The Office of Research, Curriculum and Planning is in its 24th year with our *Academic Briefing*. This is a publication 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 (2013-2014) academic year.

An electronic version of this document may be found online at www.oakton.edu/academic_briefing_2013.pdf.

**SECTION I**  Corrections/Updates to the 2013-2014 Catalog.....................................................Page 2

**SECTION II**  Course & Curriculum Changes Included in the 2013-2014 Catalog.........................Pages 3 – 13

**SECTION III**  Course & Curriculum Changes Not Included in the 2013-2014 Catalog ..........Pages 14 – 19
SECTION I
CORRECTIONS/UPDATES: 2013-2014 CATALOG

page 228  Insert:

CNS 181  4:3:2
Implementing Cisco Network Security
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 Cisco Certified Networking Associate (CCNA) Security
Certification exam. **Prerequisite:** CNS 144 with a minimum grade of C or CCNA
Certification or consent of instructor.  Fee: $40

page 275  Corrected course description:

MAT 110
Intermediate Algebra
Course covers algebraic principles at intermediate level. Content includes real and
complex numbers, exponents, polynomials, radicals, first- and second-degree equations,
systems of equations, inequalities, and rational expressions. Course objectives will be
achieved using computer-assisted learning, group discussions, and individual tutoring.
SECTION II
COURSE & CURRICULUM CHANGES INCLUDED IN 2013-2014 CATALOG

ACCOUNTING

Curriculum revision

CPA Preparation Certificate (# 0006) – change requirements; total semester credit hours remain the same.

AUTOMOTIVE TECHNOLOGY (Apprenticeship)

Curriculum addition

Add a 28-credit-hour Automotive Technology Driveline Certificate (# 0032).

Curriculum revisions

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

Automotive Technology (Apprenticeship) Certificate (# 0030) – Change requirements; total semester credit hours decrease to 22.

Course additions

ATA 113  3:2:2
Brake Systems
Course studies fundamentals of passenger car brakes systems. Topics include hydraulic systems, power brake systems and self-adjusting brakes.
Prerequisite: ATA 102 and consent of department chair  Fee: $30

ATA 114  3:2:2
Steering, Balancing, and Alignment
Course studies fundamentals of manual and power steering, principles of front end alignment and wheel balancing. Focus is on troubleshooting and service area, using manufacturer’s manuals.
Prerequisite: ATA 102 and consent of department chair.  Fee: $30

Course withdrawal

ATA 112  Brakes, Steering, Balancing, and Alignment

BIOLOGY

Course revisions

BIO 111
Principles of Pharmacology
Change course number to 244
Change prerequisite to: BIO 231
BIO 131
Human Anatomy and Physiology I
Change course number to 231
Change prerequisite to: BIO 101 or BIO 121 or one year of high school biology. Students who earn grades other than A, B, or C in BIO 231 must complete COL 120 with minimum grade of C for re-enrollment in BIO 231.

BIO 132
Human Anatomy and Physiology II
Change course number to 232
Change prerequisite to: BIO 231 with a minimum grade of C.

BIO 151
Microbiology
Change course number to 251
Change prerequisite to: BIO 121 (preferred) with a minimum grade of C or BIO 231 with a minimum grade of C.

COMPUTER APPLICATIONS FOR BUSINESS

Curriculum addition
Add a seven-semester-credit-hour Microsoft Office User Certificate (# 0309).

Curriculum revisions
Microsoft Office Specialist MCAS Certificate (# 0133) – change title to Microsoft Office Advanced Specialist Certificate; change requirements; total semester credit hours decrease to 15.

Computer Applications for Business A.A.S. Desktop Publishing Track (# 0301) – change title to Creative Software Track; change requirements; total semester credit hours in the track remain the same.

Desktop Publishing Professional Certificate (# 0311) – change title to Creative Software Master Certificate; change requirements; total semester credit hours decrease from 38 to 30.

