

**BASED ON THE 2014-2015 LORAIN COUNTY COMMUNITY COLLEGE CATALOG AND THE
2015-2016 TIFFIN UNIVERSITY ACADEMIC BULLETIN**
Lorain County Community College Course Equivalence

LORAIN COUNTY COMMUNITY COLLEGE

TIFFIN UNIVERSITY

Sem. Hr.

Sem. Hr.

ACCOUNTING (ACTG)

ACTG115 Accounting Procedures with QuickBooks	3	ACC100 Accounting Elective	3
ACTG151 Accounting I-Financial	4	ACC201 Survey of Accounting	3
ACTG152 Accounting II-Managerial	4	ACC228 Managerial Accounting	3
ACTG161 Payroll Accounting	3	ACC100 Accounting Elective	3
ACTG199 Introduction to the World of Work-ACTG	1	OE 100 Open Elective	3
ACTG251 Intermediate Accounting I	4	ACC301 Intermediate Accounting I	3
ACTG252 Intermediate Accounting II	4	ACC302 Intermediate Accounting II	3
ACTG253 Forensic Accounting	3	ACC200 Accounting Elective	3
ACTG265 Cost Accounting	3	ACC313 Cost Accounting I	3
ACTG267 Federal Income Tax Procedures- Individuals	4	ACC304 Federal Income Tax	4
ACTG287 Work-Based Learning I	1-3	OE 200 Open Elective	N/A
ACTG288 Work-Based Learning II	1-3	OE 200 Open Elective	N/A
ACTG289 Work-Based Learning III	1-3	OE 200 Open Elective	N/A
ACTG299 Individualized Studies in Accounting	1-2	ACC200 Accounting Elective	N/A

AUTOMATION ENGINEERING TECHNOLOGY (AETC)

AETC111 Robotics and Automated Manufacturing	3	OE 100 Open Elective	3
AETC121 Programmable Logic Controllers	3	OE 100 Open Elective	3
AETC131 Piping Systems and Codes	3	OE 100 Open Elective	3
AETC132 Pneumatic Components and Systems	2	OE 100 Open Elective	2
AETC199 Introduction to the World of Work- AETC	1	OE 100 Open Elective	1
AETC211 Workcell Interfacing	3	OE 200 Open Elective	2
AETC221 Automated Systems Troubleshooting	2	OE 200 Open Elective	2
AETC222 Hydraulic Components and Circuits	2	OE 200 Open Elective	3
AETC223 Programmable Logic Controllers II	3	OE 200 Open Elective	3
AETC231 Flexible Manufacturing Systems	3	OE 200 Open Elective	3
AETC235 Computer Integrated Manufacturing	3	OE 200 Open Elective	3
AETC241 Instrumentation and Control	3	OE 200 Open Elective	3
AETC287 Work-Based Learning I-Automation Engineering Techn	1-3	OE 200 Open Elective	N/A
AETC299 Independent Studies/Automation Technology	1	OE 200 Open Elective	1

ALTERNATIVE ENERGY TECHNOLOGY (ALET)

ALET111 Introduction to Alternative Energy	3	OE 100 Open Elective	3
ALET112 Alternative Energy Mechanical Systems	4	OE 100 Open Elective	4
ALET113 OSHA Construction Safety Technologies	1	OE 100 Open Elective	1
ALET220 Wind Turbine Technology I	3	OE 200 Open Elective	3
ALET221 Wind Turbine Technology II	3	OE 200 Open Elective	3
ALET222 Solar Thermal Systems	4	OE 200 Open Elective	4
ALET223 Photovoltaic Systems	4	OE 200 Open Elective	4

ALLIED HEALTH AND NURSING (ALHN)

ALHN105 Career Exploration in Hemodialysis Technology	1 OE 100 Open Elective	1
ALHN107 Career Exploration in Diagnostic Medical Sonography	1 OE 100 Open Elective	1
ALHN110 Medical Terminology	3 MGT151 Medical Terminology	3
ALHN112 Introduction to Medical Terminology	1 OE 100 Open Elective	1
ALHN113 Introduction to Patient Care	1 OE 100 Open Elective	1
ALHN114 Nurse Aide Training	5 OE 100 Open Elective	5
ALHN116 Medication Aide Training	5 OE 100 Open Elective	5
ALHN118 Pharmacology for Allied Health and Nursing	3 OE 100 Open Elective	3
ALHN121 General Pathology	2 OE 100 Open Elective	2
ALHN125 Applied Clinical Ethics for Healthcare Professionals	3 OE 100 Open Elective	3
ALHN221 Healthcare in Developing Nations	4 OE 100 Open Elective	4
ALHN287 Work Based Learning I	1-3 OE 200 Open Elective	N/A

ADMINISTRATIVE OFFICE INFORMATION SYSTEMS (AOIS)

AOIS101 Basic Keyboarding	1 OE 100 Open Elective	1
AOIS110 Keyboarding Basic II	2 OE 100 Open Elective	2
AOIS111 Keyboarding Skills Development	3 OE 100 Open Elective	3
AOIS112 Keyboarding Intermediate	3 OE 100 Open Elective	3
AOIS131 Word	3 OE 100 Open Elective	3
AOIS141 Administrative Technology	2 OE 100 Open Elective	2
AOIS217 Access	3 OE 100 Open Elective	3
AOIS232 Integrated Office Management Systems	3 OE 200 Open Elective	3
AOIS241 Career Management	1 OE 200 Open Elective	1
AOIS287 Work-Based Learning I-Administrative Office Info Systems	1-3 OE 200 Open Elective	N/A
AOIS288 Work-Based Learning II-Administrative Office Info Systems	1-3 OE 200 Open Elective	N/A
AOIS289 Work-Based Learning III-Admin Office Info Systems	1-3 OE 200 Open Elective	N/A
AOIS299 Individualized Studies in Administrative Office Info Systems	1-2 OE 200 Open Elective	N/A

ARABIC (ARAB)

ARAB151 Elementary Arabic I	4 ARB101 Elementary Modern Standard Arabic I	3
ARAB152 Elementary Arabic II	4 ARB102 Elementary Modern Standard Arabic II	3

ARCHAEOLOGY (ARCH)

ARCH155G Introduction to Archaeology	3 OE 100 Open Elective	3
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ARTS (ARTS)

ARTS151 Photography I	3 COM134 Digital Photography	3
ARTS152 Photography II	3 OE 100 Open Elective	3
ARTS157 Art Methods for the Elementary Teacher	3 OE 100 Open Elective	3
ARTS158 Printmaking	3 OE 100 Open Elective	3
ARTS161 Drawing I	3 OE 100 Open Elective	3
ARTS162 Drawing II	3 OE 100 Open Elective	3
ARTS165 Two-Dimensional Design	3 ART120 Two-Dimensional Foundations	3
ARTS167 Three-Dimensional Design	3 ART130 3-Dimensional Foundations	3
ARTS171 Painting I	3 ART100 Art Elective	3
ARTS172 Painting II	3 ART100 Art Elective	3

ARTS181 Ceramics I	3 ART100 Art Elective	3
ARTS182 Ceramics II	3 ART100 Art Elective	3
ARTS185 Sculpture	3 ART100 Art Elective	3
ARTS243 Art History I	3 ART201 Introduction to Art History	3
ARTS244 Art History II	3 ART200 Art Elective	3
ARTS245 World Art	3 ART210 Art Appreciation	3
ARTS246 History of Photography	3 ART200 Art Elective	3
ARTS274 Crafts as Studio Art	3 ART200 Art Elective	3
ARTS252 Photography III	3 ART200 Art Elective	3
ARTS254 History of American Architecture	3 ART200 Art Elective	3
ARTS260 Life Drawing I	3 ART200 Art Elective	3
ARTS261 Graphic Design I	3 ART200 Art Elective	3
ARTS262 Graphic Design II	3 ART200 Art Elective	3
ARTS263 Graphic Design III	3 ART200 Art Elective	3
ARTS264 Non-Linear Editing	3 ART200 Art Elective	3
ARTS265 Life Drawing II	3 ART200 Art Elective	3
ARTS271 Digital Imaging	3 ART200 Art Elective	3
ARTS272 Digital Illustration	3 ART200 Art Elective	3
ARTS273 2-D Animation and Motion Graphics	3 ART200 Art Elective	3
ARTS274 Web Design I	3 CIS255 Internet and Website Development	3
ARTS275 Digital Photography	3 COM134 Digital Photography	3
ARTS276 3-D Modeling and Animation	3 ART200 Art Elective	3
ARTS277 Typography	3 ART200 Art Elective	3
ARTS278 3-D Modeling and Animation II	3 ART200 Art Elective	3
ARTS279 Web Design II	3 CIS100 Computer Information Systems Elective	3
ARTS280 Computer Programming for Artists	3 ART200 Art Elective	3
ARTS285 Portfolio	1 OE 200 Open Elective	1
ARTS287 Work Based Learning I	1-3 ART200 Art Elective	N/A
ARTS299 Individualized Studies in Art	1-2 NAT200 Natural Science Elective	N/A
ASTRONOMY (ASTY)		
ASTY151 Stars, Galaxies and Cosmology	4 NAT100 Natural Science Elective	4
ASTY152 Solar System Astronomy	3 NAT100 Natural Science Elective	3
ASTY299 Individualized Studies in Astronomy	1-2 NAT200 Natural Science Elective	N/A
AVIATION (AVIA)		
AVIA111 Private Pilot Ground School	4 OE 100 Open Elective	4
BUSINESS ADMINISTRATION (BADM)		
BADM153 Recruitment, Selection, Training and Development	3 MGT131 Introduction to human Resources & Ethics	3
BADM154 Compensation and Benefits	3 MGT100 Management Elective	3
BADM155 Introduction to Business Administration	3 MGT121 How Business Works	3
BADM161 Business Law I	3 LAW211 Business Law I	3
BADM162 Business Law II	3 LAW212 Business Law II	3
BADM164 Labor Law	3 MGT100 Management Elective	3
BADM165 Legal Environment of Business	3 MGT100 Management Elective	3
BADM171 Introduction to E-Commerce	3 MGT100 Management Elective	3

BADM199 Introduction to the World of Work	1 OE 100 Open Elective	1
BADM211 Business Communications	3 COM200 Communication Elective	3
BADM220 Principles of Supply Chain Management	3 MGT221 Supply Chain Management	3
BADM221 Import/Export Fundamentals	3 MGT200 Management Elective	3
BADM226 International Logistics	3 MGT200 Management Elective	3
BADM244 Project Management	3 MGT200 Management Elective	3
BADM251 Principles of Management	3 MGT201 Management of Organizations	3
BADM252 Principles of Transportation Logistics	3 MGT200 Management Elective	3
BADM253 Principles of Industrial Distribution	3 MGT200 Management Elective	3
BADM255 Human Resources Management	3 MGT317 Human Resource Management	3
BADM264 Labor-Management Relations	3 MGT200 Management Elective	3
BADM281 International Business	3 MGT200 Management Elective	3
BADM287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
BADM288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A
BADM289 Work-Based Learning III	1-3 OE 200 Open Elective	N/A
BADM299 Individualized Studies in Business Administration	1-2 OE 200 Open Elective	N/A

BANKING (BANK)

BANK105 Principles of Banking	3 OE 100 Open Elective	3
BANK287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
BANK288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A
BANK289 Work-Based Learning III	1-3 OE 200 Open Elective	N/A

BIOLOGY (BIOG)

