BASED ON THE 2014-2015 CENTRAL OHIO TECHNICAL COLLEGE CATALOG AND THE
2015-2016 TIFFIN UNIVERSITY ACADEMIC BULLETIN
Central Ohio Technical College Course Equivalence

CENTRAL OHIO TECHNICAL COLLEGE	Sem. Hrs.	TIFFIN UNIVERSITY	Sem. Hrs.
ACCOUNTING TECHNOLOGY (ACCT)			
ACCT111 Financial Accounting	3	ACC201 Survey of Accounting	3
ACCT122 Introductory Managerial Accounting	3	ACC228 Managerial Accounting	3
ACCT123 Principles of Finance	3	ACC100 Accounting Elective	3
ACCT127 Computerized Accounting	3	ACC231 Computerized Accounting	3
ACCT200 Automated Accounting Operations	2	ACC200 Accounting Elective	2
ACCT231 Intermediate Accounting I	4	ACC210 Analysis of the Accounting Process	4
ACCT232 Cost Management	3	ACC200 Accounting Elective	3
ACCT235 Payroll Accounting	2	ACC200 Accounting Elective	2
ACCT239 Fraud Examination	3	ACC200 Accounting Elective	3
ACCT241 Intermediate Accounting II	4	ACC200 Accounting Elective	4
ACCT244 Individual Taxation	3	ACC200 Accounting Elective	3
ACCT246 Governmental Accounting	3	ACC200 Accounting Elective	3
ACCT247 Auditing	3	ACC301 Intermediate Accounting I	3
ACCT249 Forensic Accounting	3	ACC200 Accounting Elective	3
ACCT259 Forensic Accounting Capstone	2	ACC200 Accounting Elective	2
ACCT260 Accounting Field Experience	1.5	ACC200 Accounting Elective	1.5
ACCT-B2114 Financial Accounting (Bridge Course)	3	ACC200 Accounting Elective	3
ACCT-B2116 Data Applications in Acc (Bridge Course)	2	ACC200 Accounting Elective	2
ACCT-B2136 General Ledger Software (Bridge Course)	2	ACC200 Accounting Elective	2
ACCT-B2173 Intermediate Accounting II (Bridge Course)	3	ACC200 Accounting Elective	3
ACCT-B2174 Intermediate Accounting III (Bridge Course)	3	ACC200 Accounting Elective	3
ARCHITECTURAL ENGINEER (ARCH)			
ARCH110 CAD Fundamentals	2	OE 100 Open Elective	2
ARCH111 Advanced CAD	3	OE 100 Open Elective	3
ARCH115 3D Design with SketchUp	1.5	OE 100 Open Elective	1.5
ARCH125 Revit Architecture	1.5	OE 100 Open Elective	1.5
ARCH135 Technical Drawing	3	OE 100 Open Elective	3
ARCH168 Construction Materials	3	OE 100 Open Elective	3
ARCH176 Architecture History Survey	3	OE 100 Open Elective	3
ARCH190 Architecture I	3	OE 100 Open Elective	3
ARCH230 Building Mechanical Systems	2	OE 200 Open Elective	2
ARCH249 Construction Compliance	3	OE 200 Open Elective	3
ARCH290 Architecture II	3	OE 200 Open Elective	3
ARCH297 Special Topics: Historic Preservation	2	OE 200 Open Elective	2
ARCH-B3707 Intermediate CAD (Bridge Course)	1	OE 200 Open Elective	1
ARCH-B3708 Advanced CAD (Bridge Course)	1	OE 200 Open Elective	1
ARCH-B3728 Drafting II (Bridge Course)	2	OE 200 Open Elective	2

BIOLOGY (BIO)

Course		Equivalent	
BIO005 Introduction to Scientific Principles	3	No Credit	*
BIO010 Introduction to Human Biology	3	No Credit	*
BIO105 Environmental Science	4	NAT215 Environmental Science	4
BIO110 Medical Terminology	2	MGT151 Medical Terminology	2
BIO115 Human Nutrition	3	NAT100 Natural Science Elective	3
BIO120 General Biology	4	BIO101 Contemporary Biological Probs	4
BIO121 Human Biology	4	BIO100 Biology Elective	4
BIO130 Anatomy and Physiology I	4	NAT150 Introduction to Anatomy & Physiology + NAT150L	3+1
BIO131 Anatomy and Physiology II	4	BIO100 Biology Elective	4
BIO140 General Ecology	4	BIO100 Biology Elective	4
BIO150 Anatomy and Physiology I	4	BIO100 Biology Elective	4
BIO151 Anatomy and Physiology II	4	BIO100 Biology Elective	4
BIO160 Biology I	5	BIO100 Biology Elective	5
BIO161 Biology II	5	BIO100 Biology Elective	5
BIO200 Microbiology	4	BIO200 Biology Elective	4
BIO210 Pathophysiology of Human Diseases	4	BIO200 Biology Elective	4

BUSINESS MANAGEMENT (BUS)

Course		Equivalent	
BUS105 Introduction to Business	3	MGT121 How Business Works	3
BUS110 Introduction to Management	3	MGT201 Management of Organizations	3
BUS115 Introduction to Marketing	3	MGT151 Introductory Marketing	3
BUS120 Business Law	3	LAW211 Business Law I	3
BUS125 PC Applications in Business	3	CIS111 Information Systems & Applications	3
BUS130 Team Building	3	MGT100 Management Elective	3
BUS135 Introduction to Human Resource Management	3	MGT131 Introduction to Human Resources and Ethics	3
BUS140 Advertising and Public Relations	3	COM212 Introduction to Public Relations	3
BUS150 Document Applications	3	CIS100 Computer Information Systems Elective	3
BUS155 Spreadsheet Applications	3	CIS100 Computer Information Systems Elective	3
BUS165 Presentation Applications	2	CIS100 Computer Information Systems Elective	2
BUS170 Business Portfolio I	1	OE 100 Open Elective	1
BUS175 The Business Environment	2	MGT161 Introduction to Business	2
BUS205 Global Business	3	MGT200 Management Elective	3
BUS210 Entrepreneurship	3	MGT200 Management Elective	3
BUS215 E-Commerce	3	MGT200 Management Elective	3
BUS220 Human Resource Law, Policies and Procedures	3	MGT200 Management Elective	3
BUS225 Personal Interviewing and Counseling	2	MGT200 Management Elective	2
BUS230 Compensation and Benefits	3	MGT200 Management Elective	3
BUS235 Labor Relations	2	MGT200 Management Elective	2
BUS240 Retail Management	3	MKT253 Marketing Communications	3
BUS245 Cases in Marketing Research	2	MKT200 Marketing Elective	2
BUS250 Managerial Problem Solving	3	MGT200 Management Elective	3
BUS255 Strategic Management	3	MGT200 Management Elective	3
BUS270 Business Portfolio II	1	OE 200 Open Elective	1
BUS280 Social Media Marketing	2	MKT200 Marketing Elective	2
BUS285 Advertising Campaign	2	MKT253 Marketing Communications	2
BUS290 Business Field Experience I	1.5	OE 200 Open Elective	1.5

