

BASED ON THE 2018-2019 DANVILLE COMMUNITY COLLEGE CATALOG AND THE

2018-2019 TIFFIN UNIVERSITY ACADEMIC BULLETIN

Danville Community College Course Equivalence

DANVILLE COMMUNITY COLLEGE		TIFFIN UNIVERSITY	
	Sem. Hrs.		Sem. Hrs.
ACCOUNTING (ACC)			
ACC105 Office Accounting	3	ACC100 Accounting Elective	3
ACC110 Introduction to Computerized Accounting	2	ACC100 Accounting Elective	2
ACC111 Accounting I	3	ACC100 Accounting Elective	3
ACC112 Accounting II	3	ACC100 Accounting Elective	3
ACC211 Principles of Accounting I	3	ACC100 Accounting Elective	3
ACC212 Principles of Accounting II	3	ACC100 Accounting Elective	3
ACC220 Accounting for Small Business	3	ACC201 Survey of Accounting	3
ACC221 Intermediate Accounting I	4	ACC210 Analysis of the Accounting Process	3
ACC222 Intermediate Accounting II	4	ACC200 Accounting Elective	3
ACC231 Cost Accounting I	3	ACC200 Accounting Elective	3
ACC241 Auditing I	3	ACC200 Accounting Elective	3
ACC261 Principles of Federal Taxation I	3	ACC200 Accounting Elective	3
ACC262 Principles of Federal Taxation II	3	ACC200 Accounting Elective	3
ADMINISTRATION OF JUSTICE (ADJ)			
ADJ100 Survey of Criminal Justice	3	JUS110 Introduction to Criminal Justice	3
ADJ116 Special Enforcement Topics	3	JUS100 Criminal Justice Elective	3
ADJ118 Crisis Intervention and Critical Issues	3	JUS100 Criminal Justice Elective	3
ADJ130 Introduction to Criminal Law	3	JUS201 Criminal Law	3
ADJ131 Legal Evidence	3	JUS100 Criminal Justice Elective	3
ADJ140 Introduction to Corrections	3	COR120 Correctional Thought and Practice	3
ADJ145 Corrections and the Community	3	COR100 Corrections Elective	3
ADJ150 Introduction to Security Administration	3	JUS100 Criminal Justice Elective	3
ADJ161 Introduction to Computer Crime	3	CDS100 Cyber Defense Elective	3
ADJ171 Forensic Science I	4	FSC115 Introduction to Forensic Science	3
ADJ215 Report Writing	3	ENG245 Technical Writing	3
ADJ227 Constitutional Law for Justice Personnel	3	JUS200 Criminal Justice Elective	3
ADJ234 Terrorism and Counter-Terrorism	3	ENF212 Concepts of Terrorism	3
ADJ236 Principles of Criminal Investigation	3	ENF239 Applied Criminal Investigation and Criminalistics	3
ADJ257 Loss Prevention	3	JUS200 Criminal Justice Elective	3
ADJ296 On-Site Training	1-5	JUS200 Criminal Justice Elective	1-5
AIR CONDITIONING AND REGRIGERATION (AIR)			
AIR111-112 Air Conditioning and Refrigeration Controls I-II	3	OE 100 Open Elective	3
AIR117 Metal Layout I	3	OE 100 Open Elective	3
AIR118 Metal Layout II	3	OE 100 Open Elective	3
AIR121 Air Conditioning and Refrigeration I	3	OE 100 Open Elective	3
AIR122 Air Conditioning and Refrigeration II	3	OE 100 Open Elective	3
AIR123-124 Air Conditioning and Refrigeration III-IV	3	OE 100 Open Elective	3
AIR134 Circuits and Controls I	3	OE 100 Open Elective	3
AIR135 Circuits and Controls II	3	OE 100 Open Elective	3
AIR136 Circuits and Controls III	3	OE 100 Open Elective	3
AIR137 Air Conditioning Electronics Survey	2	OE 100 Open Elective	2
AIR154 Heating Systems I	3	OE 100 Open Elective	3

AIR155 Heating Systems II	3	OE 100 Open Elective	3
AIR156 Heating Systems III	3	OE 100 Open Elective	3
AIR158 Mechanical Codes	2	OE 100 Open Elective	2
AIR161 Heating Air Conditioning and Refrigeration Calculations I	3	OE 100 Open Elective	3
AIR165 Air Conditioning Systems I	3	OE 100 Open Elective	3
AIR166 Air Conditioning Systems II	3	OE 100 Open Elective	3
AIR167 Air Conditioning Systems III	4	OE 100 Open Elective	4
AIR231 Circuits and Controls IV	4	OE 200 Open Elective	4
AIR232 Circuits and Controls V	3	OE 200 Open Elective	3
AIR254 Air Conditioning Systems IV	3	OE 200 Open Elective	3
AIR255 Air Conditioning Systems V	3	OE 200 Open Elective	3
AIR273 Refrigeration III	3	OE 200 Open Elective	3
AIR276 Refrigerant Usage EPA Certification	1	OE 200 Open Elective	1
AIR295 Topics In	1-5	OE 200 Open Elective	1-5
ARCHITECTURE (ARC)			
ARC121 Architectural Drafting I	3	OE 100 Open Elective	3
ARTS (ART)			
ART95 Topics In	1-5	No Credit	*
ART101-102 History and Appreciation of Art I-II	3	ART210 Art Appreciation	3
ART105 Art in World Culture	3	ART100 Art Elective	3
ART116 Design for the Web I	3	ART100 Art Elective	3
ART121 Drawing I	3	ART100 Art Elective	3
ART122 Drawing II	3	ART100 Art Elective	3
ART130 Introduction to Multimedia	4	ART100 Art Elective	4
ART131-132 Fundamentals of Design I-II	3	ART100 Art Elective	3
ART153 Ceramics I	3	ART100 Art Elective	3
ART180 Introduction to Computer Graphics	3	ART100 Art Elective	3
ART193 Studies In	1-5	ART100 Art Elective	1-5
ART201 History of Art I	3	ART200 Art Elective	3
ART202 History of Art II	3	ART200 Art Elective	3
ART208 Video Techniques	4	ART200 Art Elective	4
ART231 Sculpture I	3	ART200 Art Elective	3
ART241 Painting I	3	ART200 Art Elective	3
ART242 Painting II	3	ART200 Art Elective	3
ART243 Watercolor I	3	ART200 Art Elective	3
ART244 Watercolor II	3	ART200 Art Elective	3
ART248 Painting III	3	ART200 Art Elective	3
ART266 Package Design	3	ART200 Art Elective	3
ART281 Illustration for Designers	3	ART200 Art Elective	3
ART283 Computer Graphics I	4	ART200 Art Elective	4
ART287 Portfolio and Resume Preparation	3	ART200 Art Elective	3
ART295 Topics In	1-5	ART200 Art Elective	1-5
ART298 Seminar and Project	1-5	ART200 Art Elective	1-5
AMERICAN SIGN LANGUAGE (ASL)			
ASL101-102 American Sign Language I-II	3	OE 100 Open Elective	3
ASL115 Fingerspelling and Number Use in ASL	2	OE 100 Open Elective	2
ASL125 History & Culture of the Deaf Community I	3	OE 100 Open Elective	3
ASL201-202 American Sign Language III-IV	3	OE 200 Open Elective	3