BIOG050 Preparing for Anatomy & Physiology I	2 NC	*
BIOG051 Preparing for Anatomy & Physiology II	2 NC	*
BIOG115 Body Structure and Function	3 NAT100 Natural Science Elective	3
BIOG121 Anatomy and Physiology I	4 NAT150 Introduction to Anatomy & Physiology	3
BIOG122 Anatomy and Physiology II	4 NAT100 Natural Science Elective	4
BIOG123 Cross-Sectional Anatomy	2 NAT100 Natural Science Elective	2
BIOG145 Introduction to Oceanography	3 NAT210 Oceanography	3
BIOG151 General Biology	4 BIO101 Contemp Biological Problems + BIO101L	3+1
BIOG152 Human Biology	4 BIO100 Biology Elective	4
BIOG153 Basic Human Nutrition	3 NAT100 Natural Science Elective	3
BIOG156 HIV/AIDS	1 OE 100 Open Elective	1
BIOG158 Bird Watching	2 OE 100 Open Elective	2
BIOG159 Aquatic Life	3 OE 100 Open Elective	3
BIOG161 Principles of Biology I	4 BIO101 Contemporary Biological Problems	4
BIOG162 Principles of Biology II	4 BIO100 Biology Elective	4
BIOG163 The Microbial World	4 BIO100 Biology Elective	4
BIOG164 Exploration In Field Science	3 BIO100 Biology Elective	3
BIOG165 Introduction to Ecology	3 NAT100 Natural Science Elective	3
BIOG251 General Microbiology	4 BIO200 Biology Elective	4
BIOG252 Microbiology	5 BIO200 Biology Elective	5
BIOG260 Botany	4 NAT200 Natural Science Elective	4
BIOG268 Clinical Nutrition	3 NAT200 Natural Science Elective	3
BIOG275 Genetics	4 NAT200 Natural Science Elective	4

BIOG281 Molecular Biology	4 BIO200 Biology Elective	4
BIOG282 Methods in Biotechnology I	3 BIO200 Biology Elective	3
BIOG283 Methods in Biotechnology II	3 BIO200 Biology Elective	3
BIOG287 Work-Based Learning I-Biology	1-3 OE 200 Open Elective	N/A
BIOG288 Work-Based Learning II-Biology	1-3 OE 200 Open Elective	N/A
BIOG289 Work-Based Learning III-Biology	1-3 OE 200 Open Elective	N/A
BIOG299 Individualized Studies in Biology	1-2 OE 200 Open Elective	N/A

COMPUTER AIDED DESIGN (CADD)

CADD111 Introduction to Computer Aided Drafting	2 OE 100 Open Elective	2
CADD201 3D Computer Drafting	3 OE 200 Open Elective	3
CADD212 Introduction to Creo Parametric Pro/Engineer	3 OE 200 Open Elective	4
CADD213 Introduction to SolidWorks	3 OE 200 Open Elective	5
CADD214 Introduction to Inventor	3 OE 200 Open Elective	6
CADD215 Architectural Drafting Using CAD	3 OE 200 Open Elective	7
CADD216 Introduction to 3D Modeling and Printing	1 OE 200 Open Elective	1
CADD220 Rendering and Animation	3 OE 200 Open Elective	3
CADD235 Detailing and Dimensioning	3 OE 200 Open Elective	3
CADD287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
CADD288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A
CADD289 Work-Based Learning III	1-3 OE 200 Open Elective	N/A
CADD299 Individualized Studies in CADD	2 OE 200 Open Elective	2

COMPUTER AIDED MACHINING (CAMM)

CAMM111 Introduction to Computer Numerical Control	2 OE 100 Open Elective	2
CAMM115 Metallurgy	3 OE 100 Open Elective	3
CAMM141 Tool and Die	2 OE 100 Open Elective	2
CAMM215 Advanced CNC Milling	3 OE 200 Open Elective	3
CAMM225 Advanced CNC Lathes	3 OE 200 Open Elective	3
CAMM235 CAD-CAM Graphics	3 OE 200 Open Elective	3
CAMM287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
CAMM288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A
CAMM289 Work-Based Learning III	1-3 OE 200 Open Elective	N/A

COMPUTER GAMES AND SIMULATION DESIGN (CGSD)

CGSD120 Computer Games and Simulation Design-CGSD	3 OE 100 Open Elective	3
CGSD121 2D Game Programming	3 OE 100 Open Elective	3
CGSD125 Flash for Games and Simulations	3 OE 100 Open Elective	3
CGSD130 Game Applications for Emergent Platforms	3 OE 100 Open Elective	3
CGSD221 3D Game Programming	3 OE 200 Open Elective	3
CGSD222 3D Game Level Design	3 OE 200 Open Elective	3
CGSD223 Serious Games and Simulations	3 OE 200 Open Elective	3
CGSD225 Advanced Game Programming	3 OE 200 Open Elective	3
CGSD271 Digital Imaging	3 OE 200 Open Elective	3
CGSD272 Digital Illustration	3 OE 200 Open Elective	3
CGSD276 3-D Modeling and Animation	3 OE 200 Open Elective	3

CHEMISTRY (CHMY)

CHMY155 Chemistry and Society	3 CHM100 Chemistry Elective	3
CHMY161 General, Organic and Biochemistry I	4 CHM100 Chemistry Elective	4
CHMY162 General, Organic and Biochemistry II	4 CHM100 Chemistry Elective	4
CHMY171 General Chemistry I	5 CHM131 General Chemistry I + CHM131L	3+1
CHMY172 General chemistry II	5 CHM132 General Chemistry II + CHM132L	3+1
CHMY265 Quantitative Analysis	5 CHM381 Quantitative Analysis + CHM381L	3+1
CHMY271 Organic Chemistry I	5 CHM331 Organic Chemistry I + CHM331L	3+1
CHMY272 Organic Chemistry II	5 CHM332 Organic Chemistry II + CHM332L	3+1
CHMY273 Quantitative and Analytical Chemistry	5 CHM200 Chemistry Elective	5
CHMY274 Environmental Chemistry	3 CHM200 Chemistry Elective	3
CHMY286 Internship in Environmental Chemistry	3 CHM200 Chemistry Elective	3
CHMY287 Work-Based Learning I-Chemistry	1-3 OE 200 Open Elective	N/A
CHMY299 Individualized Studies in Chemistry	1-2 OE 200 Open Elective	N/A

CHINESE (CHNS)

CHNS151 Elementary Chinese I	4 OE 100 Open Elective	4
CHNS152 Elementary Chinese II	4 OE 100 Open Elective	4

COMPUTER INFORMATION SYSTEMS (CISS)

CISS115 Internet Research and Tools	1 OE 100 Open Elective	1
CISS121 Microcomputer Applications I	3 CIS111 Information Systems & Applications	3
CISS122 Microcomputer Applications II	3 CIS100 Computer Information Systems Elective	3
CISS125 Operating System Interfaces	3 CIS100 Computer Information Systems Elective	3
CISS135 Program Development Using Visual Basic.NET	4 CIS201 Programming	3
CISS136 Advanced Visual Basic.NET	3 CIS100 Computer Information Systems Elective	3
CISS141 Programming on the AS/400	4 CIS100 Computer Information Systems Elective	4
CISS143 Database Design and Implementation	3 CIS100 Computer Information Systems Elective	3
CISS145 Local Area Networks	4 CIS100 Computer Information Systems Elective	4
CISS155 Fundamentals of Network Security	3 CIS100 Computer Information Systems Elective	3
CISS160 Introduction to Programming in C#	4 CIS100 Computer Information Systems Elective	3
CISS161 Introduction to Network Technologies	3 CIS100 Computer Information Systems Elective	3
CISS162 Routing and Switching Essentials	3 CIS100 Computer Information Systems Elective	3
CISS163 Scaling Network	3 CIS100 Computer Information Systems Elective	3
CISS164 Connecting Network	3 CIS100 Computer Information Systems Elective	3
CISS212 Spreadsheet Applications	3 CIS100 Computer Information Systems Elective	3
CISS215 Multimedia Fundamentals	3 CIS200 Computer Information Systems Elective	3
CISS216 Web Development	3 CIS255 Internet and Website Development	3
CISS222 Advanced Programming in C#	3 CIS200 Computer Information Systems Elective	3
CISS226 Introduction to Programming in JAVA	3 CIS200 Computer Information Systems Elective	3
CISS227 Intranet/Internet Working	4 CIS200 Computer Information Systems Elective	4
CISS232 Scripting in the Client Server Environment	3 CIS200 Computer Information Systems Elective	3
CISS240 Certification Examination Preparation	2 CIS200 Computer Information Systems Elective	2
CISS241 Advanced RPG	3 CIS200 Computer Information Systems Elective	3
CISS243 Web Database Integration	4 CIS200 Computer Information Systems Elective	4
CISS244 Project Management	3 CIS412 IT Project Management	3
CISS245 Network Integration and Management	4 CIS200 Computer Information Systems Elective	4

CISS247 Systems Development	3 CIS200 Computer Information Systems Elective	3
CISS248 Introduction to Health Information Networks	3 CIS200 Computer Information Systems Elective	3
CIS251 Cyber Defense Methods	3 CDS200 Cyber Defense Elective	3
CISS252 IT Security Concepts	4 CIT344 Information Security	3
CISS260 Introduction to iPhone/iPad Programming	4 CIS200 Computer Information Systems Elective	4
CISS265 Introduction to Android Programming	4 CIS200 Computer Information Systems Elective	4
CISS266 Advanced Android Programming	4 CIS200 Computer Information Systems Elective	4
CISS268 Mobile Web Development	4 CIS200 Computer Information Systems Elective	4
CISS287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
CISS288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A
CISS289 Work-Based Learning III	1-3 OE 200 Open Elective	N/A
CISS299 Individualized Studies in Computer Information Systems	1-2 OE 200 Open Elective	N/A

CLINICAL LABORATORY SCIENCE TECHNOLOGY (CLSC)

CLSC111 Introduction to Clinical Laboratory Science Technology	2 OE 100 Open Elective	2
CLSC112 Clinical Laboratory Science Analysis and Calculations	2 OE 100 Open Elective	2
CLSC123 Hematology and Immunohematology Case Studies	2 OE 100 Open Elective	2
CLSC131 Introduction to Hematology	2 OE 100 Open Elective	2
CLSC132 Body Fluids and Urinalysis	2 OE 100 Open Elective	2
CLSC133 Hematology I/Urinalysis Clinical Practicum	3 OE 100 Open Elective	3
CLSC134 Advanced Hematology and Hemostasis	2 OE 100 Open Elective	2
CLSC135 Immunohematology Concepts and Procedures	2 OE 100 Open Elective	2
CLSC136 Hematology II/Immuno-hematology Clinical Practicum	3 OE 100 Open Elective	3
CLSC213 Clinical Microbiology, Immunology, and Serology	9 OE 200 Open Elective	9
CLSC221 Clinical Chemistry	10 OE 200 Open Elective	10

COMMUNICATION (CMMC)