BUS291 Business Field Experience II	1.5	OE 200 Open Elective	1.5
BUS292 Business Field Experience III	2	MGT200 Management Elective	2
BUS-B2028 Document Production II (Bridge Course)	2	CIS200 Computer Information Systems Elective	2
BUS-B2038 Spreadsheet Applications II	2	CIS200 Computer Information Systems Elective	2
BUS-B2480 Service Marketing Mgt (Bridge Course)	2	MGT200 Management Elective	2
BUS-B2482 Retail Management (Bridge Course)	2	MKT253 Marketing Communications	2
BUS-B2483 Advert Concepts/Procedures (Bridge Course)	2	MKT200 Marketing Elective	2
BUS-B2485 Public Relations	2	COM212 Introduction to Public Relations	2
BUS-B2856 Human Resource Law	2	MGT200 Management Elective	2
BUS-B2871 Health, Safety, and Security (Bridge Course)	2	MGT200 Management Elective	2

CHEMISTRY (CHEM)

CHEM020 Introduction to Chemistry Principles	4	No Credit	*
CHEM100 Basic Chemistry	4	CHM100 Chemistry Elective	4
CHEM101 General Organic Chemistry	4	CHM100 Chemistry Elective	4
CHEM102 Fundamental Chemistry	4	CHM100 Chemistry Elective	4
CHEM110 General Chemistry I	5	CHM131 General Chemistry I + CHM131L	3+1
CHEM111 General Chemistry II	5	CHM132 General Chemistry II + CHM132L	3+1

INFORMATION TECHNOLOGY (CIT)

CIT101 User Support Concepts	3	CIS100 Computer Information Systems Elective	3
CIT102 Computer Applications for Techn Specialists	3	CIS100 Computer Information Systems Elective	3
CIT103 Technology Integration Support	3	CIS100 Computer Information Systems Elective	3
CIT105 Principles of Computer Programming	3	CIS100 Computer Information Systems Elective	3
CIT110 Operating Systems & Security	3	CIT155 Operating Systems	3
CIT115 Math for Information Technology	3	MAT174 Finite Mathematics	3
CIT120 PC Hardware Troubleshooting and Maintenance	3	CIS100 Computer Information Systems Elective	3
CIT125 Networking	4	CIS100 Computer Information Systems Elective	4
CIT130 Visual Basic I	3	CIS201 Programming	3
CIT135 Programming in C	3	CIS201 Programming	3
CIT140 Java Programming	3	CIS201 Programming	3
CIT145 XHTML, CSS & HTML5	3	CIS100 Computer Information Systems Elective	3
CIT150 Internet Programming I	3	CIS255 Internet and Website Development	3
CIT160 Database	3	CIS100 Computer Information Systems Elective	3
CIT165 Database for the Web	3	CIS315 Database Design and Applications I	3
CIT170 Data Modeling	3	CIS100 Computer Information Systems Elective	3
CIT175 Medical Informatics	3	CIS100 Computer Information Systems Elective	3
CIT205 Advanced C++	3	CIS201 Programming	3
CIT210 Systems Analysis and Design	4	CIS212 Systems Analysis & Design	4
CIT215 IT Project Management	3	CIS200 Computer Information Systems Elective	3
CIT230 Visual Basic II	3	CIS316 Database Design and Applications II	3
CIT240 IT Specialist Capstone	2	CIS200 Computer Information Systems Elective	2
CIT250 Internet Programming II	3	CIS200 Computer Information Systems Elective	3
CIT255 Internet Programming III	3	CIS200 Computer Information Systems Elective	3
CIT265 Disaster Recovery and Business Continuity	3	CIS200 Computer Information Systems Elective	3
CIT270 Programming & Software Develop Capstone	2	CIS200 Computer Information Systems Elective	2
CIT291 IT Internship (Practicum)	2	CIS200 Computer Information Systems Elective	2

CIT297 IT Cooperative Work Experience	2	CIS200 Computer Information Systems Elective	2
CIT298 Internet Programming II	2	CIS200 Computer Information Systems Elective	2
CIT299 IT Cooperative Work Experience	2	CIS200 Computer Information Systems Elective	2
CIT-B2586 C++ Object Oriented Program (Bridge Course)	2	CIS200 Computer Information Systems Elective	2
CIT-B2587 Advanced C++ Programming (Bridge Course)	2	CIS200 Computer Information Systems Elective	2
CIT-B3326 Local Area Networks-Microsoft (Bridge Course)	2	CIS200 Computer Information Systems Elective	2

CIVIL ENGINEERING (CIVL)

CIVL120 Autodesk Civil 3D	1.5	OE 100 Open Elective	1.5
CIVL160 Introduction to Civil Engineering Technology	2	OE 100 Open Elective	2
CIVL170 Site Engineering	3	OE 100 Open Elective	3
CIVL235 Structural Steel and Concrete	2	OE 200 Open Elective	2
CIVL240 Statics & Strengths of Materials I	2	OE 200 Open Elective	2
CIVL241 Statics & Strengths of Materials II	2	OE 200 Open Elective	2
CIVL245 Surveying	2	OE 200 Open Elective	2
CIVL260 Construction Materials and Testing	2	OE 200 Open Elective	2
CIVL265 Soil Mechanics and Foundations	3	OE 200 Open Elective	3
CIVL270 Land Development Drafting and Design	3	OE 200 Open Elective	3