Desktop Publishing Specialist Certificate (# 0310) – change title to Creative Software Specialist Certificate; change requirements; total semester credit hours decrease from 18 to 15.

Microsoft Office Specialist Certificate (# 0306) – change requirements; total semester credit hours remain the same.

Curriculum withdrawals
Microsoft Office Specialist Excel Expert Certificate (# 0304)
Microsoft Office Specialist Word Expert Certificate (# 0305)
Course revisions:

CAB 104
Skill Building and Formatting
Change course description to:
Course provides an interactive and engaging approach for skill building, business document formatting, and improving your speed and accuracy while building a marketable skill set. This course will also focus on the following: document design skills, word processing skills, and communication skills.

CAB 175
Adobe Illustrator
Change course description to:
Course introduces Adobe Illustrator software, the industry standard for graphic designers and technical illustrators, marketing and sales. Content includes object-based drawing applications using practical exercises and includes reflecting, shearing and blending objects, drawing, layers, charting and web graphics to create professional, computer based illustrations.

CAB 235
Advanced Spreadsheets Using Excel
Change credit:lecture:lab ratio to 2:2:1

CAB 265
Advanced Desktop Publishing
Change title to: Advanced Adobe InDesign
Change course description to:
Course is project oriented using advanced InDesign techniques. Content includes design decisions, graphics creation, scaling and cropping, and typeface options and manipulations, as well as the creation of various types of publications. Focus is on coordination of all the components within the publishing process. Student will design, write and produce a major project, such as an annual report. Change prerequisite to: CAB 165 with a minimum grade of C.

CAB 281
Software for Graphic Design
Change course description to:
Course is a project oriented capstone class in which the student uses current illustration and design software packages to create various professional modes of output. Adobe Photoshop and Adobe Illustrator are used along with Adobe InDesign. Change prerequisite to: CAB 165, CAB 172 and CAB 175, each with a minimum grade of C.

COMPUTER INFORMATION SYSTEMS

Course addition

CIS 261 3:2:2
System Configuration using SAP
Course provides students with fundamental knowledge and hands-on experience with enterprise systems: design; configuration; implementation; and deployment of an ERP system within a contemporary business environment.
Prerequisite: CIS 249 Fee: $30
COMPUTER NETWORKING AND SYSTEMS

Course revision

CNS 190
Microsoft Windows Command Line Administration
Change course description to:
Course concentrates on Command Line support for the character based interface used to manage Windows Server that boasts a vast range of functions, commands and applications, using intermediate and advanced tools. Topics include knowledge and skills necessary to administer Microsoft Windows Server and Workstation in a variety of environments from the Command Line. Focus is on the most recent release of Windows.

EARLY CHILDHOOD EDUCATION

Curriculum revision

Early Childhood Education Administration Certificate (# 0076) – Change requirements; total semester credit hours are reduced to 33.

EDUCATION

Course revision

EDN 999
Preparing for the Illinois Basic Skills Test
Change course number to EDN 100
Change course title to: Preparing for the TAP (Test of Academic Proficiency)
Change course description to:
Course is designed to prepare prospective teachers to take and pass the TAP (Test of Academic Proficiency) by refreshing and/or improving skills and abilities in Reading, language Arts, Writing and Mathematics. Students must have basic computer skills. The length of course will vary as it may be possible for students to “competency out” before the end of the semester.
Update CIP Code to 13.1298

ELECTRONICS AND COMPUTER TECHNOLOGY

Curriculum reinstated

Transportation, Warehousing and Logistics Certificate (# 0176)

ENGLISH

Course revisions

EGL 074
Academic Writing for the Non-Native Speaker I
Change credit:lecture:lab to 3:3:1
Add fee: $10
EGL 075
Academic Writing for the Non-Native Speaker II
Change credit:lecture:lab to 3:3:1
Add fee: $10

EGL 076
Academic Writing for the Non-Native Speaker III
Change credit:lecture:lab to 3:3:1
Add fee: $10

HEALTH INFORMATION TECHNOLOGY

Curriculum revisions

Health Information Technology A.A.S. (# 0285) – change electives; total semester credit hours remain the same.

