same.

Course revisions

PAR 220

Community Law

Change title to: Administrative and Social Security Law

PAR 230

Commercial Real Estate Law

Change prerequisite to: PAR 101, PAR 110, and PAR 123, all with minimum grade of C.

RADIOLOGIC TECHNOLOGY

Curriculum inactivation

Radiologic Technology A.A.S. (# 0382)

Course withdrawals

RDT 110 Skeletal Anatomy and Physiology

RDT 210 Radiologic Technology IV

RDT 220 Radiologic Technology V

RDT 230 Radiologic Technology VI

SOCIAL SCIENCE

Course revision

SSC 105

Introduction to Ethnic Studies

Change course description and learning objectives.

End of SECTION II

(COURSE & CURRICULUM CHANGES INCLUDED IN 2016-2017 CATALOG)

SECTION III

COURSE & CURRICULUM CHANGES NOT INCLUDED IN 2016-2017 CATALOG

COMPUTER APPLICATIONS FOR BUSINESS

Curriculum revisions

Computer Applications for Business A.A.S. (# 0301) – change major and track requirements; total semester credit hours remain the same.

Creative Software Specialist Certificate (# 0310) – change requirements; total semester credit hours are reduced to 11.

Creative Software Master Certificate (# 0311) – change title to Creative Software Advanced Specialist and change requirements; total semester credit hours increase to 29.

Course revisions

CAB 160
Desktop Publishing Concepts and Procedures
Change credit:lecture:lab ratio to 1:1:1
Change course description and learning objectives.

CAB 281
Software for Graphic Design
Change title to: Advanced Techniques Using Creative Software
Change course description and learning objectives.
Change prerequisite to: CAB 160, CAB 165, CAB 172, and CAB 175, each with minimum grade of C.

Course withdrawals

CAB 265 Advanced Adobe InDesign
CAB 272 Advanced Adobe Photoshop
CAB 275 Advanced Adobe Illustrator

COMPUTER SCIENCE

Course revisions

CSC 155
C++ Computer Science I
Change recommendation to – Prerequisite: MAT 110 or any higher MAT course.
Change course description and learning objectives. [pending learning objective approval]

CSC 156
Java Computer Science I
Change recommendation to – Prerequisite: MAT 110 or any higher MAT course.
Change course description and learning objectives. [pending learning objective approval]

CSC 157

Python Computer Science I

Change recommendation to – Prerequisite: MAT 110 or any higher MAT course.

Change course description and learning objectives. [pending learning objective approval]

MANUFACTURING TECHNOLOGY

Curriculum addition

Add a 60-credit-hour Supply Chain Automation A.A.S. (# 0290) [pending state approval].

Course additions

MFG 112

3:2:2

Automated Storage and Distribution

Course provides a general background of fundamental manufacturing concepts, practices and current technical procedures. Content includes specific studies for those interested in manufacturing and related business practices and industries, who wish to expand their knowledge of manufacturing techniques, operations, production of parts, various elements of automation of factories, and supply chain technology. The course covers fundamentals of material handling mechanics and career awareness as it relates to manufacturing and supply chain functions.

Fee \$50

MFG 120

4:3:2

Introduction to Welding

Course covers basic electric arc, oxy-fuel, gas metal arc, and gas tungsten arc welding processes, along with safety procedures required to set up and shut down welding equipment for the various processes. Hands-on experience includes practice with the four welding systems using various thickness materials. Industrial standards and American Welding Society (AWS) standards for quality are discussed.

Fee \$50

NURSING

Curriculum revision

For the A.A.S. in Nursing (# 0320), reduce the service-learning requirement to 10 hours.

End of SECTION III

(COURSE & CURRICULUM CHANGES NOT INCLUDED IN 2016-2017 CATALOG)