CULINARY SCIENCE (CUL)

CUL101 Introduction to Culinary Science	2	OE 100 Open Elective	2
CUL102 Product Knowledge and Purchasing	2	OE 100 Open Elective	2
CUL103 Food Service Safety	1	OE 100 Open Elective	1
CUL110 Culinary Skills Development I	3	OE 100 Open Elective	3
CUL111 Culinary Fabrication	3	OE 100 Open Elective	3
CUL120 Culinary Skills Development II	3	OE 100 Open Elective	3
CUL121 Garde Manager	3	OE 100 Open Elective	3
CUL186 Culinary Practicum	2	OE 100 Open Elective	2
CUL201 International Cuisines	1.5	OE 200 Open Elective	1.5
CUL202 Cuisines Across America	1.5	OE 200 Open Elective	1.5
CUL203 Menu Planning and Cost Controls	3	OE 200 Open Elective	3
CUL210 Techniques of Banqueting and Catering	3	OE 200 Open Elective	3
CUL211 Baking, Pastry, and Desserts	3	OE 200 Open Elective	3
CUL212 Wine and Beverage Services	3	OE 200 Open Elective	3
CUL286 Culinary Co-op Work Experience	2	OE 200 Open Elective	2

DIGITAL MEDIA DESIGN (DMD)

DMD100 Fundamentals of Drawing	3	OE 100 Open Elective	3
DMD101 Digital Software Fundamentals	1	OE 100 Open Elective	1
DMD103 Typography	1	OE 100 Open Elective	1
DMD104 Design Fundamentals	3	OE 100 Open Elective	3
DMD105 Digital Photography I	3	COM134 Digital Photography	3
DMD106 Mass Media Communications	3	COM241 Introduction to Mass Communications	3
DMD107 Intro to e-Life: The Evolving Web	3	OE 100 Open Elective	3
DMD108 Multimedia Production I	2	OE 100 Open Elective	2
DMD109 Multimedia Production II	2	OE 100 Open Elective	2
DMD110 Photoshop for the Web	1	OE 100 Open Elective	1

DMD111 Web Typography	1	OE 100 Open Elective	1
DMD112 Information Architecture	1	OE 100 Open Elective	1
DMD120 Web Design & Development I	3	CIS255 Internet & Website Development	3
DMD121 Web Design & Development II	3	CIS100 Computer Information Systems Elective	3
DMD201 Graphic Design I	3	CIS200 Computer Information Systems Elective	3
DMD202 Graphic Design II	3	CIS200 Computer Information Systems Elective	3
DMD203 Interactive and Mobile Site Design	3	CIS200 Computer Information Systems Elective	3
DMD205 Portrait Photography	3	CIS200 Computer Information Systems Elective	3
DMD206 Product Photography	1	OE 200 Open Elective	1
DMD210 Motion Graphics	2	CIS200 Computer Information Systems Elective	2
DMD222 Web Design & Development III	3	CIS200 Computer Information Systems Elective	3
DMD240 Digital Video I	2	CIS200 Computer Information Systems Elective	2
DMD241 Digital Video II	2	CIS200 Computer Information Systems Elective	2
DMD242 e-Publishing and Interactive Documents	2	CIS200 Computer Information Systems Elective	2
DMD250 Digital Media Design Capstone	2	CIS200 Computer Information Systems Elective	2
DMD251 Digital Media Portfolio	1	OE 200 Open Elective	1
DMD260 Advertising Portfolio	1	OE 200 Open Elective	1
DMD270 iPhone App Development	2	CIS200 Computer Information Systems Elective	2
DMD271 Droid App Development	2	CIS200 Computer Information Systems Elective	2
DMD294 Digital Media Practicum	2	CIS200 Computer Information Systems Elective	2
DMD-B3819 Graphic Design History (Bridge Course)	2	CIS200 Computer Information Systems Elective	2
DMD-B3824 Fundamentals of Color (Bridge Course)	2	CIS200 Computer Information Systems Elective	2
DMD-3825 Digital Photography II	2	CIS200 Computer Information Systems Elective	2
DMD-B3850 Web Design & Develo III (Bridge Course)	1	OE 200 Open Elective	1
DMD-B3853 Information Design (Bridge Course)	1	OE 200 Open Elective	1

DIAGNOSTIC MED SONOGRAPHY (DMS)

DMS100 Introduction to Sonography and Patient Care	2	OE 100 Open Elective	2
DMS110 Cross-Sectional Anatomy	2	OE 100 Open Elective	2
DMS115 Current Issues in Healthcare	1	OE 100 Open Elective	1
DMS180 Sonography Scan Lab I	2	OE 100 Open Elective	2
DMS181 Sonography Scan Lab II	2	OE 100 Open Elective	2
DMS182 Cardiovascular Scan Lab I	2	OE 100 Open Elective	2
DMS183 Cardiovascular Scan Lab II	2	OE 100 Open Elective	2
DMS185 Principles of Clinical Sonography	4	OE 100 Open Elective	4
DMS186 Principles of Clinical Cardiovascular Sonography	4	OE 100 Open Elective	4
DMS200 Sonographic Physics and Instrumentation I	3	OE 200 Open Elective	3
DMS201 Sonographic Physics and Instrumentation II	3	OE 200 Open Elective	3
DMS210 Obstetrical and Gynecological Sonography I	3	OE 200 Open Elective	3
DMS211 Obstetrical and Gynecological Sonography II	4	OE 200 Open Elective	4
DMS220 Abdominal Sonography I	3	OE 200 Open Elective	3
DMS221 Abdominal Sonography II	3	OE 200 Open Elective	3
DMS222 Breast Sonography	1	OE 200 Open Elective	1
DMS230 Echocardiography I	3	OE 200 Open Elective	3
DMS231 Echocardiography II	3	OE 200 Open Elective	3
DMS232 Introduction to Pediatric Echocardiography	2	OE 200 Open Elective	2
DMS240 Vascular Sonography I	3	OE 200 Open Elective	3