Medical Billing Certificate (# 0288) – change requirements; total semester credit hours increase to 16.

Curriculum withdrawal

Medical Office Management Certificate (# 0289)

Course additions

HIT 111 2:2:0
ICD-10-CM – Coding for Physician Office
Course teaches students how to use the ICD-10-CM coding system to assign diagnostic codes to patient-physician encounters. Work focuses on acquiring skills in coding diseases and conditions. After learning the basic steps in code selection, the class concentrates on applying this skill to the physician practice setting.
Prerequisite: HIT 104 with minimum grade of C or consent of instructor.

HIT 112 3:3:0
Anatomy and Physiology for ICD-10-CM Coding
Course presents anatomy and physiology through an anatomic overview and basic knowledge of body organs, body systems and disease pathology for coding within the ICD-10-CM coding system.
Prerequisite: HIT 104 with minimum grade of C.

Course revisions

HIT 108
Classification of Health Data ICD-10-CM/PCS
Change title to: International Classification of Disease (ICD)
HIT 115
Insurance Procedures for the Medical Office: Medicare
Change prerequisite to: Consent of instructor.

HIT 116
Insurance Procedures for the Medical Office: Non-Medicare
Change prerequisite to: Consent of instructor.

HIT 125
Medical Billing Practices
Change credit:lecture:lab ratio to 2:2:0

HIT 201
Fundamentals of Medical Science
Change prerequisite to: HIT 105 with minimum grade of C or concurrent enrollment; HIT 108, HIT 170, and BIO 132 with minimum grades of C; and consent of instructor or department chair.

HIT 221
Quality Improvement and Assessment in Healthcare
Change prerequisite to: HIT 108, HIT 201, and BIO 132 with minimum grades of C; and consent of instructor or department chair.

Course withdrawal

HIT 113 ICD-9-CM Coding for the Physician Office

HISTORY

Course addition

HIS 203 3:3:0
History of South Asia I
Course surveys the historical development of South Asia from antiquity to independence in 1947. Content includes social, political, and economic developments. Focus is on the role of intellectual currents, literature and art in shaping the identity of the peoples studied, as well as comparisons and contrast of unifying themes such as early modern global networks of trade, the colonial experience, and the role of religion in experiences of various civilizations.

Course revision

HIS 140
History of Contemporary Non-Western Civilizations
Change course description to:
Course surveys the political, social and economic history of selected non-western cultures since 1945. Content includes the study of at least four cultures, drawn from Asia, the Middle East, Africa and Latin America.
**LAW ENFORCEMENT**

*Curriculum revision*

Law Enforcement A.A.S. (# 0240) – Change requirements; total semester credit hours remain the same.

*Course additions*

- LAE 251  
  Law Enforcement Practicum  
  Course provides students with a broad experience through appropriate observation and directed experience in operating segments of law enforcement. It takes place in partnership agreements between Oakton Community College and host law enforcement agencies. Students are assigned to the agency in addition to participation in regularly conducted review sessions to assess the student’s progress, problem areas and the work environment. The students must complete minimum of 8 hours of service a week for 16 weeks during the semester. Prerequisite: Completion of a minimum of 15 credits in LAE with a grade of C or better in each course and consent of program chair.

- LAE 290  
  Topics in Law Enforcement  
  Course designed to meet the special needs of the law enforcement program student in current issues in the profession (e.g. leadership, ethics, administration, community relations, supervision, and manpower allocation). Special topics will be offered for variable credit from one to four semester credit hours. Students may repeat LAE 290 up to three times on different topics for a maximum of nine semester credit hours. 
  Prerequisite: May vary by topic. 
  Fee varies

*Course withdrawals*

- LAE 145  
  International Terrorism
- LAE 220  
  Organized Crime

**MARKETING MANAGEMENT**

*Curriculum revisions*

Marketing Management A.A.S. (# 0265) – change requirements; total credit hours remain the same.