ADMINISTRATIVE SUPPORT TECHNOLOGY (AST)			
AST55 Certification Preparation	1	OE 100 Open Elective	1
AST101 Keyboarding I	2	OE 100 Open Elective	2
AST102 Keyboarding II	2	OE 100 Open Elective	2
AST103 Keyboarding I Laboratory	1	OE 100 Open Elective	1
AST104 Keyboarding II Laboratory	1	OE 100 Open Elective	1
AST113 Keyboarding for Speed and Accuracy	1	OE 100 Open Elective	1
AST114 Keyboarding for Information Processing	2	OE 100 Open Elective	2
AST115 Keyboarding for Information Processing Laboratory	1	OE 100 Open Elective	1
AST117 Keyboarding for Computer Usage	1	OE 100 Open Elective	1
AST201 Keyboarding III	2	OE 200 Open Elective	2
AST202 Keyboarding III Laboratory	1	OE 200 Open Elective	1
AST205 Business Communications	3	OE 200 Open Elective	3
AST234 Records and Database Management	3	OE 200 Open Elective	3
AST238 Word Processing Advanced Operations	2	OE 200 Open Elective	2
AST239 Word Processing Advanced Operations Laboratory	1	OE 200 Open Elective	1
AST243 Office Administration I	3	OE 200 Open Elective	3
AST244 Office Administration II	3	OE 200 Open Elective	3
AST253 Advanced Desktop Publishing I	2	OE 200 Open Elective	2
AST255 Desktop Publish I Lab	1	OE 200 Open Elective	1
AUTO BODY (AUB)			
AUB111-112 Automobile Body Theory and Shop Practices I-II	8	OE 100 Open Elective	8
AUB113 Automobile Body Theory and Shop Practice III	6	OE 100 Open Elective	6
AUB115 Damage Repair Estimating	2	OE 100 Open Elective	2
AUB116 Automotive Body Repair	4	OE 100 Open Elective	4
AUB130 Automotive Customizing	3	OE 100 Open Elective	3
AUB190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
AUB198 Seminar and Project	1-5	OE 100 Open Elective	1-5
AUB206 Automotive Body Component Service	2	OE 200 Open Elective	2
AUB290 Coordinated Internship	1-5	OE 200 Open Elective	1-5
AUB298 Seminar and Project	1-5	OE 200 Open Elective	1-5
AUTOMOTIVE (AUT)			
AUT111-112 Automotive Engines I-II	4	OE 100 Open Elective	4
AUT121-122 Automotive Fuel Systems I-II	4	OE 100 Open Elective	4
AUT127 Automotive Lubrication and Colling Systems	3	OE 100 Open Elective	3
AUT130 Introduction to Auto Mechanics	3	OE 100 Open Elective	3
AUT136 Automotive Vehicle Inspection	2	OE 100 Open Elective	2
AUT178 Automotive Final Drive and Manual Transmission Systems	4	OE 100 Open Elective	4
AUT211-212 Automotive Systems III-IV	4	OE 200 Open Elective	4
AUT230 Introduction to Alternative Fuels and Hybrid Vehicles	3	OE 200 Open Elective	3
AUT236 Automotive Climate Control	4	OE 200 Open Elective	4
AUT237 Automotive Accessories	2	OE 200 Open Elective	2
AUT241-242 Automotive Electricity I-II	4	OE 200 Open Elective	4
AUT251 Automatic Transmissions I	4	OE 200 Open Elective	4
AUT265 Automotive Braking Systems	3	OE 200 Open Elective	3
AUT266 Auto Alignment, Suspension and Steering	4	OE 200 Open Elective	4
BIOLOGY (BIO)			

BIO1 Foundations of Biology	1-4	No Credit	*
BIO100 Basic Human Biology	3	BIO100 Biology Elective	3
BIO101 General Biology I	4	BIO210 General Biology I	4
BIO102 General Biology II	4	BIO211 General Biology II	4
BIO107 Biology of the Environment	4	BIO100 Biology Elective	4
BIO141-142 Human Anatomy and Physiology I-II	4	NAT150 Introduction to Anatomy & Physiology	4
BIO150 Introductory Microbiology	4	BIO100 Biology Elective	4
BIO205 General Microbiology	4	BIO200 Biology Elective	4
BIO231-232 Human Anatomy and Physiology I-II	4	BIO200 Biology Elective	4
BIO256 General Genetics	4	BIO200 Biology Elective	4
BIO270 General Ecology	4	BIO200 Biology Elective	4
<i>BUILDING (BLD)</i>			
BLD20 Introduction to Plumbing	2	No Credit	*
BLD103 Principles of Residential Building Construction Inspection	3	OE 100 Open Elective	3
BLD105 Shop Practices and Procedures	2	OE 100 Open Elective	2
BLD110 Introduction to Construction	3	OE 100 Open Elective	3
BLD111 Blueprint Reading and the Building Code	3	OE 100 Open Elective	3
BLD120 Applied Construction Mathematics	3	OE 100 Open Elective	3
BLD126 Basic Carpentry Principles	3	OE 100 Open Elective	3
BLD131-132 Carpentry Framing I-II	5	OE 100 Open Elective	5
BLD133-134 Carpentry Framing III-IV	5	OE 100 Open Elective	5
BLD146 Form Work and Concrete Theory	3	OE 100 Open Elective	3
BLD147 Principles of Block and Bricklaying	3	OE 100 Open Elective	3
BLD181 Introduction to Concrete Construction	3	OE 100 Open Elective	3
BLD184 Interior and Exterior Finishes	3	OE 100 Open Elective	3
BLD195 Topics In	1-5	OE 100 Open Elective	1-5
BLD196 On-Site Training	1-5	OE 100 Open Elective	1-5
BLD295 Topics In	1-5	OE 200 Open Elective	1-5
<i>BUSINESS MANAGEMENT AND ADMINISTRATION (BUS)</i>			
BUS100 Introduction to Business	3	MGT121 How Business Works	3
BUS108 Business Etiquette	1	OE 100 Open Elective	1
BUS121 Business Mathematics I	3	MAT101 Mathematics Elective	3
BUS122 Business Mathematics II	3	MAT101 Mathematics Elective	3
BUS134 Manufacturing Economics	1	OE 100 Open Elective	1
BUS147 Introduction to Business Information Systems	3	CIS100 Computer Information Systems Elective	3
BUS149 Workplace Ethics	1	OE 100 Open Elective	1
BUS165 Small Business Management	3	MGT100 Management Elective	3
BUS199 Supervised Study	1-3	MGT100 Management Elective	1-3
BUS200 Principles of Management	3	MGT201 Management of Organizations	3
BUS204 Project Management	3	MGT200 Management Elective	3
BUS205 Human Resource Management	3	MGT200 Management Elective	3
BUS206 Advanced Project Management	4	MGT200 Management Elective	4
BUS209 Continuous Quality Improvement	3	MGT200 Management Elective	3
BUS220 Introduction to Business Statistics	3	MAT200 Mathematics Elective	3
BUS221 Business Statistics I	3	MAT273 Applied Statistics I	3
BUS223 Distribution and Transportation	3	MGT200 Management Elective	3
BUS227 Quantities Methods	3	MAT185 Quantitative Reasoning	3
BUS235 Business Letter Writing	3	COM200 Communication Elective	3
BUS236 Communication in Management	3	COM200 Communication Elective	3

BUS240 Introduction to Business Law	3	LAW211 Business Law I	3
BUS255 Inventory and Warehouse Management	3	MGT200 Management Elective	3
BUS295 Topics In	1-5	MGT200 Management Elective	1-5
BUS297 Cooperative Education	1-6	MGT200 Management Elective	1-6
BUS298 Seminar and Project	3	MGT200 Management Elective	3
BUS299 Supervised Study	1-5	MGT200 Management Elective	1-5
COMPUTER AIDED DRAFTING AND DESIGN (CAD)			
CAD116 Drafting III	3	OE 100 Open Elective	3
CAD120 Introduction to Graphic Representation	3	OE 100 Open Elective	3
CAD199 Supervised Study In (discipline)	1-5	OE 100 Open Elective	1-5
CAD201 Computer Aided Drafting and Design I	3	OE 200 Open Elective	3
CAD202 Computer Aided Drafting and Design II	3	OE 200 Open Elective	3
CAD210 Advanced Technical Drafting	4	OE 200 Open Elective	4
CAD233 Computer Aided Drafting III	3	OE 200 Open Elective	3
CAD298 Seminar and Project in (discipline)	2	OE 200 Open Elective	2
CHILDHOOD DEVELOPMENT (CHD)			
CHD118 Language Arts for Young Children	3	OE 100 Open Elective	3
CHD119 Introduction to Reading Methods	3	OE 100 Open Elective	3
CHD120 Introduction to Early Childhood Education	3	OE 100 Open Elective	3
CHD145 Teaching Art, Music, and Movement to Children	3	OE 100 Open Elective	3
CHD146 Math, Science and Social Studies for Children	3	OE 100 Open Elective	3
CHD165 Observation& Participating in Early Childhd/Prim Settings	3	OE 100 Open Elective	3
CHD166 Infant and Toddler Programs	3	OE 100 Open Elective	3
CHD167 CDA Theories and Applications: Resource File	3	OE 100 Open Elective	3
CHD205 Guiding the Behavior of Children	3	OE 200 Open Elective	3
CHD210 Introduction to Exceptional Children	3	OE 200 Open Elective	3
CHD215 Models of Early Childhood Education Programs	3	OE 200 Open Elective	3
CHD216 Early Childhood Programs, School and Social Changes	3	OE 200 Open Elective	3
CHD265 Adv Observation & Part in Early Childhd/Primary Settings	3	OE 200 Open Elective	3
CHD270 Administration of Childcare Programs	3	OE 200 Open Elective	3
CHD238 Seminar and Project	1-5	OE 200 Open Elective	1-5
CHEMISTRY (CHM)			
CHM101-102 General Chemistry I-II	4	CHM131 General Chemistry I	4
CHM111-112 College Chemistry I-II	4	CHM132 General Chemistry II	4
CHM241 Organic Chemistry I	3	CHM200 Chemistry Elective	3
CHM242 Organic Chemistry II	3	CHM200 Chemistry Elective	3
CHM243 Organic Chemistry Laboratory I	1	OE 200 Open Elective	1
CHM244 Organic Chemistry Laboratory II	1	OE 200 Open Elective	1
CIVIL ENGINEERING TECHNOLOGY (CIV)			
CIV171 Surveying I	3	OE 100 Open Elective	3
COSMETOLOGY (COS)			
COS81 Cosmetology Theory I	4	No Credit	*
COS82 Cosmetology Theory II	5	No Credit	*
COS190 Coordinated Internship	4	OE 100 Open Elective	4
COS196 On-Site Training	4	OE 100 Open Elective	4
COS198 Seminar and Project	3	OE 100 Open Elective	3