DMS241 Vascular Sonography II	3	OE 200 Open Elective	3
DMS285 Clinical Sonography I	6	OE 200 Open Elective	6
DMS286 Clinical Sonography II	6	OE 200 Open Elective	6
DMS287 Clinical Cardiovascular Sonography I	6	OE 200 Open Elective	6
DMS288 Clinical Cardiovascular Sonography II	6	OE 200 Open Elective	6
DMS301 Cardiovascular Physiology	3	OE 200 Open Elective	3
DMS302 Abdominal Vascular Disease & Testing	4	OE 200 Open Elective	4
DMS303 Survey of Abdominal Sonography	3	OE 200 Open Elective	3
DMS304 Survey of Echocardiography	3	OE 200 Open Elective	3
DMS305 Survey of Vascular Technology	3	OE 200 Open Elective	3
DMS306 Fetal, Neonatal & Pediatric Echocardiography	3	OE 200 Open Elective	3

EARLY CHILDHOOD EDUCATION (ECE)

ECE110 Observation and Assessment Practices	2	OE 100 Open Elective	2
ECE120 Fundamentals of Reading and Writing	2	OE 100 Open Elective	2
ECE130 Health and Safety in Education	3	OE 100 Open Elective	3
ECE140 Introduction to Child Development	3	OE 100 Open Elective	3
ECE150 Guidance and Group Management	3	OE 100 Open Elective	3
ECE160 Integrated Curriculum	3	OE 100 Open Elective	3
ECE170 Children's Literature	2	OE 100 Open Elective	2
ECE180 Engaging Children in Projects	2	OE 100 Open Elective	2
ECE190 Professionalism in ECE	1	OE 100 Open Elective	1
ECE198 Special Topics in Early Childhood Education	3	OE 100 Open Elective	3
ECE210 Family, School and Community	3	OE 200 Open Elective	3
ECE220 Math and Science for ECD	2	OE 200 Open Elective	2
ECE230 Creative Arts Across the Curriculum	2	OE 200 Open Elective	2
ECE260 Issues in Education	1	OE 200 Open Elective	1
ECE279 Administration in ECE Programs	2	OE 200 Open Elective	2
ECE285 Infant & Toddler Practicum	2	OE 200 Open Elective	2
ECE289 ECE Field Experience	2	OE 200 Open Elective	2
ECE290 ECE Student, Teaching Field Experience	3	OE 200 Open Elective	3

ECONOMICS (ECON)

ECON105 Principles of Microeconomics	3	ECO222 Principles of Microeconomics	3
ECON110 Principles of Macroeconomics	3	ECO221 Principles of Macroeconomics	3

EARLY CHILDHOOD EDUCATION (EDU)

EDU100 Introduction to Education	3	EDU100 Foundations of Education	3
EDU115 Education Technology	3	EDU150 Introduction to Technology in Education	3
EDU200 Educational Psychology	3	EDU250 Educational Psychology	3
EDU250 Exceptional Individuals	3	EDU230 Survey of Special Needs Education	3

ELECTRICAL ENGINEERING (ELEC)

ELEC113 Circuits I	3	OE 100 Open Elective	3
ELEC213 Circuits II	3	OE 100 Open Elective	3
ELEC225 Communication Electronics I	3	OE 200 Open Elective	3
ELEC235 Communications Electronics II	3	OE 200 Open Elective	3

Course	Cr	Equivalent	Cr
ELEC241 Digital Electronics I	3	OE 200 Open Elective	3
ELEC250 Programmable Logic Controllers	3	OE 200 Open Elective	3
ELEC251 Digital Electronics II	3	OE 200 Open Elective	3
ELEC260 Electric Motors	3	OE 200 Open Elective	3
ELEC267 Linear Integrated Circuits	3	OE 200 Open Elective	3

EMERGENCY MED SERVICES (EMS)

Course	Cr	Equivalent	Cr
EMS100 Basic Life Support (CPR) for Healthcare Provider	0.5	OE 100 Open Elective	0.5
EMS105 First Aid	2	NAT100 Natural Science Elective	2
EMS110 Emergency Medical Responder	2	OE 100 Open Elective	2
EMS120 Emergency Medical Technician	7	OE 100 Open Elective	7
EMS150 Advanced EMT	8	OE 100 Open Elective	8
EMS190 EMT Experience Practicum	2	OE 100 Open Elective	2
EMS200 Paramedic I	8	OE 200 Open Elective	8
EMS225 Paramedic II	8	OE 200 Open Elective	8
EMS250 Paramedic III	8	OE 200 Open Elective	8
EMS260 Paramedic Refresher	2	OE 200 Open Elective	2
EMS280 Paramedic I- Clinical Lab	1.5	OE 200 Open Elective	1.5
EMS281 Paramedic II- Clinical Lab	1.5	OE 200 Open Elective	1.5
EMS282 Paramedic III- Clinical Lab	1.5	OE 200 Open Elective	1.5
EMS290 Paramedic I- Directed Practice	1.5	OE 200 Open Elective	1.5
EMS291 Paramedic II- Directed Practice	1.5	OE 200 Open Elective	1.5
EMS292 Paramedic III- Directed Practice	1.5	OE 200 Open Elective	1.5

ENGLISH/COMPOSITION (ENGL)

Course	Cr	Equivalent	Cr
ENGL112 Composition I	3	ENG141 Rhetoric & Research Writing	3
ENGL113 Composition II	3	ENG142 Writing, Research & Literature	3
ENGL207 Business and Professional Communication	3	COM200 Communication Elective	3
ENGL208 Technical Writing	3	ENG245 Technical Writing	3
ENGL211 Survey of American Literature I	3	ENG293 American Literature I	3
ENGL212 Survey of American Literature II	3	ENG294 American Literature II	3
ENGL216 Writing About Literature	3	ENG200 English Elective	3
ENGL221 Survey of British Literature I	3	ENG291 British Literature I	3
ENGL222 Survey of British Literature II	3	ENG292 British Literature II	3

ENGINEERING TECHNOL (ENGR)

Course	Cr	Equivalent	Cr
ENGR100 Introduction to Engineering Technologies	1	OE 100 Open Elective	1
ENGR105 Introduction to the Oil and Gas Industry	3	OE 100 Open Elective	3
ENGR106 Computer Applicat for Engineering Technicians	2	OE 100 Open Elective	2
ENGR205 Engineering Techn Leadership and Supervision	2	OE 200 Open Elective	2
ENGR279 Engineering Technology Capstone	2	OE 200 Open Elective	2
ENGR296 Engineering Technology Cooperative	3	OE 200 Open Elective	3