CMMC151 Oral Communication	3 COM130 Oral Communication & Presentation	3
CMMC152 Communication Theory	3 COM100 Communication Elective	3
CMMC156 Communication Performance Workshop	1 OE 100 Open Elective	1
CMMC162 Listening	3 COM100 Communication Elective	3
CMMC163 Oral Interpretation	3 COM100 Communication Elective	3
CMMC165 Interpersonal Communication	3 COM100 Communication Elective	3
CMMC167 Job Preparation and Interviewing	1 OE 100 Open Elective	1
CMMC169 Small Group Communication	3 COM100 Communication Elective	3
CMMC175 Persuasion	3 COM100 Communication Elective	3
CMMC177 Intercultural Communication	3 COM100 Communication Elective	3
CMMC199 Introduction to the World of Work-CMMC	1 OE 100 Open Elective	1
CMMC254 Nonverbal Communication	3 COM200 Communication Elective	3
CMMC255 Public Speaking	3 COM130 Oral Communication & Presentation	3
CMMC287 Work Based Learning I	1-3 OE 200 Open Elective	N/A
CMMC299 Individualized Studies in Communications	1-2 OE 200 Open Elective	N/A

COMPUTER MAINTENANCE AND NETWORKING (CMNW)

CMNW101 A+ Certification Preparation I	4 CIT100 Computer Information Technology Elective	4
CMNW111 Introduction to Computer Hardware	2 CIT100 Computer Information Technology Elective	2

CMNW120 Cyber-Forensics, Cyber-Crime and the Law	4	CIT100 Computer Information Technology Elective	4
CMNW121 Data Collection, Analysis and Forensics Tools	4	CIT100 Computer Information Technology Elective	4
CMNW141 Computer Diagnostic and Repair	3	CIT100 Computer Information Technology Elective	3
CMNW145 Network Installation and Diagnostics	4	CIS100 Computer Information Systems Elective	4
CMNW147 Digital Interactive Systems Integration	2	CIT100 Computer Information Technology Elective	2
CMNW181 Industry Specific Directed Studies	4	CIT100 Computer Information Technology Elective	4
CMNW201 A+ Certification Preparation II	4	CIT200 Computer Information Technology Elective	4
CMNW220 Data Communications	4	CIT200 Computer Information Technology Elective	4
CMNW221 C, C++, and Linux for Hardware Interfacing	4	CIT200 Computer Information Technology Elective	4
CMNW223 Network Forensics and Investigative Techniques	4	CDS152 Introduction to Cyber Defense	4
CMNW241 Advanced Computer Diagnostics	5	CIT320 Computer Architecture & Diagnostics	3
CMNW246 Industrial Computing Applications Capstone	5	CIT200 Computer Information Technology Elective	5
CMNW247 Computer Forensics and Data Recovery Capstone	4	CIT200 Computer Information Technology Elective	4
CMNW287 Work-Based Learning I	1-3	OE 200 Open Elective	N/A
CMNW288 Work-Based Learning II	1-3	OE 200 Open Elective	N/A
CMNW289 Work-Based Learning III	1-3	OE 200 Open Elective	N/A
CMNW299 Individual Studies in Computer Main & Networking	1-2	OE 200 Open Elective	N/A

COMPUTER PROGRAMMING (CMPR)

CMPR166 Introduction to Computer Science	3	ITS106 Introduction to Computer Science	3
CMPR168 Object-Oriented Programming	4	CIS100 Computer Information Systems Elective	4
CMPR268 Data Structures	3	CIS200 Computer Information Systems Elective	3
CMPR275 Computer Architecture	3	CIT320 Computer Architecture & Diagnostics	3
CMPR299 Individualized Studies in Computer Programming	1-2	OE 200 Open Elective	N/A

CONSTRUCTION (CNST)

CNST120 Introduction to HVAC	2	OE 100 Open Elective	2
CNST121 Construction Document Reading	3	OE 100 Open Elective	3
CNST122 Introduction to Carpentry	4	OE 100 Open Elective	4
CNST123 Introduction to Electrical Wiring	2	OE 100 Open Elective	2
CNST124 Introduction to Plumbing	2	OE 100 Open Elective	2
CNST125 Introduction to Finish Carpentry	2	OE 100 Open Elective	2
CNST126 Introduction to Masonry	2	OE 100 Open Elective	2
CNST127 Green Building and LEED Rating Systems	4	OE 100 Open Elective	4

CRIMINAL JUSTICE (CRMJ)

CRMJ110 Introduction to Criminal Justice	3	JUS110 Introduction to Criminal Justice	3
CRMJ111 Introduction to Corrections	3	COR 120 correctional Thought & Practice	3
CRMJ117 Criminal Law	3	JUS201 Criminal Law	3
CRMJ119 Legal Issues in Corrections	2	COR236 Correctional Legal Issues	2
CRMJ121 Introduction to Criminalistics	3	ENF239 Applied Crim Investigation&Criminalistics	3
CRMJ135 Community Relations in Criminal Justice	2	JUS100 Criminal Justice Elective	2
CRMJ146 Criminal Justice Investigation	3	ENF239 Applied Crim Investigation&Criminalistics	3
CRMJ147 Probation and Parole	2	COR245 Probation, Parole,&Community Corrections	2
CRMJ151 Law Enforcement Firearms Training	3	JUS100 Criminal Justice Elective	3
CRMJ152 Law Enforcement Motor Vehicle Operation	3	JUS100 Criminal Justice Elective	3
CRMJ219 Mental Health Issues in Corrections	2	JUS200 Criminal Justice Elective	2

CRMJ225 Traffic Accident Investigation	3 ENF150 Police and Society	3
CRMJ226 Juvenile Delinquency	3 COR231 Juvenile Justice Systems	3
CRMJ231 Introduction to Police Operations	3 ENF200 Law Enforcement Elective	3
CRMJ232 Police Supervision	3 JUS200 Criminal Justice Elective	3
CRMJ285 Criminal Justice Internship I	2 JUS200 Criminal Justice Elective	2
CRMJ286 Criminal Justice Internship II	2 JUS200 Criminal Justice Elective	2
CRMJ299 Individualized Studies in Criminal Justice	1-2 OE 200 Open Elective	N/A

CULINARY ARTS (CULN)

CULN131 Introduction to Career Management	1 OE 100 Open Elective	1
CULN152 Essentials of Dining Room Service	3 OE 100 Open Elective	3
CULN154 Introduction to Baking and Pastry	3 OE 100 Open Elective	3
CULN157 Fundamentals of Food Service Production	3 OE 100 Open Elective	3
CULN160 Foodservice Management and Human Resources	3 OE 100 Open Elective	3
CULN165 Advanced Food Service Production	3 OE 100 Open Elective	3
CULN175 Purchasing and Product Identification	3 OE 100 Open Elective	3
CULN200 Externship	2 OE 200 Open Elective	2
CULN205 Food and Beverage Cost Controls	3 OE 200 Open Elective	3
CULN210 Menu Planning and Marketing	2 OE 200 Open Elective	2
CULN215 Beverage Management	3 OE 200 Open Elective	3
CULN220 Contemporary Cuisine	3 OE 200 Open Elective	3
CULN221 Principles of Beverage Service	2 OE 200 Open Elective	2
CULN224 From Farm to Fork	3 OE 200 Open Elective	3
CULN225 Advanced Bake Shop	3 OE 200 Open Elective	3
CULN254 International Cuisine	3 OE 200 Open Elective	3
CULN255 New World Cuisine	3 OE 200 Open Elective	3
CULN265 Restaurant Capstone	3 OE 200 Open Elective	3

DANCE (DANC)

DANC151 Ballet I	2 OE 100 Open Elective	2
DANC152 Ballet II	2 OE 100 Open Elective	2
DANC161 Jazz Dance I	2 OE 100 Open Elective	2
DANC162 Jazz Dance II	2 OE 100 Open Elective	2
DANC171 Modern Dance I	2 OE 100 Open Elective	2
DANC172 Modern Dance II	2 OE 100 Open Elective	2
DANC185 Dance Performance	1 OE 100 Open Elective	1
DANC299 Individualized Studies in Dance	1-2 OE 200 Open Elective	N/A

DIALYSIS (DIAL)

DIAL121 Dialysis Technician I	8 OE 100 Open Elective	8
DIAL122 Dialysis Technician II	8 OE 100 Open Elective	8

DENTAL HYGIENE (DNHY)

DNHY111 Head and Neck Anatomy/Tooth Morphology	2 OE 100 Open Elective	2
DNHY121 Dental Hygiene Techniques I	4 OE 100 Open Elective	4
DNHY122 Dental Hygiene Techniques II	5 OE 100 Open Elective	5
DNHY123 Dental Materials	2 OE 100 Open Elective	2

DNHY124 Dental Radiology	3 OE 100 Open Elective	3
DNHY125 Periodontics	2 OE 100 Open Elective	2
DNHY131 Oral Pathology	2 OE 100 Open Elective	2
DNHY133 Dental Hygiene Techniques III	3 OE 100 Open Elective	3
DNHY199 Introduction to the World of Work - DNHY	1 OE 100 Open Elective	1
DNHY221 Dental Pharmacology	2 OE 200 Open Elective	2
DNHY224 Dental Hygiene Techniques IV	4 OE 200 Open Elective	4
DNHY231 Community/Dental Hygiene Trends	2 OE 200 Open Elective	2
DNHY235 Dental Hygiene Techniques V	4 OE 200 Open Elective	4
DNHY236 Dental Hygiene Pain Management I	1 OE 200 Open Elective	1
DNHY237 Dental Hygiene Pain Management II	1 OE 200 Open Elective	1
DNHY299 Individualized Studies in Dental Hygiene	1-2 OE 200 Open Elective	N/A

EARLY CHILDHOOD EDUCATION (ECED)

ECED111 Introduction to Early Childhood Education	3 OE 100 Open Elective	3
ECED160 The Professional Nanny	3 OE 100 Open Elective	3
ECED162 Emerging Literacy and Language Development	3 OE 100 Open Elective	3
ECED164 Child Guidance and Classroom Management	3 OE 100 Open Elective	3
ECED166 After School Care	3 OE 100 Open Elective	3
ECED167 After School Practicum	2 OE 100 Open Elective	2
ECED171 Health, Safety and Nutrition	2 OE 100 Open Elective	2
ECED253 Introduction to Child Development	3 OE 200 Open Elective	3
ECED255 Creative Development for the Young Child	4 OE 200 Open Elective	4
ECED256 Cognitive Development	4 OE 200 Open Elective	4
ECED270 Special Needs Practicum	3 OE 200 Open Elective	3
ECED271 Children with Special Needs	3 OE 200 Open Elective	3
ECED272 Infant and Toddler Development	2 OE 200 Open Elective	2
ECED273 Families, Schools and Communities	3 OE 200 Open Elective	3
ECED274 Infant and Toddler Practicum	3 OE 200 Open Elective	3
ECED275 Org and Administration for Early Childhood Education	2 OE 200 Open Elective	2
ECED283 ECED Student Teaching Seminar I	3 OE 200 Open Elective	3
ECED284 ECED Student Teaching Seminar II	3 OE 200 Open Elective	3
ECED299 Individualized Studies	1-2 OE 200 Open Elective	N/A

ECONOMICS (ECNM)

ECMN113 Personal Finance	3 FIN101 Personal Finance	3
ECMN151 Macroeconomics	3 ECO221 Principles of Macroeconomics	3
ECMN152 Microeconomics	3 ECO222 Principles of Microeconomics	3

EDUCATION (EDCT)

EDCT181 Introduction to the Education Profession	3 EDU100 Foundations of Education	3
EDCT252 Principles of Teaching and Learning	3 OE 200 Open Elective	3
EDCT254 Individuals with Exceptionalities	3 OE 200 Open Elective	3
EDCT261 Reading for the Classroom	3 OE 200 Open Elective	3
EDCT262 Language Arts for the Classroom	3 OE 200 Open Elective	3
EDCT263 Mathematics for the Classroom	3 OE 200 Open Elective	3
EDCT264 Educational Technology	3 EDU150 Introduction to Technology in Education	3