Marketing Management Certificate (# 0444) – change requirements; total semester credit hours decrease from 30 to 18.

Marketing Communications Certificate (# 0446) – change requirements; total credit hours remain the same.

*Curriculum withdrawals (and one inactivation)*

- Business Marketing Certificate (# 0445)
- e-Business Certificate (# 0456)
- Green Marketing Preparation Certificate (# 0260) (Inactivate)
- Professional Selling Skills Certificate (# 0263)
Public Relations Certificate (# 0458)
Small Business Marketing Certificate (# 0448)

**Course withdrawals**

MKT 142 Green Marketing
MKT 211 Management of the Sales Force
MKT 213 Retailing
MKT 225 Business Marketing
MKT 239 Direct Response Marketing
MKT 243 Managing Publications
MKT 263 Green Events Planning
MKT 265 Interactive Marketing

**Management and Supervision**

**Curriculum addition**

Add a 21-semester-credit-hour Organization Management Certificate (# 0224).

**Curriculum revisions**

AAS in Management and Supervision (# 0226) – change requirements; total semester credit hours remain the same.

Human Resource Specialist Certificate (# 0235) – change requirements; total semester credit hours decrease from 21 to 18.

Leadership Excellence Certificate (# 0223) – change requirements; total semester credit hours decrease from 18 to 15.

**Curriculum withdrawal**

Management and Supervision Certificate (# 0225)

**Course withdrawals**

MGT 105 Basic Business Skills
MGT 126 Introduction to Green Business
MGT 127 Green Policy, Law, and Government Regulations
MGT 223 Quality Systems Leadership
MGT 267 Compensation and Benefits Administration
MGT 280 Human Resources Certification Exam Preparation
MATHEMATICS

Course revisions

MAT 060
Prealgebra
Change course description to:
Course is preparation for introductory algebra course. Content includes fundamental concepts, operations, and applications of arithmetic in basic algebraic contexts, including linear equations, statistics, square roots, graphing, and polynomials. Arithmetic topics treated include rational numbers, decimals, percents, and measurement. Course objectives will be achieved using computer-assisted learning, group discussions, and individual tutoring.

MAT 070
Algebraic Foundations and Elementary Algebra
Change title to: Elementary Algebra
Change course description to:
Course prepares students for an intermediate algebra course by covering the fundamental concepts, operations, and applications of basic algebra. Algebraic topics include linear equations and inequalities, polynomial operations, graphing equations and inequalities in two variables, and systems of equations. Course objectives will be achieved using computer-assisted learning, group discussions, and individual tutoring.

MAT 080
Elementary Plane Geometry
Change course description to:
Course introduces elements of plane geometry. Content includes points, lines, planes, angles, triangles, congruence, quadrilaterals, area, similarity and circles. Course objectives will be achieved using computer-assisted learning, group discussions, and individual tutoring.

MAT 110
Intermediate Algebra
Change course description to:
Course covers algebraic principles at intermediate level. Content includes real and complex numbers, exponents, polynomials, radicals first- and second-degree equations system of equations inequalities and rational expressions. Course objectives will be achieved using computer-assisted learning, group discussions, and individual tutoring.

MAT 125
Quantitative Literacy
Change title to: General Education Mathematics
Change course description to:
Course focuses on mathematical reasoning and the solving of real-life problems. Topics include: counting techniques and probability, logic, set theory, and mathematics of finance. Calculators/computers used when appropriate.
MECHANICAL DESIGN/CAD

Curriculum revisions

General Design Certificate (# 0284) – Change requirements; total semester credit hours remain the same.

Industrial Design Engineering Certificate (# 0278) – Change requirements; total semester credit hours remain the same.