ENGINEERING TECH (ENGRTCH)

Course	Cr	Equivalent	Cr
ENGRTCH-B3132 Communic Electronics I (Bridge Course)	3	OE 200 Open Elective	3
ENGRTCH-B3144 Linear Integra Circuits (Bridge Course)	3	OE 200 Open Elective	3
ENGRTCH-B3167 Digital Electronics III (Bridge Course)	3	OE 200 Open Elective	3

ENGRTCH-B3320 Data Communications (Bridge Course)	3	OE 200 Open Elective	3

ELECTRICAL TRADES TECHN (ETA)

ETA101 Overview of the Electrical Trades Industry	2	OE 100 Open Elective	2
ETA102 National Electrical Code I	1	OE 100 Open Elective	1
ETA103 National Electrical Code II	4	OE 100 Open Elective	4
ETA105 Test Instrumentation and Safety	2	OE 100 Open Elective	2
ETA106 Electrical Grounding	4	OE 100 Open Elective	4
ETA107 OSHA 30	2	OE 100 Open Elective	2
ETA108 National Electrical Code II	2	OE 100 Open Elective	2
ETA110 Electrical Math and Conduit Fabrication	1	OE 100 Open Elective	1
ETA121 DC Theory for Electricians	3	OE 100 Open Elective	3
ETA122 AC Theory for Electricians	2	OE 100 Open Elective	2
ETA123 Electronics for Electricians	3	OE 100 Open Elective	3
ETA124 Digital Electronics	3	OE 100 Open Elective	3
ETA125 Electronics for Electricians	2	OE 100 Open Elective	2
ETA201 Industrial Blueprints & Advanced Transformers	2	OE 200 Open Elective	2
ETA202 Advanced Codes and Practices	2	OE 200 Open Elective	2
ETA203 Motors and Motor Control	4	OE 200 Open Elective	4
ETA204 Lightning Protection and HVAC	1	OE 200 Open Elective	1
ETA205 Program Logic Controllers for Electricians	1.5	OE 200 Open Elective	1.5
ETA210 Fire Alarm Systems	1.5	OE 200 Open Elective	1.5
ETA211 Automated Networks&Special Code Applications	2	OE 200 Open Elective	2
ETA212 Advanced Test Instruments	3	OE 200 Open Elective	3
ETA213 Distributed Generation	1	OE 200 Open Elective	1
ETA214 High Voltage and Insulation Testing	2	OE 200 Open Elective	2
ETA215 Telephone and Security Systems	1.5	OE 200 Open Elective	1.5
ETA220 First Aid and CPR for the Electrical Industry	0.5	OE 200 Open Elective	0.5
ETA-B3061 Blue Print Read&Conduit Fabr I (Bridge Course)	1	OE 200 Open Elective	1
ETA-B3062 National Electrical Code I (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3063 National Electrical Codes II (Bridge Course)	4	OE 200 Open Elective	4
ETA-B3064 Blue Print Read&Conduit FabrII (Bridge Course)	1	OE 200 Open Elective	1
ETA-B3065 Test Instrumentation&Safety (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3066 Electrical Grounding (Bridge Course)	4	OE 200 Open Elective	4
ETA-B3067 Industrial Blueprints&Adv Transformers	2	OE 200 Open Elective	2
ETA-B3068 Advanced Codes&Practices (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3069 Motors and Motor Control I (Bridge Course)	3	OE 200 Open Elective	3
ETA-B3070 Lightning Protection&HVAC (Bridge Course)	1	OE 200 Open Elective	1
ETA-B3071 OSHA 30 (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3072 Program Logic Controllers for Electricians	2	OE 200 Open Elective	2
ETA-B3073 Fire Alarm Systems (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3074 Automated Networks and Special Code App	2	OE 200 Open Elective	2
ETA-B3075 Advanced Test Instruments (Bridge Course)	3	OE 200 Open Elective	3
ETA-B3076 Distributed Generation	2	OE 200 Open Elective	2
ETA-B3077 High Voltage&Isolation Testing (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3078 Telephone&Security Systems (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3081 DC Theory for Electricians (Bridge Course)	4	OE 200 Open Elective	4

ETA-B3082 AC Theory for Electricians (Bridge Course)	3	OE 200 Open Elective	3
ETA-B3085 Digital Electronics for Electricians	2	OE 200 Open Elective	2
ETA-B3086 AC Theory-Level II (Bridge Course)	2	OE 200 Open Elective	2
ETA-B3088 AC Theory-Level II	2	OE 200 Open Elective	2

FIRE-FIRE SCIENCE TECHNOLOGY (FIRE)

FIRE101 Firefighter Health and Safety Program	2.5	OE 100 Open Elective	2.5
FIRE102 Fire Fighter I	6	OE 100 Open Elective	6
FIRE103 Fire Fighter II	6	OE 100 Open Elective	6
FIRE104 Driver Operator Pumper&Emerg Vehicle Operat	2	OE 100 Open Elective	2
FIRE110 Principles of Emergency Services	3	OE 100 Open Elective	3
FIRE120 Fire Prevention	3	OE 100 Open Elective	3
FIRE125 Building Construction for Fire Protection	3	OE 100 Open Elective	3
FIRE132 Fire Safety Inspector	3	OE 100 Open Elective	3
FIRE134 Fire Service Instructor	3	OE 100 Open Elective	3
FIRE135 Strategy and Tactics	3	OE 100 Open Elective	3
FIRE140 Princ of Fire&Emergency Services Safety&Survival	2	OE 100 Open Elective	2
FIRE145 Occupational Safety&Health for Emerg Services	2	OE 100 Open Elective	2
FIRE150 Fire Protection Hydraulics and Water Supply	3	OE 100 Open Elective	3
FIRE155 Hazardous Materials	3	OE 100 Open Elective	3
FIRE160 Legal Aspects	3	OE 100 Open Elective	3
FIRE165 Fire and Emergency Services Administration	3	OE 100 Open Elective	3
FIRE215 Fire Protection Systems	2	OE 100 Open Elective	2
FIRE230 Fire Behavior and Combustion	2	OE 200 Open Elective	2
FIRE270 Current Issues in the Fire Service	2	OE 200 Open Elective	2