COS290 Coordinated Internship	4	OE 200 Open Elective	4
COS296 On-Site Training	1-5	OE 200 Open Elective	1-5
COMPUTER SCIENCE (CSC)			
CSC200 Introduction to Computer Science	4	ITS106 Introduction to Computer Science	4
CSC201 Computer Science I	4	ITS200 Information Technology Elective	4
CSC202 Computer Science II	4	ITS200 Information Technology Elective	4
CSC205 Computer Organization	4	ITS200 Information Technology Elective	4
COMMUNICATIONS STUDIES AND THEATRE (CST)			
CST100 Principles of Public Speaking	3	COM130 Introduction to Speech Communication	3
CST110 Introduction to Communication	3	COM100 Communication Elective	3
CST126 Interpersonal Communication	3	COM100 Communication Elective	3
CST130 Introduction to the Theatre	3	THR100 Theatre Elective	3
CST131 Acting I	3	THR100 Theatre Elective	3
CST132 Acting II	3	THR100 Theatre Elective	3
CST136 Theatre/Musical Workshop	1-6	THR100 Theatre Elective	1-6
CST151 Film Appreciation I	3	THR100 Theatre Elective	3
CST152 Film Appreciation II	3	THR100 Theatre Elective	3
CST231 History of Theatre I	3	THR200 Theatre Elective	3
DENTAL ASSISTING (DNA)			
DNA100 Introduction to Oral Health Professions	1	OE 100 Open Elective	1
DNA103 Introduction to Oral Health	1	OE 100 Open Elective	1
DNA109 Practical Infection Control	3	OE 100 Open Elective	3
DNA110 Dental Materials	3	OE 100 Open Elective	3
DNA113 Chairside Assisting I	3	OE 100 Open Elective	3
DNA134 Dental Radiology and Practicum	3	OE 100 Open Elective	3
DNA190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
DNETAL HYGIENE (DNH)			
DNH111 Oral Anatomy	2	OE 100 Open Elective	2
DNH115 History/Head and Neck Anatomy	3	OE 100 Open Elective	3
DNH120 Management of Emergencies	2	OE 100 Open Elective	2
DNH130 Oral Radiography for the Dental Hygienist	3	OE 100 Open Elective	3
DNH141 Dental Hygiene I	5	OE 100 Open Elective	5
DNH142 Dental Hygiene II	5	OE 100 Open Elective	5
DNH143 Dental Hygiene III	3	OE 100 Open Elective	3
DNH145 General and Oral Pathology	2	OE 100 Open Elective	2
DNH146 Periodontics for the Dental Hygienist	2	OE 100 Open Elective	2
DNH150 Nutrition	2	OE 100 Open Elective	2
DNH190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
DNH214 Practical Materials for Dental Hygiene	2	OE 200 Open Elective	2
DNH216 Pharmacology	2	OE 200 Open Elective	2
DNH226 Public Health Dental Hygiene I	2	OE 200 Open Elective	2
DNH227 Public Health Dental Hygiene II	1	OE 200 Open Elective	1
DNH230 Office Practice and Ethics	1	OE 200 Open Elective	1
DNH235 Mgt of Dental Pain and Society in the Dental Office	2	OE 200 Open Elective	2
DNH244 Dental Hygiene IV	5	OE 200 Open Elective	5
DNH245 Dental Hygiene V	5	OE 200 Open Elective	5

DRAFTING (DRF)			
DRF114-115 Drafting I-II	3	OE 100 Open Elective	3
DRF160 Machine Blueprint Reading	3	OE 100 Open Elective	3
LIGHT DIESEL MECHANICS (DSL)			
DSL121 Diesel Engines I	5	OE 100 Open Elective	5
DSL122 Diesel Engines II	5	OE 100 Open Elective	5
DSL133 Diesel Fuel and Injection System	5	OE 100 Open Elective	5
DSL135 Introduction to Diesel Technology	3	OE 100 Open Elective	3
DSL143 Diesel Truck Electrical Systems	4	OE 100 Open Elective	4
DSL150 Mobile Hydraulics and Pneumatics	3	OE 100 Open Elective	3
ECONOMICS (ECO)			
ECO100 Elementary Economics	3	ECO100 Economics Elective	3
ECO120 Survey of Economics	3	ECO100 Economics Elective	3
ECO201 Principles of Macroeconomics	3	ECO221 Principles of Macroeconomics	3
ECO202 Principles of Microeconomics	3	ECO222 Principles of Microeconomics	3
EDUCATION (EDU)			
EDU200 Introduction to Teaching as a Profession	3	OE 200 Open Elective	3
EDU235 Health, Safety, and Nutrition Education	3	OE 200 Open Elective	3
ENGINEERING (EGR)			
EGR115 Engineering Graphics	2	OE 100 Open Elective	2
EGR120 Introduction to Engineering	2	OE 100 Open Elective	2
EGR126 Computer Programming for Engineers	3	OE 100 Open Elective	3
EGR140 Engineering Mechanics - Statics	3	OE 100 Open Elective	3
EGR235 Material and Energy Balances	3	OE 200 Open Elective	3
EGR245 Engineering Mechanics-Dynamics	3	OE 200 Open Elective	3
EGR246 Mechanics of Materials	3	OE 200 Open Elective	3
EGR248 Thermodynamics for Engineering	3	OE 200 Open Elective	3
ELECTRICAL TECHNOLOGY (ELE)			
ELE110 Home Electric Power	3	OE 100 Open Elective	3
ELE113-114 Electricity I-II	3	OE 100 Open Elective	3
ELE115 Basic Electricity	3	OE 100 Open Elective	3
ELE123-124 Electrical Applications I-II	2	OE 100 Open Elective	2
ELE131-132 National Electrical Code I-II	3	OE 100 Open Elective	3
ELE133-134 Practical Electricity I-II	3	OE 100 Open Elective	3
ELE143 Programmable Controllers I	4	OE 100 Open Elective	4
ELE147 Electrical Power and Control Systems	3	OE 100 Open Elective	3
ELE152 Electrical-Electronic Calculations I	3	OE 100 Open Elective	3
ELE153 Electrical-Electronic Calculations II	3	OE 100 Open Elective	3
ELE154 Electrical-Electronic Calculations III	3	OE 100 Open Elective	3
ELE156 Electrical Control Systems	3	OE 100 Open Elective	3
ELE158 Surface Mount Soldering	1	OE 100 Open Elective	1
ELE190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
ELE199 Supervised Study	1-5	OE 100 Open Elective	1-5
ELE216 Industrial Electricity	3	OE 200 Open Elective	3
ELE217 Electric Power Utilities	2	OE 200 Open Elective	2
ELE233 Programmable Logic Controller Systems I	3	OE 200 Open Elective	3