PHYSICAL THERAPIST ASSISTANT

Course addition

PTA 270 2:2:1
Principles of Joint Mobilization for the PTA
Course introduces knowledge of peripheral joint mobilization. Content includes theory and practice of peripheral joint mobilization, and associated soft tissue mobilization as suitable for the Physical Therapist Assistant. Focus of lecture and laboratory sessions is on anatomy, reasoning, and treatment techniques. Prerequisite: PTA 210 and PTA 207 with minimum grade of C in all courses; PTA 261 or concurrent enrollment; concurrent enrollment in PTA 220, PTA 230 (or licensed PTA).

PHYSICS

Course addition

PHY 140 4:3:3
Fundamentals of Nanotechnology I
Course introduces the nanoworld, including topics in nanophysics, nanochemistry and nanobiology, including forces, fluidics, wave nature of light, atoms and molecules, nanoscale structures, biological function at the nanoscale and practical applications in each field. Hands-on laboratory activities make use of dip-pen nanolithography, atomic force microscopy, and fluorescence microscopy. Prerequisite: MAT 070 or placement into MAT 110, and one year of high school biology and one year of high school chemistry. Fee: $50

PERSON-CENTERED ELDER SUPPORT

Course revisions

PES 101
The World of the Elder
Change prefix to ECS

PES 102
Person-Centered Communication
Change prefix to ECS

PES 103
Dementia Care of the Elder
Change prefix to ECS
THEATER

Course addition

THE 156 3:3:0
Acting for the Camera
Course examines the techniques of acting before the camera. Included is an introduction to film acting techniques, relationship to the camera and script as well as physical and verbal cues adaptation. Introductory activities include improvisational work to orient the new actor to the camera with the intent to reduce self-consciousness while building cinematic skills.
SECTION III
COURSE & CURRICULUM CHANGES NOT INCLUDED IN 2013-2014 CATALOG
[APPROVED AFTER CATALOG WENT TO PRESS]

ACCOUNTING

Course revision

ACC 153
Principles of Financial Accounting
Change course description to:
Course covers preparation and analysis of financial information using generally accepted accounting principles. Content includes the accounting cycle, financial statement preparation, merchandise accounting, internal controls, cash, receivables, inventory, payables, property, plant and equipment, intangible assets, liabilities, stockholders’ equity, cash flow statement, and financial statement analysis.

AUTOMOTIVE TECHNOLOGY (Apprenticeship)

Course additions

ATA 118 4:4:0
Diesel I
Course studies fundamentals of light/medium duty vehicles. Topics include safety, basic diesel engine operation, engine component terminology, cooling and lubrication systems, and air induction.
Prerequisite: ATA 111 or ELT 101 or equivalent; interview with and consent of department chair.
Fee: $30

ATA 218 4:4:0
Diesel II
Course studies fundamentals of light/medium duty vehicles. Topics include; low pressure/high pressure fuel systems, emissions, hydraulic nozzle injector, (HEUI) injector systems, and rail high-pressure injector systems.
Prerequisite: ATA 118 with a minimum grade of C.
Fee: $30

BIOLOGY

Course revisions

BIO 231
Human Anatomy and Physiology I
Change prerequisite to: BIO 101 or BIO 121 or one year of high school biology; demonstrate entry level competency for EGL 090, EGL 097 or EGL 101 by coursework or placement testing. Recommended: CHM 101 or CHM 105.
COMPUTER APPLICATIONS FOR BUSINESS

Curriculum addition

Add a nine-semester-credit-hour General Office Certificate (# 0312).

Curriculum revisions

Executive Support Specialist Certificate (# 0233) – change title to Executive Administrative Professional Certificate; change requirements; total credit hours increase from 31 to 35.

Administrative Assistant Certificate (# 0307) – change requirements; total credit hours decrease from 26 to 24.

Office Information Processing Specialist Certificate (# 0308) – change title to Office Assistant Certificate; change requirements; total credit hours decrease from 19 to 16.