FORENSIC SCIENCE (FOR)

FOR101 Forensic Criminalistics I	4	FSC115 Introduction to Forensic Science + FSC115L	3+1
FOR102 Forensic Photography	4	FOR100 Forensic Psychology Elective	4
FOR103 Introduction to Fire Origin and Cause	3	OE 100 Open Elective	3
FOR105 Forensic Investigations	3	FSC100 Forensic Science Elective	3
FOR106 Survey of Fraud in Society	3	FSC100 Forensic Science Elective	3
FOR204 Forensic Science Criminalistics II	3	FSC215 Evidence Law and Ethics	3
FOR205 Toxicology&Lab Instrumentation and Analysis	4	FSC200 Forensic Science Elective	4
FOR206 Forensic Serology	3	FSC200 Forensic Science Elective	3
FOR207 Forensic Science Capstone	3	FSC200 Forensic Science Elective	3

FORENSIC SCIENCE (FORSCI)

FORSCI-B5510 Principles of Forensics (Bridge Course)	2	FSC100 Forensic Science Elective	2
FOR5514 Forensic Firearms	3	FSC100 Forensic Science Elective	3
FORSCI-B5516 Forensic Investigations (Bridge Course)	3	FSC100 Forensic Science Elective	3
FORSCI-B5525 Forensic Photography II (Bridge Course)	3	FSC100 Forensic Science Elective	3
FORSCI-B5530 Forensic Criminalistics I (Bridge Course)	3	FSC100 Forensic Science Elective	3
FORSCI-B5531 Forensic Criminalistics II (Bridge Course)	3	FSC100 Forensic Science Elective	3
FORSCI-B5532 Intro to Lab Instrumentation (Bridge Course)	2	FSC100 Forensic Science Elective	2
FORSCI-B5534 Instrumentation Analysis (Bridge Course)	1	FSC100 Forensic Science Elective	1
FORSCI-B5535 Forensic Toxicology (Bridge Course)	3	FSC100 Forensic Science Elective	3

HEAVY EQUIPMENT OPERATION (HEO)

HEO101 Heavy Equipment Class I	3	OE 100 Open Elective	3
HEO102 Heavy Equipment Class II	3	OE 100 Open Elective	3
HEO103 Heavy Equipment Class III	3	OE 100 Open Elective	3
HEO104 Heavy Equipment Class IV	3	OE 100 Open Elective	3
HEO108 Safeland Certification	0.5	OE 100 Open Elective	0.5
HEO110 Soils for Construction	2	OE 100 Open Elective	2

HISTORY (HIST)

HIST150 U.S. History I: To 1877	3	HIS111 American Society to 1865	3
HIST151 U.S. History II: Since 1877	3	HIS112 American Society since 1865	3

HUMAN SERVICES (HSV)

HSV100 Principles of Social Work	3	OE 100 Open Elective	3
HSV110 Chemical Dependency I	3	OE 100 Open Elective	3
HSV120 Direct Practice Skills	3	OE 100 Open Elective	3
HSV130 Case Management in Human Services	3	OE 100 Open Elective	3
HSV141 Therapeutic Group Practice Skills	3	OE 100 Open Elective	3
HSV150 Social Welfare and Policy	3	OE 100 Open Elective	3
HSV200 Family Systems	3	OE 200 Open Elective	3
HSV230 Social Problems	3	OE 200 Open Elective	3
HSV235 Capstone: Generalist Human Service Practice	3	OE 200 Open Elective	3
HSV240 Social Services for an Aging Population	3	OE 200 Open Elective	3
HSV250 Chemical Dependency II	3	OE 200 Open Elective	3
HSV285 Human Services Practicum I	3	OE 200 Open Elective	3
HSV286 Human Services Practicum II	3	OE 200 Open Elective	3

INTERDISCIPLINARY STUDIES (IDS)

IDS100 Campus Connections	1	OE 100 Open Elective	1

LET-LAWENFORCE/CJT/BPA

LET100 Introduction to Criminal Justice	3	JUS110 Introduction to Criminal Justice	3
LET105 Ethics in Criminal Justice	2	PHI215 Ethics	2
LET110 Constitutional Law and Courts	3	JUS100 Criminal Justice Elective	3
LET115 Public Administration	2	JUS100 Criminal Justice Elective	2
LET120 Criminal Law and Procedure	2	JUS201 Criminal Law	2
LET125 Basic Investigations	3	JUS202 Criminal Procedures	3
LET130 Victimology	2	FOR105 Victimology	2
LET150 Introduction to Law Enforcement	3	JUS110 Introduction to Criminal Justice	3
LET160 Wellness I	1	OE 100 Open Elective	1
LET165 Wellness II	1	OE 100 Open Elective	1
LET170 Wellness III	1	OE 100 Open Elective	1
LET200 Introduction to Corrections	4	COR120 Correctional Thought and Practice	4
LET205 Drugs in the Criminal Justice System	3	JUS200 Criminal Justice Elective	3
LET210 Criminology	3	ENF293 Criminology	3
LET215 Human Diversity	3	CUL200 Cultural Studies Elective	3