ELE237 Human Machine Interface Systems	2	OE 200 Open Elective	2
ELE239 Programmable Controllers	3	OE 200 Open Elective	3
ELE240 Advanced Programmable Logic Controllers	3	OE 200 Open Elective	3
ELE248 Microcontroller Interfacing and Programming	3	OE 200 Open Elective	3
EMERGENCY MEDICAL SERVICE (EMS)			
EMS100 CPR for Healthcare Providers	1	OE 100 Open Elective	1
EMS112 Emergency Medical Technician- Basic I	4	OE 100 Open Elective	4
EMS113 Emergency Medical Technician-Basic II	3	OE 100 Open Elective	3
EMS120 Emergency Medical Technician-Basic Clinical	1	OE 100 Open Elective	1
ENERGY TECHNOLOGY (ENE)			
ENE100 Conventional and Alternate Energy Applications	4	OE 100 Open Elective	4
ENE105 Solar Thermal Active and Passive Technology	4	OE 100 Open Elective	4
ENE110 Solar Power Installations	4	OE 100 Open Elective	4
ENE195 Topics In	1-5	OE 100 Open Elective	1-5
ENGLISH FUNDAMENTALS (ENF)			
ENF1 Preparing for College English I	8	No Credit	*
ENF2 Preparing for College English II	4	No Credit	*
ENF3 Preparing for College English III	2	No Credit	*
ENGLISH (ENG)			
ENG111 College Composition 1	3	ENG141 Rhetoric and Introductory Research Writing	3
ENG112 College Composition II	3	ENG142 Rhetoric and Academic Writing	3
ENG115 Technical Writing	3	ENG245 Technical Writing	3
ENG123 Writing for the World Wide Web	3	ENG101 English Elective	3
ENG131 Technical Report Writing I	3	ENG245 Technical Writing	3
ENG134 Grammar for Writing and Speaking	3	ENG101 English Elective	3
ENG135 Applied Grammar	3	ENG223 Advanced Grammar	3
ENG210 Advanced Composition	3	ENG201 Introduction to Literature	3
ENG211 Creative Writing I	3	ENG251 Creative Writing I	3
ENG212 Creative Writing II	3	ENG252 Creative Writing II: Short Story	3
ENG241, ENG242 Survey of American Literature I-II	3	ENG200 English Elective	3
ENG243, ENG244 Survey of English Literature I-II	3	ENG200 English Elective	3
ENG250 Children's Literature	3	ENG200 English Elective	3
ENG251 Survey of World Literature I	3	ENG200 English Elective	3
ENG252 Survey of World Literature II	3	ENG200 English Elective	3
ENG253 Survey of African-American Literature I	3	ENG200 English Elective	3
ENG254 Survey of African-American Literature II	3	ENG200 English Elective	3
ENG256 Literature of Science Fiction	3	ENG200 English Elective	3
ENG268 The Modern Drama	3	ENG200 English Elective	3
ENVIRONMENTAL SCIENCE (ENV)			
ENV170 Fundamentals of Energy Technology	2	OE 100 Open Elective	2
ELECTRONICS TECHNOLOGY (ETR)			
ETR115 D.C. and A.C. Circuits	3	OE 100 Open Elective	3
ETR123-124 Electronic Applications I-II	2	OE 100 Open Elective	2
ETR136 General Industrial Electronic Systems	3	OE 100 Open Elective	3
ETR141-142 Electronics I-II	3	OE 100 Open Elective	3

ETR149 PC Repair	3	OE 100 Open Elective	3
ETR150 Machine Control Using Relay & Programmable Logic	3	OE 100 Open Elective	3
ETR151-152 Electronic Circuits and Troubleshooting I-II	2	OE 100 Open Elective	2
ETR177 Industrial Robotics and Robotics Programming	3	OE 100 Open Elective	3
ETR190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
ETR241-242 Electronic Communications I-II	3	OE 200 Open Elective	3
ETR243 Digital, Analog and Data Communications Systems I	4	OE 200 Open Elective	4
ETR246 Electronic Motor Drivers Systems	3	OE 200 Open Elective	3
ETR255 Active Devices and Circuits	3	OE 200 Open Elective	3
ETR282-283 Digital Systems I-II	3	OE 200 Open Elective	3
ETR286 Principles and Applications of Robotics	3	OE 200 Open Elective	3
ETR290 Coordinated Internship	1-5	OE 200 Open Elective	1-5
ETR295 Topics In	1-5	OE 200 Open Elective	1-5
FINANCIAL SERVICES (FIN)			
FIN215 Financial Management	3	FIN200 Finance Elective	3
GEOGRAPHY (GEO)			
GEO210 People and the Land: Introduction to Cultural Geography	3	CUL200 Cultural Studies Elective	3
GEO220 World Regional Geography	3	CUL200 Cultural Studies Elective	3
GEOLOGY (GOL)			
GOL105 Physical Geology	4	NAT100 Natural Science Elective	4
GOL106 Historical Geology	4	CUL100 Cultural Studies Elective	4
HEALTH INFORMATION MANAGEMENT (HIM)			
HIM105 Current Procedural Terminology	2	OE 100 Open Elective	2
HIM106 International Classification of Diseases I	2	OE 100 Open Elective	2
HIM107 International Classification of Diseases II	3	OE 100 Open Elective	3
HIM130 Healthcare Information Systems	3	OE 100 Open Elective	3
HIM143 Managing Electronic Billing in a Medical Practice	3	OE 100 Open Elective	3
HIM226 Legal Aspects of Health Record Document	2	OE 200 Open Elective	2
HIM253 Health Records Coding	3	OE 200 Open Elective	3
HISTORY (HIS)			
HIS101, HIS102 History of Western Civilization I-II	3	HIS137 Civilizations of the World & HIS100 History Elective	3 each
HIS111, HIS112 History of World Civilization I-II	3	HIS100 History Elective	3 each
HIS121, HIS122 United States History I-II	3	HIS111 American Society to 1865 & HIS112 American Society since 1865	3 each
HIS266 Military History of the Civil War	3	HIS200 History Elective	3
HIS268 The American Constitution	3	HIS200 History Elective	3
HEALTH (HLT)			
HLT100 First Aid and Cardiopulmonary Resuscitation	3	OE 100 Open Elective	3
HLT105 Cardiopulmonary Resuscitations	1	OE 100 Open Elective	1
HLT106 First Aid and Safety	2	OE 100 Open Elective	2
HLT116 Introduction to Personal Wellness Concepts	3	NAT100 Natural Sciences Elective	3
HLT121 Introduction to Drug Use and Abuse	3	NAT100 Natural Sciences Elective	3
HLT130 Nutrition and Diet Therapy	2	NAT100 Natural Sciences Elective	2
HLT141 Intro to Medical Terminology	2	BIO150 Medical Terminology	2
HLT143-144 Medical Terminology I-II	3	BIO150 Medical Terminology & BIO Biology Elective	3