EDCT275 Social Issues in Education	3 EDU250 Educational Psychology	3
EDCT287 Work Based Learning I	1-3 OE 200 Open Elective	N/A
EDCT299 Individualized Studies in Education	1-2 OE 200 Open Elective	N/A

ELECTRONICS (ELECT)

ELCT111 Electrical Circuits I	3 OE 100 Open Elective	3
ELCT112 Electrical Circuits II	4 OE 100 Open Elective	4
ELCT115 Fabrication Processes for Electronics	2 OE 100 Open Elective	2
ELCT121 Digital Electronics	4 OE 100 Open Elective	4
ELCT211 Electrical Power and Devices	4 OE 100 Open Elective	4
ELCT221 Microcontrollers	4 OE 200 Open Elective	4
ELCT222 Advanced Microcontroller Applications	4 OE 200 Open Elective	4
ELCT223 Electrical Blueprint Reading	2 OE 200 Open Elective	2
ELCT224 Industrial Electronics	4 OE 200 Open Elective	5
ELCT227 National Electrical Code	2 OE 200 Open Elective	2
ELCT228 Switchgear, Transformers and Control	3 OE 200 Open Elective	3
ELCT229 Transmission and Distribution of Electrical Power	3 OE 200 Open Elective	3
ELCT233 Electronic Devices I	4 OE 200 Open Elective	4
ELCT234 Electronic Devices II	4 OE 200 Open Elective	4
ELCT241 Communications Electronics	4 OE 200 Open Elective	4
ELCT287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
ELCT288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A
ELCT289 Work-Based Learning III	1-3 OE 200 Open Elective	N/A
ELCT299 Individualized Studies/Electronics	1 OE 200 Open Elective	1

ELECTRICAL TRADES APRENTICESHIP (ELTA)

ELTA101 National Electrical Code I Commercial and Industrial	1 OE 100 Open Elective	1
ELTA102 National Electrical Code II Commercial and Industrial	3 OE 100 Open Elective	3
ELTA103 National Electrical Code III Commercial and Industrial	4 OE 100 Open Elective	4
ELTA111 DC Theory: Commercial and Industrial	3 OE 100 Open Elective	3
ELTA112 AC Theory: Commercial and Industrial	5 OE 100 Open Elective	5
ETLA133 Semiconductor Theory: Commercial and Industrial	4 OE 100 Open Elective	4
ELTA204 Motors and Motor Control Commercial and Industrial	4 OE 200 Open Elective	4
ELTA214 Digital Electronics: Commercial and Industrial	5 OE 200 Open Elective	5

ELECTRIC POWER UTILITY TECHNOLOGY (ELUT)

ELUT121 Overhead Line Technology I	6 OE 100 Open Elective	6
ELUT122 Overhead Line Technology II	6 OE 100 Open Elective	6
ELUT123 Substation Technology I	6 OE 100 Open Elective	6
ELUT124 Substation Technology II	6 OE 100 Open Elective	6
ELUT221 Overhead Line Technology III	6 OE 200 Open Elective	6
ELUT222 Overhead Line Technology IV	6 OE 200 Open Elective	6
ELUT224 Substation Technology III	6 OE 200 Open Elective	6
ELUT225 Substation Technology IV	6 OE 200 Open Elective	6

ENGINEERING MECHANICS (EMCH)

EMCH111 Statics for Technology	3 OE 100 Open Elective	3
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EMCH112 Engineering Materials	3 OE 100 Open Elective	3
EMCH211 Strength of Materials	4 OE 200 Open Elective	4
EMCH221 Machine Design	3 OE 200 Open Elective	3
EMCH231 Engineering Statics	3 OE 200 Open Elective	3
EMERGENCY MEDICAL TECHNICIAN BASIC 052-399 (EMSB)		
EMSB101 Emergency Medical Technician-Basic	8 OE 100 Open Elective	8
EMERGENCY MEDICAL TECHNICIAN PARAMEDIC #2-3-005 (EMSP)		
EMSP120 Introduction to Advanced Emergency Care	9 OE 100 Open Elective	9
EMSP121 Advanced Emergency Care II	6 OE 100 Open Elective	6
EMSP122 Advanced Emergency Care III	3 OE 100 Open Elective	3
EMSP123 Advanced Emergency Care IV	6 OE 100 Open Elective	6
EMSP124 Advanced Emergency Care V	3 OE 100 Open Elective	3
ENGLISH (ENGL)		
ENGL011 Fundamentals of Writing	3 NC	*
ENGL012 Writing Review	3 NC	*
ENGL013 Sentence Structure and Grammar Review	2 NC	*
ENGL061 Accelerated Writing Review	2 NC	*
ENGL161 College Composition I	3 ENG141 Rhetoric & Introductory Research Writing	3
ENGL162 College Composition II	3 ENG141 Rhetoric & Introductory Research Writing	3
ENGL163 College Composition II/Special Topics	3 ENG141 Rhetoric & Introductory Research Writing	3
ENGL164 College Composition II/Technical Topics	3 OE 100 Open Elective	3
ENGL165 Creative Writing	3 ENG251 Creative Writing I	3
ENGL166 Writing Fiction	3 ENG252 Creative Writing II: Short Story	3
ENGL167 Writing Poetry	3 ENG253 Creative Writing III: Poetry	3
ENGL168 Playwriting for Stage and Screen	3 OE 100 Open Elective	3
ENGL169 Creative Non-Fiction	3 ENG254 Creative Writing IV: Creative Nonfiction	3
ENGL251 American Literature I	3 ENG293 American Literature I	3
ENGL252 American Literature II	3 ENG294 American Literature II	3
ENGL253 Introduction to World Literature	3 ENG200 English Elective	3
ENGL254 Introduction to Hispanic Literature	3 ENG200 English Elective	3
ENGL255 Introduction to Fiction	3 ENG200 English Elective	3
ENGL257 Introduction to Poetry	3 ENG200 English Elective	3
ENGL259 Introduction to Drama	3 ENG200 English Elective	3
ENGL261 Masterpieces of British Literature I	3 ENG291 British Literature I	3
ENGL262 Masterpieces of British Literature II	3 ENG292 British Literature II	3
ENGL265 Detective Fiction	3 ENG200 English Elective	3
ENGL266 African-American Literature	3 ENG200 English Elective	3
ENGL267 Children's Literature	3 ENG200 English Elective	3
ENGL269 Introduction to Shakespeare	3 ENG380 Shakespeare	3
ENGL299 Individualized Studies in English	1-2 OE 200 Open Elective	N/A
ENGINEERING TECHNOLOGIES (ENGR)		
ENGR120 Introduction to Engineering	1 OE 100 Open Elective	1
ENGR199 Introduction to World of Work	1 OE 100 Open Elective	1

ENGR268 Engineering Statistics	3	MAT273 Applied Statistics I	3
ENGR299 Individualized Studies Engineering	1	OE 200 Open Elective	1

ENTREPRENEURSHIP (ENTR)

ENTR200 Entrepreneurship	3	ENT200 Entrepreneurship	3
ENTR201 Entrepreneurial Finance	3	ENT200 Entrepreneurship	3
ENTR202 Entrepreneurial Marketing	3	ENT200 Entrepreneurship	3
ENTR203 Entrepreneurial Management	3	ENT200 Entrepreneurship	3
ENTR204 Entrepreneurial Applications	3	ENT200 Entrepreneurship	3
ENTR205 New Venture Creation	3	ENT200 Entrepreneurship	3
ENTR287 Work Based Learning I- Entrepreneurship	1-3	OE 200 Open Elective	N/A

ENVIRONMENTAL SCIENCE (ENVS)

ENVS120 Hazardous Waste Operations and Emergency Response	3	OE 200 Open Elective	3
ENVS286 Internships in Industrial Hygiene	1	OE 200 Open Elective	1

ENGLISH AS A SECOND LANGUAGE (ESLG)

ESLG011 ESL Grammar Beginning Level	4	NC	*
ESLG012 Reading/Culture Beginning Level	4	NC	*
ESLG013 Listening/Speaking Beginning Level	4	NC	*
ESLG014 Writing Beginning Level	4	NC	*
ESLG021 ESL Writing/Grammar Intermediate Level	4	NC	*
ESLG022 Reading/Culture Intermediate Level	4	NC	*
ESLG023 Listening/Speaking Intermediate Level	4	NC	*
ESLG041 Writing Workshop for Non-native Speakers	4	NC	*
ESLG115 Vocabulary Development for Improved Communication	2	NC	*
ESLG116 Improving Comprehension Through Idioms	2	NC	*
ESLG131 ESLG Writing/Grammar Advanced Level	4	NC	*
ESLG132 ESLG Reading Culture Advanced Level	4	NC	*
ESLG133 ESLG Listening/Speaking Advanced Level	4	NC	*
ESLG151 English Acquisition Through Oral Communication	4	NC	*
ESLG181 English Acquisition Through Acting	4	NC	*

FIRE SCIENCE (FIRE)

FIRE111 Introduction to Fire Service	3	OE 100 Open Elective	3
FIRE112 Building Design and Construction	3	OE 100 Open Elective	3
FIRE120 Fire Investigation	3	OE 100 Open Elective	3
FIRE125 Fire Behavior and Combustion	2	OE 100 Open Elective	2
FIRE127 Firefighter Orientation	1	OE 100 Open Elective	1
FIRE130 Emergency Services Safety and Survival	2	OE 100 Open Elective	2
FIRE131 Firefighting Level I	2	OE 100 Open Elective	2
FIRE132 Firefighting Level II	2	OE 100 Open Elective	2
FIRE134 Fire Protection Hydraulics and Water Supply	2	OE 100 Open Elective	2
FIRE136 Strategy and Tactics	3	OE 100 Open Elective	3
FIRE210 Hazardous Materials Chemistry	2	OE 200 Open Elective	2
FIRE214 Firefighter Tactics and Water Supply I	1	OE 200 Open Elective	1
FIRE215 Firefighter Tactics and Water Supply II	2	OE 200 Open Elective	2

FIRE216 Command and Supervision I	1 OE 200 Open Elective	1
FIRE217 Command and Supervision II	2 OE 200 Open Elective	2
FIRE218 Hazardous Materials Operations	1 OE 200 Open Elective	1
FIRE224 Legal Concepts for Emergency Services	3 OE 200 Open Elective	3
FIRE227 Fire Prevention	3 OE 200 Open Elective	3
FIRE228 Fire and Emergency Service Administration	2 OE 200 Open Elective	2
FIRE229 Fire Protection Systems	2 OE 200 Open Elective	2
FIRE240 Emergency Services Occupational Health and Safety	2 OE 200 Open Elective	2
FIRE299 Individualized Studies in Fire Science	1-2 OE 200 Open Elective	N/A

FINANCE (FNCE)

FNCE111 Real Estate Principles and Practices	3 OE 100 Open Elective	3
FNCE112 Real Estate Law	3 OE 100 Open Elective	3
FNCE115 Real Estate Finance	1 OE 100 Open Elective	1
FNCE118 Real Estate Appraisal	1 OE 100 Open Elective	1
FNCE121 Principles of Insurance	3 OE 100 Open Elective	3
FNCE122 Fundamentals of Investments	3 OE 100 Open Elective	3
FNCE251 Business Finance	3 OE 200 Open Elective	3
FNCE287 Work-Based Learning I - Finance	1-3 OE 200 Open Elective	N/A
FNCE288 Work-Based Learning II - Finance	1-3 OE 200 Open Elective	N/A
FNCE289 Work-Based Learning III - Finance	1-3 OE 200 Open Elective	N/A
FNCE299 Individualized Studies in Finance	1-2 OE 200 Open Elective	N/A