Course	Credits	Equivalent	Credits
LET220 Juvenile Process	4	COR231 Juvenile Justice Systems	4
LET225 Probation and Parole	3	COR245 Probation,Parole, and Community Corrections	3
LET230 Introduction to Homeland Security	3	ENF154 Homeland Security Overview	3
LET235 Correctional Management	3	COR200 Corrections Elective	3
LET240 Contemporary Issues in Criminal Justice	2	JUS200 Criminal Justice Elective	2
LET250 Administration	1.5	OE 200 Open Elective	1.5
LET256 Investigations	3	ENF239 Applied Criminal Investigation and Criminalistics	3
LET257 Firearms	1.5	OE 200 Open Elective	1.5
LET258 Driving	1	OE 200 Open Elective	1
LET259 Subject Control	1.5	OE 200 Open Elective	1.5
LET260 First Aid	0.5	OE 200 Open Elective	0.5
LET261 Physical Conditioning I	0.5	OE 200 Open Elective	0.5
LET262 Physical Conditioning II	0.5	OE 200 Open Elective	0.5
LET265 Advanced Criminalistics	2	ENF320 Advanced Criminalistics	2
LET266 Advanced Traffic Accident Investigation	3	ENF200 Law Enforcement	3
LET267 Patrol Technologies and Advanced Tactics	3	ENF200 Law Enforcement	3
LET268 Advanced Patrol Tactics	3	ENF200 Law Enforcement	3
LET270 Counterterrorism and Intelligence	2	ENF200 Law Enforcement	2
LET271 Physical Security	3	COR200 Corrections Elective	3
LET272 Protective Operations	3	COR200 Corrections Elective	3
LET273 Tactical Crisis Resolution	3	COR200 Corrections Elective	3
LET275 Constitutional Rights of Prisoners	3	COR336 Constitutional Rights of Prisoners	3
LET276 Basic Jail Training	5	COR200 Corrections Elective	5
LET277 Human Relations	4	JUS200 Criminal Justice Elective	4
LET278 Criminal Law	2.5	JUS201 Criminal Law	2.5
LET279 Investigations	2.5	ENF239 Applied Criminal Investigation and Criminalistics	2.5
LET280 Patrol	3	JUS200 Criminal Justice Elective	3
LET281 Traffic	3	JUS200 Criminal Justice Elective	3
LET286 Criminal Justice Practicum	2	JUS200 Criminal Justice Elective	3
LET-B5233 Adult/Juvenile Corrections (Bridge Course)	3	COR231 Juvenile Justice Systems	3
LET-B5235 Constitutional Law&Evidence (Bridge Course)	3	JUS200 Criminal Justice Elective	3
LET-B5262 Government and Courts	2	POL207 The Courts	2
LET-B5266 Juvenile Process (Bridge Course)	3	COR231 Juvenile Justice Systems	3

MANUFACTURING ENGINEER (MANF)

Course	Credits	Equivalent	Credits
MANF100 Principles of Machining	2	OE 100 Open Elective	2
MANF102 Principles of Manufacturing	3	OE 100 Open Elective	3
MANF105 Metrology	2	OE 100 Open Elective	2
MANF106 Automation in Manufacturing	3	OE 100 Open Elective	3
MANF122 Machining-Turning and Milling	4	OE 100 Open Elective	4
MANF201 Materials in Manufacturing	2	OE 200 Open Elective	2
MANF202 CAD for Machining	3	OE 200 Open Elective	3
MANF203 Statistical Process Control	2	OE 200 Open Elective	2
MANF204 CNC Graphic Programming	3	OE 200 Open Elective	3
MANF222 CNC-Turning and Milling	4	OE 200 Open Elective	4
MANF271 Lean Manufacturing	3	OE 200 Open Elective	3

MATHEMATICS (MATH)

MATH040 Basic Mathematics	2	No Credit	*
MATH050 Pre-Algebra	2	No Credit	*
MATH060 Beginning Algebra	2	No Credit	*
MATH070 Intermediate Algebra	2	No Credit	*
MATH080 Foundations of College Mathematics	4	No Credit	*
MATH110 Trigonometry	3	MAT181 College Algebra	3
MATH115 Technical Mathematics	5	MAT174 Finite Math	5
MATH120 Introduction to Calculus	3	MAT101 Mathematics Elective	3
MATH130 Introduction to Statistics	3	MAT273 Applied Statistics I	3
MATH140 College Algebra	3	MAT181 College Algebra	3
MATH150 Pre-Calculus	5	MAT174 Finite Math	5
MATH200 Calculus I	5	MAT281 Calculus I	5
MATH210 Calculus II	5	MAT200 Mathematics Elective	5
MTH1204 Business Math	5	MAT200 Mathematics Elective	5

MEDICAL CODING (MCDE)

MCDE101 Medical Coding Specialist I	6	OE 100 Open Elective	6
MCDE102 Medical Coding Specialist II	6	OE 100 Open Elective	6
MCDE103 Medical Coding Specialist III	1	OE 100 Open Elective	1

MECHANICAL ENGINEER (MECH)

MECH100 3-D Modeling with AutoDesk Inventor	2	OE 100 Open Elective	2
MECH110 Mechanical Systems	3	OE 100 Open Elective	3
MECH162 Instrumentation and Measurement	3	OE 100 Open Elective	3
MECH200 Alternative and Renewable Energy Sources	3	OE 200 Open Elective	3
MECH201 Fluid Mechanics	2	OE 200 Open Elective	2
MECH202 Thermodynamics	2	OE 200 Open Elective	2
MECH222 Energy Efficiency Methods	3	OE 200 Open Elective	3
MECH230 Hydraulics and Pneumatics	3	OE 200 Open Elective	3

PRACTICAL NURSING (NPN)

NPN101 Introduction to Practical Nursing	2	OE 100 Open Elective	2
NPN102 Introduction to Pharmacology	2	OE 100 Open Elective	2
NPN107 Maternal/Child Nursing for the Practical Nurse	4.5	OE 100 Open Elective	4.5
NPN110 Fundamentals of Practical Nursing	5	OE 100 Open Elective	5
NPN111 Health Alterations I for the Practical Nurse	7	OE 100 Open Elective	7
NPN112 Health Alterations II for the Practical Nurse	6.5	OE 100 Open Elective	6.5
NPN113 Transition to Prac for the Practic Nursing Student	2	OE 100 Open Elective	2
NPN114 Maternal/Child Nursing for the Practical Nurse	4.5	OE 100 Open Elective	4.5

NURSING (NURS)

NURS001 Basic Health Care Skills	3.5	OE 100 Open Elective	3.5
NURS101 Introduction to Professional Nursing	2	OE 100 Open Elective	2
NURS107 Introduction to Pharmacology	2.5	OE 100 Open Elective	2.5
NURS108 Fundamentals of Nursing	6	OE 100 Open Elective	6
NURS111 Introduction to Adult Health	9	OE 100 Open Elective	9