HLT200 Human Sexuality	3	PSY200 Psychology Elective	3
HLT204 Women's Health	3	NAT200 Natural Science Elective	3
HLT215 Personal Stress and Stress Management	3	NAT200 Natural Science Elective	3
HLT230 Principles of Nutrition and Human Development	3	NAT200 Natural Science Elective	3
HLT250 General Pharmacology	3	NAT200 Natural Science Elective	3
HLT261 Basic Pharmacology I	3	NAT200 Natural Science Elective	3
HLT263 Basic Pharmacology I Lab	1	OE 200 Open Elective	1
HLT290 Coordinated Internship	1-5	NAT200 Natural Science Elective	1-5
HOTEL-RESTAURANT-INSITUATIONAL MANAGEMENT (HRI)			
HRI101 Hotel-Restaurant Organization and Management I	3	OE 100 Open Elective	3
HRI106 Principles of Culinary Arts I-II	3	OE 100 Open Elective	3
HRI119 Applied Nutrition for Food Service	3	OE 100 Open Elective	3
HRI128 Principles of Baking	3	OE 100 Open Elective	3
HRI140 Fundamentals of Quality for the Hospitality Industry	3	OE 100 Open Elective	3
HRI154 Principles of Hospitality Management	3	OE 100 Open Elective	3
HRI158 Sanitation and Safety	3	OE 100 Open Elective	3
HRI190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
HRI195 Topics In	1-5	OE 100 Open Elective	1-5
HRI215 Food Purchasing	3	OE 200 Open Elective	3
HRI218 Fruit, Vegetable, and Starch Preparation	3	OE 200 Open Elective	3
HRI219 Stock, Soup and Sauce Preparation	3	OE 200 Open Elective	3
HRI220 Meat, Seafood, and Poultry Preparation	3	OE 200 Open Elective	3
HRI224 Recipe and Menu Management	3	OE 200 Open Elective	3
HRI241 Supervision in the Hospitality Industry	3	OE 200 Open Elective	3
HRI251 Food and Beverage Cost Control I	3	OE 200 Open Elective	3
HRI257 Catering Management	3	OE 200 Open Elective	3
HRI290 Coordinated Internship	1-5	OE 200 Open Elective	1-5
HRI298 Seminar and Project	1-5	OE 200 Open Elective	1-5
HUMANITIES (HUM)			
HUM165 Controversial Issues in Contemporary American Culture	3	CUL100 Cultural Studies Elective	3
HUM195 Topics In	1-5	CUL100 Cultural Studies Elective	1-5
HUM198 Seminar and Project	1-5	CUL100 Cultural Studies Elective	1-5
HUM246 Creative Thinking	3	CUL200 Cultural Studies Elective	3
HUM256 Mythology in Literature and the Arts	3	CUL200 Cultural Studies Elective	3
HUM260 Survey of Twentieth-Century Culture	3	CUL200 Cultural Studies Elective	3
INDUSTRIAL ENGINEERING TECHNOLOGY (IND)			
IND103 Industrial Methods	3	OE 100 Open Elective	3
IND123 Introduction to Lean Manufacturing and Six Sigma	1	OE 100 Open Elective	1
IND137 Team Concepts and Problem Solving	3	OE 100 Open Elective	3
IND138 Industrial Leadership and Career Development	1	OE 100 Open Elective	1
IND161 Product Design and Development I	5	OE 100 Open Elective	5
IND162 Product Design and Development II	5	OE 100 Open Elective	5
IND181 World Class Manufacturing I	3	OE 100 Open Elective	3
IND195 Topics In	1-5	OE 100 Open Elective	1-5
IND199 Supervised Study	1-5	OE 100 Open Elective	1-5
IND243 Principles and Applications of Mechatronics	3	OE 200 Open Elective	3
IND298 Seminar and Project	1-5	OE 200 Open Elective	1-5

INSTRUMENTATION (INS)			
INS121 Introduction to Measurement and Control	3	OE 100 Open Elective	3
INS230 Instrumentation I	3	OE 200 Open Elective	3
INFORMATION TECHNOLOGY DATABASE (ITD)			
ITD110 Web Page Design I	3	CIT255 Internet and Website Development I	3
ITD112 Designing Web Page Graphics	3	CIS100 Computer Information Systems Elective	3
ITD115 Web Page Design and Site Management	3	CIS100 Computer Information Systems Elective	3
ITD120 Design Concepts for Mobile Applications	4	CIS100 Computer Information Systems Elective	4
ITD132 Structured Query Language	3	CIS100 Computer Information Systems Elective	3
ITD198 Seminar and Project	1-5	CIS100 Computer Information Systems Elective	1-5
ITD210 Web Page Design II	3	CIT256 Internet and Website Development II	3
ITD212 Interactive Web Design	3	CIS200 Computer Information Systems Elective	3
ITD250 Database Architecture and Administration	3	CIS200 Computer Information Systems Elective	3
ITD256 Advanced Database Management	3	CIS200 Computer Information Systems Elective	3
ITD258 Database Performance and Tuning	3	CIS200 Computer Information Systems Elective	3
ITD260 Data Modeling and Design	3	CIS200 Computer Information Systems Elective	3
INFORMATION TECHNOLOGY ESSENTIALS (ITE)			
ITE115 Introduction to Computer Applications and Concepts	3	CST111 Digital Literacy and Technology Readiness	3
ITE116 Survey of Computer Software Applications	2	CST111 Digital Literacy and Technology Readiness	2
ITE120 Principles of Information Systems	3	CIS100 Computer Information Systems Elective	3
ITE130 Introduction to Internet Services	3	CIS100 Computer Information Systems Elective	3
ITE131 Survey of Internet Services	1	OE 100 Open Elective	1
ITE140 Spreadsheet Software	3	CIS100 Computer Information Systems Elective	3
ITE150 Desktop Database Software	4	CIS100 Computer Information Systems Elective	4
ITE182 User Support/Help Desk Principles	3	CIS100 Computer Information Systems Elective	3
ITE195 Topics In	1-5	CIS100 Computer Information Systems Elective	1-5
ITE215 Advanced Computer Applications and Integration	4	CIS200 Computer Information Systems Elective	4
ITE221 PC Hardware and OS Architecture	3	CIS200 Computer Information Systems Elective	3
ITE225 Mobile Computing	3	CIS200 Computer Information Systems Elective	3
INFORMATION TECHNOLOGY NETWORKING (ITN)			
ITN102 Information to Networked Client Operating Systems (LAN)	4	CIT100 Computer Information Technology Elective	4
ITN103 Administration of Networked Servers	4	CIT100 Computer Information Technology Elective	4
ITN104 Maintain Servers in the Networked Infrastructure	4	CIT100 Computer Information Technology Elective	4
ITN106 Microcomputer Operating Systems	3	CIT155 Operating Systems	3
ITN107 Personal Computer Hardware & Troubleshooting	3	CIT100 Computer Information Technology Elective	3
ITN109 Internet and Network Foundations	3	CIT100 Computer Information Technology Elective	3
ITN154 Network Fundamentals, Router Basics, and Configuration	4	CIT100 Computer Information Technology Elective	4
ITN155 Switching, Wireless, and WAN Technologies	4	CIT100 Computer Information Technology Elective	4
ITN156 Basic Switching and Routing	4	CIT100 Computer Information Technology Elective	4
ITN157 WAN Technologies -Cisco	4	CIT100 Computer Information Technology Elective	4
ITN170 Linux System Administration	3	CIT100 Computer Information Technology Elective	3
ITN200 Administration of Network Resources	4	CIT200 Computer Information Technology Elective	3
ITN201 Administration & Management of Network Infrastructures	3	CIT200 Computer Information Technology Elective	3
ITN209 Voice Over Internet Protocol	3	CIT200 Computer Information Technology Elective	3
ITN213 Information Storage and Management	4	CIT200 Computer Information Technology Elective	4
ITN231 Desktop Virtualization	4	CIT200 Computer Information Technology Elective	4
ITN245 Network Troubleshooting	3	CIT200 Computer Information Technology Elective	3
ITN254 Virtual Infrastructure: Installation and Configuration	4	CIT200 Computer Information Technology Elective	4