FRENCH (FRNH)

FRNH151 Elementary French I	4 OE 100 Open Elective	4
FRNH152 Elementary French II	4 OE 100 Open Elective	4
FRNH251 Intermediate French I	3 OE 200 Open Elective	3
FRNH252 Intermediate French II	3 OE 200 Open Elective	3
FRNH299 Individualized Studies in French	1-2 OE 200 Open Elective	N/A

GEOGRAPHY (GPHY)

GPHY111 Introduction to Cartography	3 OE 100 Open Elective	3
GPHY112 Introduction to Geographic Information Systems (GIS)	3 OE 100 Open Elective	3
GPHY113 Advanced Geographic Information Systems (GIS)	3 OE 100 Open Elective	3
GPHY151 Human Geography	3 OE 100 Open Elective	3
GPHY152 Geography of the United States and Canada	3 OE 100 Open Elective	3
GPHY299 Individualized Studies In Geography	1-2 OE 200 Open Elective	N/A

GERMAN (GRMN)

GRMN151 Elementary German I	4 OE 100 Open Elective	4
GRMN152 Elementary German II	4 OE 100 Open Elective	4
GRMN251 Intermediate German I	3 OE 200 Open Elective	3
GRMN252 Intermediate German II	3 OE 200 Open Elective	3

HEALTH EDUCATION (HLED)

HLED150 Drugs, Alcohol and Tabaco	3 NAT291 Drugs in the Body	3
HLED151 Personal Health	2 NAT100 Natural Science Elective	2

HLED152 Community Health	2 NAT100 Natural Science Elective	2
HLED153 First Aid and Safety	2 NAT100 Natural Science Elective	2
HLED154 Cardio-Pulmonary Resuscitation (CPR)	1 OE 100 Open Elective	1
HLED155 HIV/AIDS	1 OE 100 Open Elective	1
HLED156 Health and Wellness	2 NAT100 Natural Science Elective	2
HLED157 Women's Health	3 NAT100 Natural Science Elective	3
HLED158 Peace Officer First Aid Training	1 OE 100 Open Elective	1
HLED159 Wilderness and Remote First Aid	2 NAT100 Natural Science Elective	2
HLED164 CPR Renewal Certification- AHA/BLS/HCP	1 OE 100 Open Elective	1
HLED181 Nutrition and Weight Management Strategies	2 NAT100 Natural Science Elective	2
HLED221 Health Promotion and Behavior Change	3 NAT200 Natural Science Elective	3

HUMAN SERVICES (HMSR)

HMSR111 Principles of Interviewing and Counseling	3 OE 100 Open Elective	3
HMSR121 Introduction to Gerontology	3 OE 100 Open Elective	3
HMSR131 Diverse Populations in the Human Services	3 OE 100 Open Elective	3
HMSR141 Introduction to Chemical Dependency	3 OE 100 Open Elective	3
HMSR161 Family and Intimate Violence	3 OE 100 Open Elective	3
HMSR211 Crisis Intervention in Human Services	3 OE 200 Open Elective	3
HMSR212 Case Management	3 OE 200 Open Elective	3
HMSR213 Group Work in Human Services	3 OE 200 Open Elective	3
HMSR221 Interdisciplinary Dynamics of Aging	3 OE 200 Open Elective	3
HMSR222 Programs and Services for Older Adults	3 OE 200 Open Elective	3
HMSR285 Human Services Practicum and Seminar	4 OE 200 Open Elective	4
HMSR287 Work-Based Learning I- Human Services	1-3 OE 200 Open Elective	N/A
HMSR299 Individualized Studies in Human Services	1-2 OE 200 Open Elective	N/A

HEALTH/PHYSICAL EDUCATION (HPED)

HPED151 Physical Education for the School Age Child	3 OE 100 Open Elective	3
HPED162 Fundamentals of Sports and Fitness Management	2 OE 100 Open Elective	2
HPED163 Introduction to Coaching	1 OE 100 Open Elective	1
HPED166 Group Exercise Instructor Preparation	3 OE 100 Open Elective	3
HPED172 Exercise Management for Special Populations	2 OE 100 Open Elective	2
HPED173 Biomechanics of Resistance Training	3 OE 100 Open Elective	3
HPED222 Fundamentals of Strength & Conditioning Programming	3 OE 100 Open Elective	3
HPED261 Exercise Physiology I	3 NAT146 Introduction to Exercise Science	3
HPED265 Prev and Care of Sport Injuries for the Sports Professional	3 NAT124 Introduction to Athletic Training	3
HPED272 Exercise Physiology II	3 NAT200 Natural Science Elective	3
HPED275 Kinesiology	3 NAT322 Kinesiology	3
HPED276 Sports and Fitness Mgt Certification Preparation Class	1 OE 200 Open Elective	1
HPED277 Measurement&Evaluation in Exercise, Sport&Physical Ed	3 OE 200 Open Elective	3
HPED285 Practicum and Seminar- Health, Physical Education	2 OE 200 Open Elective	2
HPED287 Work Based Learning I- HPED	1-3 OE 200 Open Elective	N/A

HISTORY (HSTR)

HSTR151 Civilization I	3 HIS211 Western Society to 1500	3
HSTR152 Civilization II	3 HIS100 History Elective	3

HSTR161 United States I	3 HIS111 American Society to 1865	3
HSTR162 United States II	3 HIS112 American Society since 1865	3
HSTR171 The World Since 1900	3 HIS137 Civilizations of the World	3
HSTR176 Ohio History	3 HIS320 Ohio History	3
HSTR221 Vietnam War	3 HIS200 History Elective	3
HSTR252 Women in World History	3 HIS200 History Elective	3
HSTR267 African-American Heritage	3 HIS200 History Elective	3
HSTR299 Individualized Studies in History	1-2 OE 200 Open Elective	N/A

HUMANITIES (HUMS)

HUMS151 Introduction to Humanities	3 OE 100 Open Elective	3
HUMS161 Intro to American Studies: Ohio and Western Reserve	3 CUL100 Cultural Studies Elective	3
HUMS261 Intro to Great Books: Ancient World to the Renaissance	3 CUL200 Cultural Studies Elective	3
HUMS262 Intro to Great Books: Early Modern to the 20th Century	3 CUL200 Cultural Studies Elective	3
HUMS263 Introduction to Folklore	3 CUL200 Cultural Studies Elective	3
HUMS264 Introduction to Asian Cultures and Literature	3 CUL200 Cultural Studies Elective	3
HUMS271 Introduction to Mythology	3 CUL200 Cultural Studies Elective	3
HUMS274 Film Appreciation	3 OE 200 Open Elective	3
HUMS281 Introduction to American Cinema	3 OE 200 Open Elective	3
HUMS299 Individualized Studies in Humanities	1-2 OE 200 Open Elective	N/A

INTERNATIONAL STUDIES (INTL)

INTL151 Principles of International Studies I	3 OE 100 Open Elective	3
INTL152 Principles of International Studies II	3 OE 100 Open Elective	3
INTL299 Individualized Studies in International Studies	1-2 OE 200 Open Elective	N/A

JAPANESE (JAPN)

JAPN151 Elementary Japanese I	4 OE 100 Open Elective	4
JAPN152 Elementary Japanese II	4 OE 100 Open Elective	4
JAPN251 Intermediate Japanese I	3 OE 200 Open Elective	3
JAPN252 Intermediate Japanese II	3 OE 200 Open Elective	3

JOURNALISM (JRNM)

JRNM151 Journalism I	3 COM100 Communication Elective	3
JRNM152 Journalism II	3 COM218 News Writing	3
JRNM153 Principles of Public Relations	3 COM212 Introduction to Public Relations	3
JRNM221 Introduction to Photojournalism	3 COM200 Communication Elective	3
JRNM222 Newspaper Editing and Design	3 COM200 Communication Elective	3
JRNM223 Social Media for the Newsroom	4 COM200 Communication Elective	4
JRNM285 Staff Practice/Newspaper	1 OE 200 Open Elective	1
JRNM286 Journalism Internship	1 OE 200 Open Elective	1
JRNM299 Individualized Studies in Journalism	1-2 OE 200 Open Elective	N/A

MEDICAL ASSISTING (MDAS)

MDAS101 Fundamental Procedures in the Medical Office	3 OE 100 Open Elective	3
MDAS102 Insurance and Coding in the Medical Office	3 OE 100 Open Elective	3
MDAS103 Basic Administrative Medical Assisting Functions	1 OE 100 Open Elective	1

MDAS104 Bookkeeping Functions in the Medical Office	2 OE 100 Open Elective	2
MDAS105 Diagnostic Testing in the Medical Office	2 OE 100 Open Elective	2
MDAS106 Specimen Collection in the Medical Office	2 OE 100 Open Elective	2
MDAS107 Patient Care in the Medical Office	5 OE 100 Open Elective	5
MDAS108 Medical Assisting Practicum	1 OE 100 Open Elective	1

MICRO-ELECTROMECHANICAL SYSTEMS (MEMS)

MEMS122 Intro to the Micro-Electromechanical Systems (MEMS)	4 OE 100 Open Elective	4
MEMS132 MEMS Packaging	3 OE 100 Open Elective	3
MEMS211 Micro-Fabrication Processing	3 OE 200 Open Elective	3
MEMS221 Micro-SystemCapstone Project	3 OE 200 Open Elective	3

MARKETING (MKRG)

MKRG113 Principles of Salesmanship	3 MKT100 Marketing Elective	3
MKRG211 Applied Marketing Essentials	3 MKT200 Marketing Elective	3
MKRG221 Consumer Behavior	3 MKT252 Buyer Behavior	3
MKRG245 Social Media Marketing	3 MKT200 Marketing Elective	3
MKRG247 Services Marketing	3 MKT200 Marketing Elective	3
MKRG251 Principles of Marketing	3 MKT151 Introductory Marketing	3
MKRG255 Advertising and Promotion Management	3 MKT253 Marketing Communications	3
MKRG256 Retail Management	3 MKT350 Retailing Management	3
MKRG258 Advanced Sales Techniques	3 MKT200 Marketing Elective	3
MKRG287 Work-Based Learning I-Marketing	1-3 OE 200 Open Elective	N/A
MKRG299 Individualized Studies in Marketing	1-2 OE 200 Open Elective	N/A

MATHEMATICS (MTHM)

MTHM024 Geometry	2 NC	*
MTHM031 Math Applications	4 NC	*
MTHM033 Introduction to Technical Mathematics	3 NC	*
MTHM041 Pre-Algebra	2 NC	*
MTHM051 Beginning Algebra Part I	2 NC	*
MTHM061 Beginning Algebra Part II	2 NC	*
MTHM071 Intermediate Algebra Part I	2 NC	*
MTHM081 Intermediate Algebra Part II	2 NC	*
MTHM121 Technical Mathematics I	4 MAT174 Finite Mathematics	4
MTHM122 Technical Mathematics II	3 MAT174 Finite Mathematics	3
MTHM150 The Art of Mathematical Thinking	3 OE 100 Open Elective	3
MTHM151 College Mathematics	3 MAT174 Finite Mathematics	3
MTHM161 Mathematics for Elementary Teachers I	3 MAT174 Finite Mathematics	3
MTHM162 Mathematics for Elementary Teachers II	3 OE 100 Open Elective	3
MTHM168 Statistics	3 MAT273 Applied Statistics I	3
MTHM171 College Algebra	4 MAT181 College Algebra	4
MTHM172 Precalculus	3 MAT275 Pre-Calculus	3
MTHM175 College Algebra and Precalculus	5 MAT174 Finite Mathematics	5
MTHM178 Business Calculus	4 MAT101 Mathematics Elective	4
MTHM181 Calculus I	5 MAT281 Calculus I	3
MTHM182 Calculus II	5 MAT101 Mathematics Elective	5