NURS115 Introduction to Professional Nursing	1	OE 100 Open Elective	1
NURS116 Introduction to Adult Health	7	OE 100 Open Elective	7
NURS200 LPN to RN Transition	3	OE 200 Open Elective	3
NURS201 Advanced Adult Health	7	OE 200 Open Elective	7
NURS202 Family Centered Care	6	OE 200 Open Elective	6
NURS207 Nursing Concepts Synthesis	2.5	OE 200 Open Elective	2.5
NURS208 Management of Care	6.5	OE 200 Open Elective	6.5
NURS209 Management of Care-Preceptorship	6.5	OE 200 Open Elective	6.5
NURS210 LPN to RN Transition	1.5	OE 200 Open Elective	1.5
NURS211 Family Centered Care I	3	OE 200 Open Elective	3
NURS212 Family Centered Care II	3	OE 200 Open Elective	3
NURS213 Management of Care	6.5	OE 200 Open Elective	6.5
NURS214 Management of Care- Preceptorship	6.5	OE 200 Open Elective	6.5

PHILOSOPHY (PHIL)

PHIL100 Critical Thinking	3	PHI100 Philosophy Elective	3
PHIL150 Introduction to Philosophy	3	PHI110 Art of Reasoning	3
PHIL200 Introduction to Ethics	3	PHI215 Ethics	3

PHARMACOLOGY (PHRM)

PHRM110 Pharmacy Technology I	7	OE 100 Open Elective	7
PHRM111 Pharmacy Technology II	9	OE 100 Open Elective	9

PHYSICS (PHYS)

PHYS100 General Physics	4	PHY100 Physics Elective	4
PHYS101 Physics I	4	PHY211 General Physics I + PHY211L	3+1
PHYS111 Physics II	4	PHY212 Physics II + PHY212L	3+1
PHYS115 Technical Physics	4	PHY100 Physics Elective	4

PSYCHOLOGY (PSY)

PSY100 Introduction to Psychology	3	PSY101 Introduction to Psychology	3
PSY200 Abnormal Psychology	3	PSY362 Abnormal Behavior	3
PSY210 Developmental Psychology	3	PSY200 Psychology Elective	3
PSY220 Social Psychology	3	SOC250 Social Psychology	3
PSY230 Organizational Psychology	3	PSY325 Intro to the Industrial/Organizational Psychology	3

RADIOLOGIC SCIENCE (RAD)

RAD101 Imaging Procedures I	3	OE 100 Open Elective	3
RAD103 Imaging Procedures II	3	OE 100 Open Elective	3
RAD130 Radiation Physics I	1.5	OE 100 Open Elective	1.5
RAD131 Radiation Physics II	1.5	OE 100 Open Elective	1.5
RAD132 Radiobiology and Radiation Protection	2	OE 100 Open Elective	2
RAD133 Image Acquisition	4	OE 100 Open Elective	4
RAD154 Medical Imaging Seminar I	1	OE 100 Open Elective	1
RAD164 Patient Care and Management I	0.5	OE 100 Open Elective	0.5
RAD165 Patient Care and Management II	1	OE 100 Open Elective	1
RAD166 Patient Care and Management III	1	OE 100 Open Elective	1

RAD184 Orientation to Clinical Environment	0.5	OE 100 Open Elective	0.5
RAD185 Clinical Education in Radiology I	1	OE 100 Open Elective	1
RAD187 Clinical Education in Radiology III	2	OE 100 Open Elective	2
RAD188 Clinical Education in Radiology I	1.5	OE 100 Open Elective	1.5
RAD210 Radiologic Pathology I	1.5	OE 200 Open Elective	1.5
RAD211 Radiologic Pathology II	1.5	OE 200 Open Elective	1.5
RAD226 Department Administration	1.5	OE 200 Open Elective	1.5
RAD233 Quality Assurance and Image Production	3	OE 200 Open Elective	3
RAD246 Current Issues and Ethics in Medical Imaging	1.5	OE 200 Open Elective	1.5
RAD254 Medical Imaging Seminar II	1.5	OE 200 Open Elective	1.5
RAD267 Patient Care and Management IV	1	OE 200 Open Elective	1
RAD279 Mammography and Breast Health	3	OE 200 Open Elective	3
RAD280 Clinical Education in Specialty Disciplines	1	OE 200 Open Elective	1
RAD285 Clinical Education in Radiology IV	4	OE 200 Open Elective	4
RAD288 Clinical Education in Radiology V	2	OE 200 Open Elective	2
RAD290 Specialty Disciplines in Radiology	0.5	OE 200 Open Elective	0.5
RAD294 Interventional and Surgical Radiology	2.5	OE 200 Open Elective	2.5
RAD295 CT Instrumentation	2.5	OE 200 Open Elective	2.5
RAD296 MR Instrumentation	2.5	OE 200 Open Elective	2.5

SOCIOLOGY (SOC)

SOC100 Introduction to Sociology	3	SOC101 Principles of Sociology	3
SOC110 Cultural Diversity	3	CUL210 Comparative Cultures	3
SOC235 Social Problems	3	SOC200 Sociology Elective	3

SPANISH (SPAN)

SPAN101 Spanish I	3	SPA101 Elementary Spanish I	3
SPAN102 Spanish II	3	SPA102 Elementary Spanish II	3
SPAN103 Spanish III	3	SPA201 Intermediate Spanish I	3
SPAN104 Spanish IV	3	SPA202 Advanced Spanish Language&Literature:The Novel	3

SPEECH (SPCH)

SPCH100 Fundamentals of Communication	3	COM100 Communication Elective	3
SPCH205 Public Speaking	3	COM130 Oral Communication and Presentation	3
SPCH210 Small Group Communication	3	COM200 Communication Elective	3

SURGICAL TECHNOLOGY (SURG)

SURG135 Pharmacology for Surgical Assisting	1	OE 100 Open Elective	
SURG139 Basic Surgical Technology	5	OE 100 Open Elective	
SURG141 Surgical Procedures I	4	OE 100 Open Elective	
SURG143 Surgical Procedures II	3	OE 100 Open Elective	
SURG184 Basic Surgical Technology Lab	3	OE 100 Open Elective	
SURG186 Surgical Procedures I Clinical	3	OE 100 Open Elective	
SURG188 Surgical Procedures II Clinical	3	OE 100 Open Elective	
SURG231 Adv Surgical and Specialty Surgical Practice	3	OE 200 Open Elective	
SURG233 Prof Trends&Issues in Surgical Tech Seminar	3	OE 200 Open Elective	
SURG284 Adv Surg & Specialty Surgical Practice Clinical	3	OE 200 Open Elective	