ITN255 Virtual Infrastructure: Deployment, Security and Analysis	4	CIT200 Computer Information Technology Elective	4
ITN257 Cloud Computing: Infrastructure and Services	3	CIT200 Computer Information Technology Elective	3
ITN260 Network Security Basics	3	CIT200 Computer Information Technology Elective	3
ITN261 Network Attacks, Computer Crime and Hacking	3	CIT200 Computer Information Technology Elective	3
ITN262 Network Communication, Security and Authentication	4	CIT200 Computer Information Technology Elective	4
ITN263 Internet/Intranet Firewalls and E-Commerce Security	4	CIT200 Computer Information Technology Elective	4
ITN267 Legal Topics in Network Security	3	CIT200 Computer Information Technology Elective	3
ITN276 Computer Forensics I	4	CIT200 Computer Information Technology Elective	4
ITN277 Computer Forensics II	3	CIT200 Computer Information Technology Elective	3
INFORMATION TECHNOLOGY PROGRAMMING (ITP)			
ITP100 Software Design	3	CIS100 Computer Information Systems Elective	3
ITP112 Visual Basic.NET I	4	CIS201 Programming	4
ITP120 Java Programming I	4	CIS201 Programming	4
ITP134 Visual C++ Programming I	4	CIS201 Programming	4
ITP136 C# Programming I	4	CIS201 Programming	4
ITP140 Client Side Scripting	3	CIT100 Computer Information Technology Elective	3
ITP160 Introduction to Game Design and Development	3	CIT100 Computer Information Technology Elective	3
ITP165 Gaming and Simulation	3	CIT100 Computer Information Technology Elective	3
ITP170 Project Management	3	CIT100 Computer Information Technology Elective	3
ITP200 Data Structure and Algorithms	3	CIT200 Computer Information Technology Elective	3
ITP214 Windows Mobile Development	4	CIT200 Computer Information Technology Elective	4
ITP215 XML Web Services	4	CIT200 Computer Information Technology Elective	4
ITP220 Java Programming II	4	CIT200 Computer Information Technology Elective	4
ITP224 Mobile Java ME	4	CIT200 Computer Information Technology Elective	4
ITP225 Web Scripting Language	3	CIT200 Computer Information Technology Elective	3
ITP226 Mobile Java Android Development	4	CIT200 Computer Information Technology Elective	4
ITP236 C# Programming II	4	CIT200 Computer Information Technology Elective	4
ITP244 ASP.NET -Server Side Programming	4	CIT200 Computer Information Technology Elective	4
ITP246 JAVA- Server Side Programming	3	CIT200 Computer Information Technology Elective	3
ITP251 Systems Analysis and Design	4	CIT200 Computer Information Technology Elective	4
ITP258 Systems Development Project	3	CIT200 Computer Information Technology Elective	3
ITP265 Applications of Modeling and Simulation	4	CIT200 Computer Information Technology Elective	4
MACHINE TECHNOLOGY (MAC)			
MAC101 Machine Shop I	8	OE 100 Open Elective	8
MAC102 Machine Shop II	7	OE 100 Open Elective	7
MAC108 Computer Numerically Controlled (CNC) Grinding	2	OE 100 Open Elective	2
MAC121 Numerical Control I	2	OE 100 Open Elective	2
MAT122 Numerical Control II	2	OE 100 Open Elective	2
MAT123 Computer Numerical Control III	2	OE 100 Open Elective	2
MAT126 Introductory CNC Programming	3	OE 100 Open Elective	3
MAC127 Advanced CNC Programming	3	OE 100 Open Elective	2
MAC128 CNC Programming	2	OE 100 Open Elective	2
MAC130 Introduction to Electric Discharge Machining (EDM)	2	OE 100 Open Elective	2
MAC131 Machine Lab I	2	OE 100 Open Elective	2
MAT134 CMM Operation and Programming	2	OE 100 Open Elective	2
MAC146 Metal/Heat Treatment	2	OE 100 Open Elective	2
MAC150 Introduction to Computer Aided Manufacturing	3	OE 100 Open Elective	3
MAC161-162 Machine Shop Practices I-II	3	OE 100 Open Elective	3
MAC163-164 Machine Shop Practices III-IV	3	OE 100 Open Elective	3

MAC195 Topics In	1-5	OE 100 Open Elective	1-5
MAC209 Standards, Measurements and Calculations	3	OE 200 Open Elective	3
MAC221-222-223 Advanced Machine Tool Operations I-II-III	7	OE 200 Open Elective	7
MAC224 Advanced Tooling Applications	3	OE 200 Open Elective	3
MAC251 Adv Comput Aided Manufacturing Modeling&Simulation	3	OE 200 Open Elective	3
MAC253 Adv Coord Measuring Machine Operating&Programming	3	OE 200 Open Elective	3
MAC254 Machining Flow Cell IT Integration	2	OE 200 Open Elective	2
MAC255 Introduction to Supply Chain Strategies for Industry	3	OE 200 Open Elective	3
MAC256 Multi-axis Machine Tool Set-up, Prog and Operation	3	OE 200 Open Elective	3
MAC257 Precision Machining Flow Cell Capstone	4	OE 200 Open Elective	4
MAC258 Tool Inspection, Validation and Presetting	2	OE 200 Open Elective	2
MAC295 Topics In	1-5	OE 200 Open Elective	1-5
MEDICAL LABORATORY (MDL)			
MDL101 Introduction to Medical Laboratory Techniques	3	OE 100 Open Elective	3
MDL105 Phlebotomy	4	OE 100 Open Elective	4
MDL106Clinical Phlebotomy	3	OE 100 Open Elective	3
MDL110 Urinalysis and Body Fluids	3	OE 100 Open Elective	3
MDL125 Clinical Hematology I	3	OE 100 Open Elective	3
MDL190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
MDL210 Immunology and Serology	3	OE 200 Open Elective	3
MDL216 Blood Banking	4	OE 200 Open Elective	4
MDL225 Clinical Hematology II	3	OE 200 Open Elective	3
MDL251 Clinical Microbiology I	3	OE 200 Open Elective	3
MDL252 Clinical Microbiology II	3	OE 200 Open Elective	3
MDL262 Clinical Chemistry and Instrumentation II	4	OE 200 Open Elective	4
MDL281 Clinical Correlations	1	OE 200 Open Elective	1
MDL282 Clinical Laboratory Techniques	3	OE 200 Open Elective	3
MDL290 Coordinated Internship	1-5	OE 200 Open Elective	1-5
MECHANICAL ENGINEERING TECHNOLOGY (MEC)			
MEC100 Introduction to Engineering Technology	2	OE 100 Open Elective	2
MEC111 Martials for Industry	3	OE 100 Open Elective	3
MEC126 Computer Programming for Technologists	2	OE 100 Open Elective	2
MEC131 Mechanics I-Statics for Engineering Technology	3	OE 100 Open Elective	3
MEC132 Mechanics II Strength of Mat for Eng Tech	3	OE 100 Open Elective	3
MEC148 Industrial Pipefitting	3	OE 100 Open Elective	3
MEC154 Mechanical Maintenance I	3	OE 100 Open Elective	3
MEC161 Basic Fluid Mechanics: Hydraulics/Pneumatics	3	OE 100 Open Elective	3
MEC162 Applied Hydraulics and Pneumatics	3	OE 100 Open Elective	3
MEC169 Steam Systems	2	OE 100 Open Elective	2
MEC208 Materials Handling for Forklift Operations	2	OE 200 Open Elective	2
MEC211-212 Machine Design I-II	4	OE 200 Open Elective	4
MEC254 Mechanical Maintance II	3	OE 200 Open Elective	3
MEC265 Fluid Mechanics	3	OE 200 Open Elective	3
MEC266 Applications for Fluid Mechanics	3	OE 200 Open Elective	3
MEC268 Fluid Power- Hydraulic Systems	2	OE 200 Open Elective	2
MEC269 Fluid Power - Pneumatic Systems	2	OE 200 Open Elective	2
MARKETING (MKT)			
MKT100 Principles of Marketing	3	MKT151 Introductory Marketing	3