Course revisions

CAB 125
Comprehensive Word Processing
Change title to: Word Processing Using Word
Change course description to:
Course offers a comprehensive coverage of word processing using Microsoft Word. Hands-on applications reinforce features and skills learned in the course. It also prepares students to use Microsoft Word as a marketable skill in a work environment or for personal use.
Change recommendation to: CAB 110 or general knowledge of Windows; and the ability to type 20 wpm or consent of the instructor.

CAB 180
Automated Office Procedures
Change title to: Administrative Office Management and Professional Development
Change course description to:
Course provides a dynamic and integrated approach to the ever-changing demands and responsibilities of the office professional in today’s global job market. It is designed for the student who would like to develop the essential soft skills and hard skills needed in office administration for a wide range of industries and companies. Emphasis is placed on integrating skills using appropriate software applications and developing critical-thinking skills, problem-solving skills, and decision-making skills in real-life applications.
Change recommendation to: Basic computer coursework or comparable work experience.

CAB 225
Word Processing and Web Design
Change title to: Advanced Word Processing and Publishing
Change credit:lecture:lab ratio to 2:2:1
Change course description to:
Course reinforces word processing and desktop publishing concepts through instruction and exercises in which students create business-quality documents. Exercises are designed to build proficiency in the desktop publishing features in Word and to develop skills in critical thinking, decision making, and creativity. Based on real-life situations, students plan, design, and evaluate business and personal
documents for publication. This course is designed for majors in Computer Applications for Business (CAB) and for those who wish to expand their word processing and desktop publishing skills. Change recommendation to prerequisite: CAB 125 or consent of instructor.

**COMPUTER INFORMATION SYSTEMS**

*Curriculum addition*


**COMPUTER NETWORKING AND SYSTEMS**

*Curriculum revisions*

Computer Networking and Systems A.A.S. (# 0142) – Add CNS 101 to electives; total credit hours remain the same.

Computer Networking and Systems Network Security Administration A.A.S. (# 0148) – Add CNS 101 to electives; total credit hours remain the same.

*Course additions*

CNS 101 1:1:0
Orientation to IT Professions
Course enables students to analyze the field of Information Technology. Topics include a survey of the IT professions, employment skills, definitions, associations, current issues, salaries, and self-assessment survey of skills and competencies. Students are required to attend a local meeting of a professional association related to the field.

CNS 146 3:2:2
Health Information Networking (HIN)
Course equips students with knowledge and skills that can be applied toward entry level specialist careers in healthcare networking. Topics include: basic information on healthcare settings; principles of security and privacy in healthcare; fundamentals of information technology in healthcare; fundamentals of electronic health record (EHR) systems; basic information on medical practice workflows and how to adjust workflows for electronic medical record implementations; designing a network to support a medical group; securing a network for a medical group; and troubleshooting a network for a medical group. Prerequisite: CNS 141 and CNS 142; CNS 143 or consent of instructor, coordinator or program chair. Recommended: General attitude or disposition toward a program of study and career in internetworking in a healthcare setting. Fee: $40

CNS 160 2:2:1
Fundamentals of Virtualization Technologies
Course presents the fundamentals of virtualization technology using the latest virtualization products in networked server environments. Students gain the knowledge necessary to install virtual networks, implement high-availability clusters, and enhance performance and security and build the skills necessary for the understanding of virtualization. Recommended: CNS 105 or consent of instructor, coordinator or program chair. Fee: $40
CNS 165 3:2:2
Fundamentals of Cellular Technologies
Course presents the fundamentals of cellular technologies for emerging markets: 2G, 3G, 4G LTE and beyond. Recommended: CNS 105 or consent of instructor, coordinator or program chair.
Fee: $40

Course revision
CNS 181
Advanced Network Security I
Change title to: Implementing Cisco Network Security
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 Cisco Certified Networking Associate (CCNA) Security Certification exam.
Change recommendation to prerequisite: CNS 144 with a minimum grade of C or CCNA Certification, consent of instructor or department chair.