MTHM221 Technical Calculus	3 MAT200 Mathematics Elective	3
MTHM222 Advanced Technical Calculus	3 MAT200 Mathematics Elective	3
MTHM268 Engineering Statistics	3 MAT273 Applied Statistics I	3
MTHM270 Discrete Mathematics	3 MAT200 Mathematics Elective	3
MTHM280 Linear Algebra	4 MAT200 Mathematics Elective	4
MTHM281 Multivariable Calculus	4 MAT200 Mathematics Elective	4
MTHM283 Differential Equations	3 MAT200 Mathematics Elective	3
MTHM299 Individualized Studies in Mathematics	1-2 OE 200 Open Elective	N/A

MUSIC (MUSA)

MUSA151 Applied Brass for Non-Music Majors	1-2 OE 100 Open Elective	N/A
MUSA152 Applied Guitar for Non-Music Majors	1-2 OE 100 Open Elective	N/A
MUSA153 Applied Keyboard for Non-Music Majors	1-2 OE 100 Open Elective	N/A
MUSA154 Applied Percussion for Non-Music Majors	1-2 OE 100 Open Elective	N/A
MUSA155 Applied Strings for Non-Music Majors	1-2 OE 100 Open Elective	N/A
MUSA156 Applied Voice for Non-Music Majors	1-2 OE 100 Open Elective	N/A
MUSA157 Applied Woodwinds for Non-Music Majors	1-2 OE 100 Open Elective	N/A
MUSA161/261 Applied Music: Brass	1-2 OE 100 Open Elective	N/A
MUSA162/262 Applied Music: Guitar	1-2 OE 100 Open Elective	N/A
MUSA163/263 Applied Music: Keyboard	1-2 OE 100 Open Elective	N/A
MUSA164/264 Applied Music: Percussion	1-2 OE 100 Open Elective	N/A
MUSA165/265 Applied Music: Strings	1-2 OE 100 Open Elective	N/A
MUSA166/266 Applied Music: Voice	1-2 OE 100 Open Elective	N/A
MUSA167/267 Applied Music: Woodwinds	1-2 OE 100 Open Elective	N/A
MUSA168/268 Applied Music: Composition	1-2 OE 100 Open Elective	N/A
MUSA169/269 Applied Music: Conducting	1-2 OE 100 Open Elective	N/A

MUSIC (MUSC)

MUSC101 Civic Chorale	1 OE 100 Open Elective	1
MUSC102 Civic Concert Band	1 OE 100 Open Elective	1
MUSC103 Civic Orchestra	1 OE 100 Open Elective	1
MUSC111 Collegiate Chorale	1 OE 100 Open Elective	1
MUSC153 Fundamentals of Music	3 MUS101 Music Elective	3
MUSC155 Elementary Class Piano I	2 MUS101 Music Elective	2
MUSC156 Elementary Class Piano II	2 MUS101 Music Elective	2
MUSC165 Vocal Ensemble	1 OE 100 Open Elective	1
MUSC166 Instrumental Jazz Ensemble	1 OE 100 Open Elective	1
MUSC171 Music Theory I	3 MUP101 Music Fundamentals	3
MUSC172 Music Theory II	3 MUP121 Musicianship I	3
MUSC181 Sight Singing and Ear Training I	1 OE 100 Open Elective	1
MUSC182 Sight Singing and Ear Training II	1 OE 100 Open Elective	1
MUSC251 Music History I	3 MUS200 Music Elective	3
MUSC252 Music History II	3 MUS200 Music Elective	3
MUSC261 Music Appreciation	3 MUS223 Music Appreciation	3
MUSC262 Music as a World Phenomenon	3 MUS200 Music Elective	3
MUSC271 Music Theory III	3 MUP221 Musicianship II	3
MUSC272 Music Theory IV	3 MUS200 Music Elective	3

MSUC273 Craft of Composition	3 MUS200 Music Elective	3
MSUC274G Black Composers in America	3 MUS200 Music Elective	3
MUSC281 Sight Singing and Ear Training III	1 OE 200 Open Elective	1
MUSC282 Sight Singing and Ear Training IV	1 OE 200 Open Elective	1
MSUC299 Individualized Studies in Music	1-2 OE 200 Open Elective	N/A

MILLWRIGHT (MWRT)

MWRT111 Millwright Tools and Equipment	2 OE 100 Open Elective	2
MWRT114 Plant Layout and Installation	2 OE 100 Open Elective	2
MWRT211 Mechanical Power Transmission Systems	2 OE 200 Open Elective	2

ASSOCIATE DEGREE NURSING AND (NURS)

NURS101 Transition to Registered Nursing I	3 OE 100 Open Elective	3
NURS103 Transition to Registered Nursing II	3 OE 100 Open Elective	3
NURS114 Health Assessment and Clinical Reasoning	3 OE 100 Open Elective	3
NURS115 Basic Nursing Concepts	7 OE 100 Open Elective	7
NURS126 Maternal-Newborn Nursing	3 OE 100 Open Elective	3
NURS128 Comprehensive Adult Nursing I	6 OE 100 Open Elective	6
NURS129 Behavioral Health Nursing	3 OE 100 Open Elective	3
NURS131 Trans to Registered Nursing for the Certified Paramedic	6 OE 100 Open Elective	6
NURS136 Maternal-Newborn Nursing-Access	2 OE 100 Open Elective	2
NURS137 Child Health Nursing-Access	2 OE 100 Open Elective	2
NURS210 Comprehensive Adult Nursing II	8 OE 200 Open Elective	8
NURS213 Comprehensive Adult Nursing III	4 OE 200 Open Elective	4
NURS214 Child Health Nursing	3 OE 200 Open Elective	3
NURS215 Concepts of Professional Nursing Practice and Client Care	4 OE 200 Open Elective	4
NURS287 Work Based Learning I	1-3 OE 200 Open Elective	N/A
NURS288 Work Based Learning II	1-3 OE 200 Open Elective	N/A
NURS299 Individualized Studies in Nursing	1-2 OE 200 Open Elective	N/A

OCCUPATIONAL THERAPY ASSISTANT (OCTA)

OCTA102 Activity Analysis	2 OE 100 Open Elective	2
OCTA104 Fundamentals of Development Disabilities	3 OE 100 Open Elective	3
OCTA105 Techniques in Developmental Disabilities	2 OE 100 Open Elective	2
OCTA107 Fundamentals of Psychosocial Dysfunction	2 OE 100 Open Elective	2
OCTA108 Techniques in Psychosocial Dysfunction	2 OE 100 Open Elective	2
OCTA110 Psychosocial Level I Fieldwork	1 OE 100 Open Elective	1
OCTA111 Therapy Concepts	3 OE 100 Open Elective	3
OCTA112 Pediatric Level I Fieldwork	1 OE 100 Open Elective	1
OCTA120 Neuromuscular Applications	3 OE 100 Open Elective	3
OCTA121 OT in Geriatrics	1 OE 100 Open Elective	1
OCTA201 Fundamentals of Physical Dysfunction	3 OE 200 Open Elective	3
OCTA202 Techniques in Physical Dysfunction	2 OE 200 Open Elective	2
OCTA204 Occupational Therapy Issues	3 OE 200 Open Elective	3
OCTA205 Level II Fieldwork	6 OE 200 Open Elective	6
OCTA206 Assistive Technology	2 OE 200 Open Elective	2
OCTA207 Physical Dysfunction Level I Fieldwork	1 OE 200 Open Elective	1

PUBLIC ADMINISTRATION (PBAD)

PBAD151 Introduction to Public Administration	3 OE 100 Open Elective	3
PBAD152 Program and Service Planning and Evaluation	3 OE 100 Open Elective	3
PBAD155 Budget and Finance for Community Organizations	3 OE 100 Open Elective	3
PBAD158 Human Resource and Volunteer Management	3 OE 100 Open Elective	3
PBAD161 Fundraising and Grantmanship	3 OE 100 Open Elective	3
PBAD251 Organizational Leadership	3 OE 200 Open Elective	3
PBAD252 Survey of Legal Concepts	3 OE 200 Open Elective	3
PBAD285 Public Administration Practicum and Seminar	3 OE 200 Open Elective	3
PBAD299 Individualized Studies in Public Administration	1-2 OE 200 Open Elective	

PHYSICAL EDUCATION/SELF DEFENSE (PEDF)

PEDF151 Karate	1 OE 100 Open Elective	1
PEDF152 Personal Self-Defense	1 OE 100 Open Elective	1
PEDF153 Fencing	1 OE 100 Open Elective	1

PHYSICAL EDUCATION/FITNESS (PEFT)

PEFT131 Aerobic Spinning	1 OE 100 Open Elective	1
PEFT132 Zumba	1 OE 100 Open Elective	1
PEFT133 T-Bow Fitness	1 OE 100 Open Elective	1
PEFT134 Zumba Toning Fitness	1 OE 100 Open Elective	1
PEFT135 Aqua Aerobics	1 OE 100 Open Elective	1
PEFT136 CrossFit	1 OE 100 Open Elective	1
PEFT151 Lifetime Fitness	1 OE 100 Open Elective	1
PEFT152 Lifetime Fitness II	1 OE 100 Open Elective	1
PEFT153 Strength and Resistance Training	1 OE 100 Open Elective	1
PEFT154 Resistance Training for Women	1 OE 100 Open Elective	1
PEFT155 Personal Conditioning	1 OE 100 Open Elective	1
PEFT161 Body Toning	1 OE 100 Open Elective	1
PEFT163 Step Aerobics	1 OE 100 Open Elective	1
PEFT165 Cardio-Kickboxing	1 OE 100 Open Elective	1
PEFT166 Combo-Kickboxing/Step Aerobics	1 OE 100 Open Elective	1
PEFT167 Pilates	1 OE 100 Open Elective	1
PEFT168 Abdominal Workout	1 OE 100 Open Elective	1
PEFT169 Pilates II	1 OE 100 Open Elective	1
PEFT175 Walk, Job or Run	1 OE 100 Open Elective	1
PEFT176 Beginning Scuba	1 OE 100 Open Elective	1
PEFT185 Ropes Course	1 OE 100 Open Elective	1

PHYSICAL EDUCATION/SPORTS (PESP)

PESP151 Basketball	1 OE 100 Open Elective	1
PESP152 Slow Pitch Softball	1 OE 100 Open Elective	1
PESP153 Volleyball	1 OE 100 Open Elective	1
PESP154 Flag Football	1 OE 100 Open Elective	1
PESP161 Golf I	1 OE 100 Open Elective	1
PESP162 Golf II	1 OE 100 Open Elective	1