MKT110 Principles of Selling	3	MKT252 Buyer Behavior	3
MKT170 Customer Service	1	OE 100 Open Elective	1
MKT195 Topics In	1-5	MKT100 Marketing Elective	1-5
MKT216 Retail Organization and Management	3	MKT200 Marketing Elective	3
MKT227 Merchandise Buying and Control	3	MKT200 Marketing Elective	3
MKT228 Promotion	3	MKT200 Marketing Elective	3
MKT281 Principles of Internet Marketing	3	MKT200 Marketing Elective	3
MKT282 Principles of E-Commerce	3	MKT200 Marketing Elective	3
MKT297 Cooperative Education	1-6	MKT200 Marketing Elective	1-6
MKT298 Seminar and Project	1-5	MKT200 Marketing Elective	1-6
MATH ESSENTIALS (MTE)			
MTE1 Operations with Positive Fractions	1	No Credit	*
MTE2 Operations with Positive Decimals and Percents	1	No Credit	*
MTE3 Algebra Basics	1	No Credit	*
MTE4 First Degree Equations and Inequalities in One Variable	1	No Credit	*
MTE5 Linear Eq Inequalities & Sys of Linear Eq in Two Variables	1	No Credit	*
MTE6 Exponents, Factoring and Polynomial Equations	1	No Credit	*
MTE7 Rational Expressions and Equations	1	No Credit	*
MTE8 Rational Exponents and Radicals	1	No Credit	*
MTE9 Functions, Quadratic Equations and Parabolas	1	No Credit	*
MATHEMATICS (MTH)			
MTH111 Basic Technical Mathematics	3	MAT101 Mathematics Elective	3
MTH115 Technical Mathematics I	3	MAT101 Mathematics Elective	3
MTH120 Introduction to Mathematics	3	MAT101 Mathematics Elective	3
MTH121 Fundamentals of Mathematics I	3	MAT101 Mathematics Elective	3
MTH130 Fundamentals of Reasoning	3	MAT101 Mathematics Elective	3
MTH133 Mathematics for Health Professions	3	MAT101 Mathematics Elective	3
MTH141 Business Mathematics I	3	MAT101 Mathematics Elective	3
MTH152 Mathematics for the Liberal Arts II	3	MAT101 Mathematics Elective	3
MTH154 Quantitative Reasoning	3	MAT185 Quantitative Reasoning	3
MTH155 Statistical Reasoning	3	MAT101 Mathematics Elective	3
MTH157 Elementary Statistics	3	MAT101 Mathematics Elective	3
MTH158 College Algebra	3	MAT181 College Algebra	3
MTH161 PreCalculus I	3	MAT275 Pre-Calculus I	3
MTH162 PreCalculus II	3	MAT275 Pre-Calculus I	3
MTH167 PreCalculus with Trigonometry	5	MAT275 Pre-Calculus I	5
MTH166 Precalculus with Trigonometry	4	MAT275 Pre-Calculus I	4
MTH173 Calculus with Analytic Geometry I	4	MAT281 Calculus I	4
MTH174 Calculus with Analytic Geometry II	4	MAT281 Calculus I	4
MTH175 Calculus of One Variable I	3	MAT101 Mathematics Elective	3
MTH176 Calculus of One Variable II	3	MAT101 Mathematics Elective	3
MTH177 Introductory Linear Algebra	2	MAT101 Mathematics Elective	2
MTH178 Topics in Analytic Geometry	2	MAT101 Mathematics Elective	2
MTH240 Statistics	3	MAT273 Applied Statistics I	3
MTH241 Statistics I	3	MAT273 Applied Statistics I	3
MTH245 Statistics I	3	MAT273 Applied Statistics I	3
MTH261 Applied Calculus I	3	MAT281 Calculus I	3
MTH263 Calculus I	4	MAT281 Calculus I	4
MTH264 Calculus II	4	MAT285 Calculus II	4

MTH265 Calculus III	4	MAT200 Open Elective	4
MTH266 Linear Algebra	3	MAT200 Open Elective	3
MTH267 Differential Equations	3	MAT200 Open Elective	3
MTH272 Applied Calculus II	3	MAT200 Open Elective	3
MTH274 Calculus II	4	MAT285 Calculus II	4
MTH277 Vector Calculus	4	MAT200 Open Elective	4
MTH279 Ordinary Diffetntial Equations	4	MAT200 Open Elective	4
MTH286 Discrete Mathematics	4	MAT287 Discrete Mathematics	4
MOTORSPORTS MANAGEMENT AND TECHNOLOGY (MTS)			
MTS105 Fundamentals of Motorsports Technology	3	OE 100 Open Elective	3
MTS120 Introduction to Motorsports Technology	3	OE 100 Open Elective	3
MTS125 Motorsports Technology I	3	OE 100 Open Elective	3
MTS126 Motorsports Technology II	3	OE 100 Open Elective	3
MTS130 Motorsports Structural Technology I	3	OE 100 Open Elective	3
MTS135 Sheet Metal Fabrication	3	OE 100 Open Elective	3
MUSIC (MUS)			
MUS121-122 Music Appreciation I-II	3	MUS223 Music Appreciation	3
MUS195 Topics In	1-5	MUS101 Music Elective	1-5
NATURAL SCIENCE (NAS)			
NAS105 Natural Science Topics for Modern Society	3	NAT100 Natural Science Elective	3
NAS161 Health Science I	4	NAT100 Natural Science Elective	4
NAS162 Health Science II	4	NAT100 Natural Science Elective	4
NAS185 Microbiology	4	NAT100 Natural Science Elective	4
NURSING (NSG)			
NSG100 Introduction to Nursing Concepts	4	OE 100 Open Elective	4
NSG106 Competencies for Nursing Practice	2	OE 100 Open Elective	2
NSG130 Professional Nursing Concepts	1	OE 100 Open Elective	1
NSG152 Health Care Participant	3	OE 100 Open Elective	3
NSG170 Health/Illness Concepts	6	OE 100 Open Elective	6
NSG200 Health Promotion and Assessment	3	OE 200 Open Elective	3
NSG210 Health Care Concepts I	5	OE 200 Open Elective	5
NSG211 Health Care Concepts II	5	OE 200 Open Elective	5
NSG230 Advanced Professional Nursing Concepts	2	OE 200 Open Elective	2
NSG252 Complex Health Care Concepts	4	OE 200 Open Elective	4
NSG270 Nursing Capstone	4	OE 200 Open Elective	4
NURSING (NUR)			
NUR25 Nursing Assistant	3	No Credit	*
NUR27 Nurse Aide I	3	No Credit	*
NUR98 Seminar and Project	3	No Credit	*
NUR100 Introduction to Nursing and Health	2	OE 100 Open Elective	2
NUR111 Nursing I	8	OE 100 Open Elective	8
NUR112 Nursing II	8	OE 100 Open Elective	8
NUR135 Drug Dosage Calculations	2	OE 100 Open Elective	2
NUR193 Studies In	1-5	OE 100 Open Elective	1-5
NUR202 Medical/Surgical Nursing I	4	OE 200 Open Elective	4
NUR208 Acute Medical Surgical Nursing	5	OE 200 Open Elective	5

NUR226 Health Assessment	3	OE 200 Open Elective	3
NUR230 Pharmacology	3	OE 200 Open Elective	3
NUR245 Maternal/Newborn Nursing	3	OE 200 Open Elective	3
NUR246 Parent/Child Nursing	3	OE 200 Open Elective	3
NUR247 Psychiatric/Mental Health Nursing	3	OE 200 Open Elective	3
NUR254 Dimensions of Professional Nursing	2	OE 200 Open Elective	2
PHYS EDUCATION AND RECREATION (PED)			
PED103 Aerobic Fitness I	1-2	OE 100 Open Elective	1-2
PED104 Aerobic Fitness II	1-2	OE 100 Open Elective	1-2
PED107 Exercise and Nutrition I	2	OE 100 Open Elective	2
PED108 Exercise and Nutrition II	2	OE 100 Open Elective	2
PED109 Yoga	1-2	OE 100 Open Elective	1-2
PED110 Zumba	1-2	OE 100 Open Elective	1-2
PED111 Weight Training I	1-2	OE 100 Open Elective	1-2
PED112 Weight Training II	1-2	OE 100 Open Elective	1-2
PED117 Fitness Walking	1	OE 100 Open Elective	1
PED118 Baseball Fundamentals I	1-2	OE 100 Open Elective	1-2
PED119 Baseball Fundamentals II	1-2	OE 100 Open Elective	1-2
PED170 Tai Chi I	1-2	OE 100 Open Elective	1-2
PED195 Topics In	1-5	OE 100 Open Elective	1-5
PED206 Sports Appreciation	2	OE 200 Open Elective	2
PED270 Tai Chi II	1-2	OE 200 Open Elective	1-2
PHILOSOPHY (PHI)			
PHI100 Introduction to Philosophy	3	PHI110 The Art of Reasoning	3
PHI220 Ethics	3	PHI215 Ethics	3
PHI226 Social Ethics	3	PHI200 Philosophy	3
PHOTOGRAPHY (PHT)			
PHT100 Introduction to Photography	3	ART100 Art Elective	3
PHT101 Photography I	3	ART100 Art Elective	3
PHYSICS (PHY)			
PHY130 Survey of Applied Physics	3	PHY100 Physics Elective	3
PHY201 General College Physics I	4	PHY211 General Physics I	4
PHY202 General College Physics II	4	PHY212 Physics II	4
PHY241-242 University Physics I-II	4	PHY200 Physics Elective	4
POLITICAL SCIENCE (PLS)			
PLS135 American National Politics	3	POL101 Introduction to American Political Process	3
PLS211 U.S. Government I	3	POL200 Political Science Elective	3
PLS212 U.S. Government II	3	POL200 Political Science Elective	3
PLS241 International Relations I	3	POL200 Political Science Elective	3
PRACTICAL NURSING (PNE)			
PNE135 Maternal and Child Health Nursing	5	OE 100 Open Elective	5
PNE145 Trends in Practical Nursing	1	OE 100 Open Elective	1
PNE158 Mental Health and Psychiatric Nursing	1	OE 100 Open Elective	1
PNE161 Nursing in Health Changes I	6	OE 100 Open Elective	6
PNE162 Nursing in Health Changes II	10	OE 100 Open Elective	10