Course withdrawals
CNS 240  Microsoft Introduction to Windows Small Business Server (SBS) Administration
CNS 241  Microsoft Advanced Windows Small Business Server (SBS) Administration

EARLY CHILDHOOD EDUCATION

Curriculum revisions
A.A.S. in Early Childhood Education (# 0070) – change Gen Ed requirements for Area B; total semester credit hours remain the same.

Advanced Early Childhood Education Certificate (# 0069) – change MAT requirement; total semester credit hours remain the same.

Advanced Infant Toddler Certificate (# 0073) – change MAT requirement; total semester credit hours remain the same.

ELECTRONICS AND COMPUTER TECHNOLOGY

Course revision
ELT 105
Cisco Fundamentals of Voice and Data Cabling
Change title to: Cisco Network Infrastructure Essentials

ENGLISH

Course revision
EGL 235
Studies in Shakespeare
Change prerequisite to: EGL 101 or placement in EGL 101.
HEALTH INFORMATION TECHNOLOGY

Course withdrawals

HIT 180  Issues in Medical Office Management
HIT 185  Practicum: Medical Office Management

HISTORY

Course revision

HIS 221
History of Great Britain and Ireland to 1600
Change course description to:
Course examines the political, economic, social and cultural history of Great Britain and Ireland from the Paleolithic era through the end of the Tudor dynasty.

HUMAN SERVICES

Curriculum revision

Human Services Certificate (# 0209) – change elective requirements; total credit hours remain the same.

Course revision

HSV 155
Substance Abuse Practicum I
Change course number to 250

MANUFACTURING TECHNOLOGY

Curriculum addition

Add a 12-credit-hour Mechatronics Supply Chain Technician Certificate (# 0264).

NATURAL SCIENCE

Course withdrawal

NSC 102  Introduction to Physical Science

PHARMACY TECHNICIAN

Curriculum inactivation

Aseptic Pharmaceutical Preparations Certificate (# 0283)
PHYSICS

Course addition

PHY 141 4:3:3
Fundamentals of Nanotechnology II
Course continues discussion of topics covered in PHY 140 at greater depth, including topics in nanophysics, nanomechanics, nanoelectronics, and nanobiology, including forces, fluidics, wave nature of light, photonics, atomic and molecular bonds, nanoscale structures, unit cells, crystals, quantum mechanics, electronic band structure, conductivity, and thermal properties of materials. Hands-on laboratory activities make use of dip-pen nanolithography, atomic force microscopy, fluorescence microscopy, and particle size characterization.
Prerequisite: PHY 140 with minimum grade of C. Fee: $50

PSYCHOLOGY

Course revisions

PSY 230
Behavioral Sciences Practicum I
Change course description to:
Course provides planned and supervised field experience in human services environment. Minimum 250 (two-hundred-fifty) hours in a supervised field experience, content includes identification of practicum objectives for student, in consultation with the site supervisor and faculty supervisor. Focus is on supervised practical work experience to develop an understanding of the helping process and the role of the helping professional.
Change prerequisite to: HSV 110, HSV 121, PSY 107, PSY 130, PSY 235, and PSY 238, each with a minimum grade of C, or consent of department coordinator.

PSY 237
Drugs and Behavior: The Psychology and Physiology of Addiction
Change title to: Psychopharmacology

SPEECH

Course addition

SPE 220 3:3:0
Competitive Speaking
Course provides study and practice within 11 different individual events, along with Debate and Interpreters Theater that are commonly a part of forensic competition. Course focuses on research of subject matter, performance, and professionalism as a competitive speaker. Successful completion of the course requires students to engage in competitive intercollegiate forensics as a productive member of a speech team.
Prerequisite: Completion of SPE 103 with a minimum grade of C or instructor consent.
Course may be repeated up to three times