PESP165 Bowling	1 OE 100 Open Elective	1
PESP173 Tennis	1 OE 100 Open Elective	1
PHYSICAL EDUCATION/WELLNESS (PEWL)		
PEWL151 Stress Management	1 OE 100 Open Elective	1
PEWL170 Service Learning I/Stress Management	1 OE 100 Open Elective	1
PEWL180 Yoga Workout	1 OE 100 Open Elective	1
PEWL186 Yoga I	1 OE 100 Open Elective	1
PEWL187 Yoga II	1 OE 100 Open Elective	1
PEWL188 Tai Chi	1 OE 100 Open Elective	1
PEWL189 Introduction to Meditation	1 OE 100 Open Elective	1
PHLEBOTOMY (PHBT)		
PHBT111 Basic Laboratory Techniques	2 OE 100 Open Elective	2
PHTB121 Phlebotomy Clinical Practicum	3 OE 100 Open Elective	3
PHILOSOPHY (PHLY)		
PHLY151 Introduction to Philosophy	3 PHI110 The Art of Reasoning	3
PHLY161 Introduction to Ethics	3 PHI215 Ethics	3
PHLY165 Bioethics	3 PHI100 Philosophy Elective	3
PHLY171 Introduction to Logic	3 PHI212 Symbolic Logic	3
PHLY174 Critical Thinking	3 PHI100 Philosophy Elective	3
PHLY262 Introduction to Eastern Philosophy	3 PHI200 Philosophy Elective	3
PHLY270 Religion and Science	3 PHI200 Philosophy Elective	3
PHLY271 Social and Political Philosophy	3 PHI200 Philosophy Elective	3
PHLY281 Philosophy of Religion	3 PHI200 Philosophy Elective	3
PHLY299 Individualized Studies in Philosophy	1-2 OE 200 Open Elective	N/A
PHYSICS (PHYC)		
PHYC115 Physics for the Allied Health Sciences	4 PHY100 Physics Elective	4
PHYC151 General Physics I	5 PHY211 General Physics I + PHY211L	3+1
PHYC152 General Physics II	5 PHY212 General Physics II + PHY212L	3+1
PHYC251 College Physics I	5 PHY200 Physics Elective	5
PHYC252 College Physics II	5 PHY200 Physics Elective	5
PHYC299 Individualized Studies in Physics	1-2 OE 200 Open Elective	N/A
POLITICAL SCIENCE (PLSC)		
PLSC151 Comparative Politics	3 POL100 Political Science Elective	3
PLSC155 State and Local Government	3 POL100 Political Science Elective	3
PLSC156 American National Government	3 POL101 Intro to the American Political Process	3
PLSC157 Contemporary World Problems	3 POL100 Political Science Elective	3
PLSC251 Introduction to Social and Political Research	3 POL200 Political Science Elective	3
PLSC263 Women and Politics	3 POL200 Political Science Elective	3
PLSC299 Individualized Studies in Political Science	1-2 OE 200 Open Elective	N/A
PRACTICAL NURSING (PRNS)		
PRNS110 Introduction to Medications	1 OE 100 Open Elective	1

PRNS111 Fundamentals of Medical/Surgical Nursing I	10 OE 100 Open Elective	10
PRNS112 Medical/Surgical Nursing II	12 OE 100 Open Elective	12
PRNS116 Maternity Nursing	2 OE 100 Open Elective	2
PRNS118 Pediatric Nursing	2 OE 100 Open Elective	2
PRNS120 Management in Geriatrics	2 OE 100 Open Elective	2

PHYSICAL SCIENCE (PSSC)

PSSC153 Physical Science	4 NAT100 Natural Science Elective	4
PSSC156 Physical Geology	4 NAT100 Natural Science Elective	4
PSSC157 Historical Geology	4 NAT100 Natural Science Elective	4
PSSC158 Meteorology	3 NAT100 Natural Science Elective	3
PSSC159 Ocean Studies	3 NAT210 Oceanography	3
PSSC160 Introduction to Climate Studies	3 NAT100 Natural Science Elective	3
PSSC161 Earth Science	3 NAT205 Earth Science	3
PSSC251 Mineralogy	4 NAT200 Natural Science Elective	4
PSSC299 Individualized Studies in Physical Science	1-2 OE 200 Open Elective	N/A

PSYCHOLOGY (PSYH)

PSYH151 Introduction to Psychology	3 PSY101 Introduction to Psychology	3
PSYH251 Human Growth and Development	3 PSY265 Lifespan Development	3
PSYH253 Child Development	3 PSY265 Lifespan Development	3
PSYH254 Adolescent Development	3 PSY265 Lifespan Development	3
PSYH256 Adulthood and Aging	3 PSY200 Psychology Elective	3
PSYH257 Abnormal Psychology	3 PSY362 Abnormal Behavior	3
PSYH259 Human Sexuality	3 PSY269 Human Sexuality	3
PSYH261 Social Psychology	3 SOC250 Social Psychology	3
PSYH262 Psychology of the Information Age	3 PSY200 Psychology Elective	3
PSYH263 Personality Theories	3 PSY263 Theories of Personality	3
PSYH271 Quantitative Methods in Behavioral Sciences	4 PSY200 Psychology Elective	4
PSYH272 Research Methods in Psychology	4 SCS300 Research Design	4
PSYH273 Industrial/Organizational Psychology	3 PSY325 Intro to Industrial/Org Psychology	3
PSYH274 Psychology of Adjustment	3 PSY200 Psychology Elective	3
PSYH275 Psychology of Gender	3 PSY200 Psychology Elective	3
PSYH276 Professional and Career Issues in Psychology	1 OE 200 Open Elective	1
PSYH277 Advanced Research Project in Psychology	4 PSY200 Psychology Elective	4
PSYH287 Work Based Learning I	1-3 OE 200 Open Elective	N/A
PSYH299 Individualized Studies in Psychology	1-2 OE 200 Open Elective	N/A

PHYSICAL THERAPIST ASSISTING (PTHA)

PTHA111 Introduction to Physical Therapist Assisting	2 OE 100 Open Elective	2
PTHA112 Functional Anatomy and Kinesiology	4 OE 100 Open Elective	4
PTHA121 Physical Therapist Assisting Procedures I	5 OE 100 Open Elective	5
PTHA122 Physical Therapist Assisting Procedures II	5 OE 100 Open Elective	5
PTHA221 Rehabilitation Principles I	3 OE 200 Open Elective	3
PTHA222 Rehabilitation Principles II	4 OE 200 Open Elective	4
PTHA231 Clinical Practicum I	4 OE 200 Open Elective	4
PTHA232 Clinical Practicum II	4 OE 200 Open Elective	4

PTHA233 Clinical Practicum III	6 OE 200 Open Elective	6
PTHA235 Advanced Topics and Clinical Critique	2 OE 200 Open Elective	2

QUALITY ASSURANCE (QLTY)

QLTY111 Quality Measurements- Metrology	3 OE 100 Open Elective	3
QLTY121 Quality Assurance Techniques (SPC)	2 OE 100 Open Elective	2
QLTY199 Introduction to the World of Work - QLTY	1 OE 100 Open Elective	1
QLTY221 Quality Management Principles and Practices	3 OE 200 Open Elective	3
QLTY222 Internal Plant Logistics	3 OE 200 Open Elective	3
QLTY224 Lean Management Principles and Practices	3 MGT200 Management Elective	3
QLTY226 Six Sigma Basic Tools and Techniques	3 MGT200 Management Elective	3
QLTY232 Sampling and Inspection Control	2 MGT200 Management Elective	2
QLTY235 Quality Audit and Corrective Action	2 MGT200 Management Elective	2
QLTY236 Reliability Centered Maintenance Technologies	3 MGT200 Management Elective	3
QLTY287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
QLTY288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A

READING AND STUDY SKILLS (RDST)

RDST021 College Reading I	3 NC	*
RDST022 College Reading II	3 NC	*
RDST031 College Study Skills	2 NC	*

RADIOLOGIC TECHNOLOGY (RDTC)

RDTC110 Introduction to Radiography	3 OE 100 Open Elective	3
RDTC114 Radiographic Procedures I	4 OE 100 Open Elective	4
RDTC116 Radiographic Procedures II	4 OE 100 Open Elective	4
RDTC117 Radiographic Physics and Equipment	3 OE 100 Open Elective	3
RDTC118 Imaging Techniques and Processing	4 OE 100 Open Elective	4
RDTC119 Advanced Procedures and Modalities	4 OE 100 Open Elective	4
RDTC211 Image Critique	2 OE 200 Open Elective	2
RDTC212 Radiologic Pathology	2 OE 200 Open Elective	2
RDTC213 Radiologic Imaging Science	5 OE 200 Open Elective	5
RDTC234 Trends in Radiology	5 OE 200 Open Elective	5
RDTC236 Radiobiology and Protection	2 OE 200 Open Elective	2
RDTC299 Individualized Studies in Radiologic Technology	1-2 OE 200 Open Elective	N/A

RELIGION (RELG)

RELG181 Introduction to World Religions	3 CUL220 Religions of the World	3
RELG182 Introduction to Religious Studies	3 CUL100 Cultural Studies Elective	3
RELG251 Exploring the Bible	3 CUL200 Cultural Studies Elective	3
RELG261 Religion in America	3 CUL200 Cultural Studies Elective	3
RELG262 Introduction to Eastern Philosophy	3 CUL200 Cultural Studies Elective	3
RELG263 Introduction to the Religions of China	3 CUL200 Cultural Studies Elective	3
RELG270 Religion and Science	3 CUL200 Cultural Studies Elective	3
RELG281 Philosophy of Religion	3 CUL200 Cultural Studies Elective	3
RELG299 Individualized Studies in Religion	1-2 OE 200 Open Elective	N/A

RESEARCH (RSCH)

RSCH150 Information Research	2 OE 100 Open Elective	2
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SUBSTAINABLE AGRICULTURE (SAGR)

SAGR100 Introduction to Sustainable Agriculture	2 OE 100 Open Elective	2
SAGR101 Fall Crop Production	3 OE 100 Open Elective	3
SAGR102 Spring Crop Production	3 OE 100 Open Elective	3
SAGR103 Summer Crop Production	3 OE 100 Open Elective	3
SAGR104 Food Systems, Society and Global Health	4 OE 100 Open Elective	4
SAGR105 Introduction to Interior Landscaping	3 OE 100 Open Elective	3
SAGR106 Soil Management and Conservation	3 OE 100 Open Elective	3
SAGR107 Worldviews to Support Sustainable Agriculture	1 OE 100 Open Elective	1
SAGR108 Introduction to Sustainable Animal Farming	4 OE 100 Open Elective	4
SAGR109 Wild Edibles	1 OE 100 Open Elective	1
SAGR110 Permaculture: Principles and Applications	4 OE 100 Open Elective	4
SAGR111 Permaculture Design for Community	2 OE 100 Open Elective	2
SAGR112 Business Principles of Sustainable Agriculture	3 OE 100 Open Elective	3
SAGR113 Plant Propagation	2 OE 100 Open Elective	2
SAGR170 Service Learning I/Sustainable Agriculture	1-3 OE 100 Open Elective	N/A
SAGR287 Work Based Learning Sustainable Agriculture	1-3 OE 200 Open Elective	N/A

STUDENT DEVELOPMENT (SDEV)

SDEV101 College 101	1 OE 100 Open Elective	1
SDEV102 Strategies for College Success	3 OE 100 Open Elective	3
SDEV103 Career Exploration and Life Planning	2 OE 100 Open Elective	2
SDEV104 Job Search Strategies	1 OE 100 Open Elective	1
SDEV299 Individualized Studies in Student Development	1-2 OE 200 Open Elective	N/A