PNE163 Nursing in Health Changes III	9	OE 100 Open Elective	9
PNE173 Pharmacology for Practical Nurses	2	OE 100 Open Elective	2
PNE174 Applied Pharmacology for Practical Nurses	2	OE 100 Open Elective	2
PRINTING (PNT)			
PNT110 Survey of Reproduction Processes	3	OE 100 Open Elective	3
PNT130 Applied Math for Graphics Industry	3	OE 100 Open Elective	3
PNT131 Principles of Lithography I	4	OE 100 Open Elective	4
PNT135 Print Imaging	2	OE 100 Open Elective	2
PNT141 Printing Applications I	3	OE 100 Open Elective	3
PNT142 Printing Applications II	3	OE 100 Open Elective	3
PNT211 Electronic Publishing I	3	OE 200 Open Elective	3
PNT221 Layout and Design I	3	OE 200 Open Elective	3
PNT222 Layout and Design II	3	OE 200 Open Elective	3
PNT231 Lithographic Chemistry	2	OE 200 Open Elective	2
PNT241 Advanced Printing Applications	3	OE 200 Open Elective	3
PNT245 Production Planning and Estimating	4	OE 200 Open Elective	4
PNT251 Offset Press Operations I-II	4	OE 200 Open Elective	4
PNT260 Color Separation	3	OE 200 Open Elective	3
PNT265 Digital Imaging Applications	4	OE 200 Open Elective	4
PNT298 Seminar and Project	1-5	OE 200 Open Elective	1-5
PSYCHOLOGY (PSY)			
PSY126 Psychology for Business and Industry	3	PSY100 Psychology Elective	3
PSY200 Principles of Psychology	3	PSY101 Introduction to Psychology	3
PSY201-202 Introduction to Psychology I-II	3	PSY200 Psychology Elective	3
PSY215 Abnormal Psychology	3	PSY200 Psychology Elective	3
PSY230 Developmental Psychology	3	PSY200 Psychology Elective	3
PSY235 Child Psychology	3	PSY200 Psychology Elective	3
PSY255 Psychological Aspects of Criminal Behavior	3	PSY200 Psychology Elective	3
RELIGION (REL)			
REL200 Survey of the Old Testament	3	OE 200 Open Elective	3
REL210 Survey of the New Testament	3	OE 200 Open Elective	3
REL230 Religions of the World	3	OE 200 Open Elective	3
REL240 Religions in America	3	OE 200 Open Elective	3
RESPIRATORY THERAPY (RTH)			
RTH102 Integrated Sciences for Respiratory Care II	3	OE 100 Open Elective	3
RTH110 Fund Theory and Procedures for Respiratory Care	4	OE 100 Open Elective	4
RTH112 Pathology of the Cardiopulmonary System	3	OE 100 Open Elective	3
RTH113 Pathophysiology of the Cardiopulmonary System	4	OE 100 Open Elective	4
RTH121 Cardiopulmonary Science I	3	OE 100 Open Elective	3
RTH131 Respiratory Care Theory and Procedures I	4	OE 100 Open Elective	4
RTH132 Respiratory Care Theory and Procedures II	4	OE 100 Open Elective	4
RTH135 Diagnostic and Therapeutic Procedures I	2	OE 100 Open Elective	2
RTH145 Pharmacology for Respiratory Care I	1	OE 100 Open Elective	1
RTH190 Coordinated Internship	1-5	OE 100 Open Elective	1-5
RTH199 Supervised Study	1-5	OE 100 Open Elective	1-5
RTH215 Pulmonary Rehabilitation	1	OE 200 Open Elective	1
RTH222 Cardiopulmonary Science II	3	OE 200 Open Elective	3

RTH223 Cardiopulmonary Science III	3	OE 200 Open Elective	3
RTH226 Theory of Neonatal and Pediatric Respiratory Care	2	OE 200 Open Elective	2
RTH227 Integrated Respiratory Therapy Skills II	2	OE 200 Open Elective	2
RTH236 Critical Care Monitoring	3	OE 200 Open Elective	3
RTH265 Current Issues in Respiratory Care	2	OE 200 Open Elective	2
RTH290 Coordinated Internship	1-5	OE 200 Open Elective	1-5
RTH299 Supervised Study	1-5	OE 200 Open Elective	1-5
SAFETY (SAF)			
SAF120 Safety & Health Standards: Regulations and Codes	3	OE 100 Open Elective	3
SAF126 Principles of Industrial Safety	3	OE 100 Open Elective	3
SAF130 Industrial Safety- OSHA 10	1	OE 100 Open Elective	1
STUDENT DEVELOPMENT (SDV)			
SDV100 College Success Skills	1	No Credit	*
SDV101 Orientation to College	1	No Credit	*
SDV106 Preparation for Employment	1	No Credit	*
SDV108 College Survival Skills	1	No Credit	*
SDV110 Ordination to Teaching as a Profession	3	OE 100 Open Elective	3
SDV195 Topics In	1-5	OE 100 Open Elective	1-5
SDV198 Seminar and Project	1-5	OE 100 Open Elective	1-5
SOCIOLOGY (SOC)			
SOC200 Principles of Sociology	3	SOC101 Principles of Sociology	3
SOC201-202 Introduction to Sociology I-II	3	SOC200 Sociology Elective	3
SOC215 Sociology of the Family	3	SOC200 Sociology Elective	3
SOC235 Juvenile Delinquency	3	COR231 Juvenile Justice Systems	3
SOC236 Criminology	3	ENF293 Criminology	3
SOC268 Social Problems	3	SOC200 Sociology Elective	3
SPANISH (SPA)			
SPA101 Beginning Spanish I	4	SPA101 Elementary Spanish I	4
SPA102 Beginning Spanish II	4	SPA102 Elementary Spanish II	3
SPA103-104 Basic Spoken Spanish I-II	3	SPA100 Spanish Elective	3
SPA150 Spanish for Law Enforcement	3	SPA100 Spanish Elective	3
SPA201 Intermediate Spanish	3	SPA201 Intermediate Spanish I	3
SPA203 Intermediate Spanish I-II	3	SPA202 Adv Spanish Lang & Lit: The Novel	3
SPA204 Intermediate Spanish I-II	3	SPA200 Spanish Elective	3
WELDING (WEL)			
WEL31 Introductory Gas Tungsten Arc Welding	3	No Credit	*
WEL116 Welding I (Oxyacetylene)	2	OE 100 Open Elective	2
WEL120 Fundamentals of Welding	2	OE 100 Open Elective	2
WEL121 Arc Welding	2	OE 100 Open Elective	2
WEL122 Welding II (Electric Arc)	2	OE 100 Open Elective	2
WEL124 Shielded Metal Arc Welding (Advanced)	4	OE 100 Open Elective	4
WEL126 Pipe Welding I	3	OE 100 Open Elective	3
WEL135 Inert Gas Welding	2	OE 100 Open Elective	2
WEL136 Welding III (Inert Gas)	2	OE 100 Open Elective	2
WEL138 Pipe and Tube Welding	2	OE 100 Open Elective	2
WEL145 Welding Metallurgy	3	OE 100 Open Elective	3

WEL150 Welding Drawing and Interpretation	3	OE 100 Open Elective	3
WEL160 Gas Metal Arc Welding	4	OE 100 Open Elective	4
WEL199 Supervised Study	1-5	OE 100 Open Elective	1-5
WEL233 Gas Metal Arc Welding (GMAW) Aluminum	2	OE 200 Open Elective	2
WEL235 Advanced Gas Metal Arc Welding	3	OE 200 Open Elective	3
WEL237 Applied Welding Process	3	OE 200 Open Elective	3
WEL238 Gas Tungsten Arc Welding Aluminum	3	OE 200 Open Elective	3
WEL241 Robotic Welding I	2	OE 200 Open Elective	2
WEL242 Robotics Welding II	2	OE 200 Open Elective	2
WEL244 Weld Testing and Codes	2	OE 200 Open Elective	2
WEL247 Welding Layout and Fabrication I	2	OE 200 Open Elective	2
WEL248 Welding Layout and Fabrication II	2	OE 200 Open Elective	2