SOCIOLOGY (SOCY)

SOCY151 Introduction to Sociology	3 SOC101 Principles of Sociology	3
SOCY155 Introduction to Archaeology	3 OE 100 Open Elective	3
SOCY161 Introduction to Cultural Anthropology	3 CUL100 Cultural Studies Elective	3
SOCY255 Family	3 SOC310 Sociology of the Family	3
SOCY256 Social Problems	3 SOC250 Social Psychology	3
SOCY265 Death and Dying	2 FOR485 Death and Dying	2
SOCY276 Race and Ethnicity	3 SOC200 Sociology Elective	3
SOCY287 Work-Based Learning I- Sociology	1-3 OE 200 Open Elective	N/A
SOCY299 Individualized Studies in Sociology	1-2 OE 200 Open Elective	N/A

DIAGNOSTIC MEDICAL SONOGRAPHY (SONO)

SONO111 Orientation to Diagnostic Medical Sonography	1 OE 100 Open Elective	1
SONO122 Imaging Modalities	1 OE 100 Open Elective	1
SONO131 Introduction to Diagnostic Medical Sonography	7 OE 100 Open Elective	7
SONO215 Diagnostic Medical Sonography I	7 OE 200 Open Elective	7
SONO221 Ultrasound Physics and Instrumentation I	2 OE 200 Open Elective	2
SONO222 Ultrasound Physics and Instrumentation II	2 OE 200 Open Elective	2
SONO223 Diagnostic Medical Sonography II	8 OE 200 Open Elective	8

SONO224 Advanced Diagnostic Medical Sonography Studies	6 OE 200 Open Elective	6
SONO229 Professional Issues in Diagnostic Medical Sonography	1 OE 200 Open Elective	1
<i>SOCIAL WORK (SOWK)</i>		
SOWK151 Introduction to Social Work	3 OE 100 Open Elective	3
SOWK251 Social Welfare and Poverty	3 OE 200 Open Elective	3
SOWK252 Human Behavior and Social Environment	3 OE 200 Open Elective	3
SOWK299 Individualized Studies in Social Work	1-2 OE 200 Open Elective	N/A
<i>SPANISH (SPNH)</i>		
SPNH151 Elementary Spanish I	4 SPA101 Elementary Spanish I	3
SPNH152 Elementary Spanish II	4 SPA102 Elementary Spanish II	3
SPNH251 Intermediate Spanish I	3 SPA201 Intermediate Spanish I	3
SPNH252 Intermediate Spanish II	3 SPA202 Adv Spanish Lang & Literature: The Novel	3
SPNH257 Spanish Composition	3 OE 200 Open Elective	3
SPNH258 Spanish Conversation	3 OE 200 Open Elective	3
SPNH259 Spanish Grammar Review	3 OE 200 Open Elective	3
SPNH260 Introduction to Hispanic Literature	4 OE 200 Open Elective	4
SPNH271 Culture and Civilization of Spain	3 CUL200 Cultural Studies Elective	3
SPNH272 Culture and Civilization of Latin America	3 CUL200 Cultural Studies Elective	3
SPNH299 Individualized Studies in Spanish	1-2 OE 200 Open Elective	N/A
<i>SURGICAL TECHNOLOGY (SRGT)</i>		
SRGT114 Surgical Technology II, Surgical Procedures	8 OE 100 Open Elective	8
SRGT123 Introduction to Surgical Technology I	9 OE 100 Open Elective	9
SRGT136 Anesthesia and Anesthetics	2 OE 100 Open Elective	2
SRGT215 Surgical Technology II, Surgical Procedures	8 OE 200 Open Elective	8
SRGT221 Healthcare in Developing Nations	4 OE 200 Open Elective	4
SRGT226 Surgical Technology IV	11 OE 200 Open Elective	11
SRGT287 Work Based Learning I	1-3 OE 200 Open Elective	N/A
<i>TELECOMMUNICATIONS (TCMN)</i>		
TCMN151 Introduction to Mass Communication	3 COM241 Introduction to Mass Communication	3
TCMN162 Introduction to Radio Production	3 OE 100 Open Elective	3
TCMN163 Radio Workshop	2 OE 100 Open Elective	2
TCMN171 Multi-Camera TV Production	3 OE 100 Open Elective	3
TCMN175 Broadcast Speaking	3 OE 100 Open Elective	3
TCMN177 Interactive TV and Video Production	3 OE 100 Open Elective	3
TCMN199 Introduction to the World of work-TCMN	1 OE 100 Open Elective	1
TCMN264 Non-Linear Editing	3 OE 200 Open Elective	3
TCMN265 Television Workshop	1 OE 200 Open Elective	1
TCMN275 Television Production	3 OE 200 Open Elective	3
TCMN277 Advanced Television Workshop	1 OE 200 Open Elective	1
TCMN278 Field Production & Online Distribution	3 OE 200 Open Elective	3
TCMN285 Media Internship	1 OE 200 Open Elective	1
TCMN299 Individualized Studies in Communication&Performing Arts	1-2 OE 200 Open Elective	N/A

TECHNOLOGY (TECN)

TECN111 Technical Problem Solving	3 OE 100 Open Elective	3
TECN115 Industrial Blueprint Reading	2 OE 100 Open Elective	2
TECN121 Fluid Power	3 OE 100 Open Elective	3
TECN125 Industrial Safety and Practices	2 OE 100 Open Elective	2
TECN126 Principles of Technology	3 OE 100 Open Elective	3
TECN127 Maintenance Machining	2 OE 100 Open Elective	2
TECN131 Manufacturing Processes I	3 OE 100 Open Elective	3
TECN132 Manufacturing Processes II	3 OE 100 Open Elective	3
TECN133 Mechanical Systems	3 OE 100 Open Elective	3
TECN211 Fluid Power Control Systems	2 OE 200 Open Elective	2
TECN220 Industrial Piping & Tubing	3 OE 200 Open Elective	3
TECN245 Geometric Dimensioning and Tolerancing	2 OE 200 Open Elective	2

THEATER (THTR)

THTR151 Introduction to Theater	3 THR222 Introduction to Theatre	3
THTR162 Introduction to Technical Production	3 THR100 Theatre Elective	3
THTR168 Playwriting for Stage and Screen	3 THR100 Theatre Elective	3
THTR181 Techniques of Acting	3 THR250 The Art of Acting	3
THTR182 Advanced Techniques of Acting	3 THR100 Theatre Elective	3
THTR183 Periods of Styles of Performance	3 THR100 Theatre Elective	3
THTR184 Multicultural Performance Studies	3 THR100 Theatre Elective	3
THTR185 Theater History	3 THR100 Theatre Elective	3
THTR199 Introduction to the World of Work-THTR	1 OE 100 Open Elective	1
THTR255 Voice and Movement	3 THR200 Theatre Elective	3
THTR257 Directing Workshop	3 THR200 Theatre Elective	3
THTR285 Theater Laboratory	1 OE 200 Open Elective	1
THTR286 Technical Theater Practicum	1 OE 200 Open Elective	1
THTR287 Work Based Learning I	1-3 OE 200 Open Elective	N/A
THTR299 Individualized Studies in Theater	1-2 OE 200 Open Elective	N/A

TOURISM (TRSM)

TRSM111 Introduction to the Tourism Industry	3 HOS104 Intro to the Hospitality & Tourism Industry	3
TRSM112 Introduction to the Hospitality Industry	3 HOS104 Intro to the Hospitality & Tourism Industry	3
TRSM117 E-Commerce and Technology in the Tourism Industry	2 HOS100 Hospitality Management Elective	2
TRSM118 Food Safety and Sanitation	2 HOS280 Hospitality Facilities Management	3
TRSM119 Technology in the Hospitality Industry	2 HOS100 Hospitality Management Elective	2
TRSM120 Housekeeping Operations	2 HOS100 Hospitality Management Elective	2
TRSM121 Front Office Operations	2 HOS100 Hospitality Management Elective	2
TRSM124 Conference, Meeting and Event Planning	3 HOS100 Hospitality Management Elective	3
TRSM143 Hospitality Law	3 HOS100 Hospitality Management Elective	3
TRSM220 Beverage Operations Management	2 HOS200 Hospitality Management Elective	3
TRSM226 Hospitality Supervision	2 HOS200 Hospitality Management Elective	2
TRSM227 Food & Beverage Service Operations	2 HOS200 Hospitality Management Elective	2
TRSM228 Food and Beverage Management	2 HOS200 Hospitality Management Elective	2
TRSM234 Airline Ticketing Procedures	3 HOS200 Hospitality Management Elective	3
TRSM239 Airline Computer Reservation Systems I	3 HOS200 Hospitality Management Elective	3

TRSM240 Airline Computer Reservation Systems II	3 HOS200 Hospitality Management Elective	3
TRSM241 World Leisure Destinations	3 HOS200 Hospitality Management Elective	3
TRSM245 Casino Operations	2 HOS200 Hospitality Management Elective	2
TRSM247 Cruise & Resort Management	3 HOS200 Hospitality Management Elective	3
TRSM248 International Experience	2 HOS200 Hospitality Management Elective	2
TRSM285 HTM Practicum	1-3 OE 200 Open Elective	N/A
TRSM287 Work-Based Learning-Tourism	2-3 OE 200 Open Elective	N/A
TRSM288 Work Based Learning II	1-3 OE 200 Open Elective	N/A
TRSM299 Individualized Studies in Tourism	1-2 OE 200 Open Elective	N/A

URBAN STUDIES (URBS)

URBS121 Quantitative Methods	3 OE 100 Open Elective	3
URBS122 Report Writing	3 OE 100 Open Elective	3
URBS151 Introduction to Urban Studies	3 OE 100 Open Elective	3
URBS152 Contemporary Urban Studies	3 OE 100 Open Elective	3
URBS155 Introduction to Archaeology	3 OE 100 Open Elective	3
URBS210 Introduction to Women's Studies	3 OE 200 Open Elective	3
URBS250 Urban Spatial Systems	3 OE 200 Open Elective	3
URBS287 Work Based Learning I	1-3 OE 200 Open Elective	N/A
URB299 Individualized Studies in Urban Studies	1-2 OE 200 Open Elective	N/A

WOMEN'S STUDIES (WMST)

WMST210 Introduction to Women's Studies	3 OE 200 Open Elective	3
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WELDING (WTEC)

WTEC108 Oxy-Fuel Welding and Cutting	2 OE 100 Open Elective	2
WTEC111 Welding Specifications and Print Reading	2 OE 100 Open Elective	2
WTEC112 Welding Codes and Standards	2 OE 100 Open Elective	2
WTEC116 Basic Shielded Metal Arc Welding (SMAW)	3 OE 100 Open Elective	3
WTEC212 Welding Fabrication, Layout and Design	4 OE 200 Open Elective	4
WTEC216 Wire Fed Processes	3 OE 200 Open Elective	3
WTEC217 Gas Tungsten Arc Welding (GTAW)	3 OE 200 Open Elective	3
WTEC218 Advanced Arc Welding	2 OE 200 Open Elective	2
WTEC221 Weld Quality Inspection	3 OE 200 Open Elective	3
WTEC287 Work-Based Learning I	1-3 OE 200 Open Elective	N/A
WTEC288 Work-Based Learning II	1-3 OE 200 Open Elective	N/A
WTEC289 Work-Based Learning III	1-3 OE 200 Open Elective	N/A