BASED ON THE 2019-2021 NORTHWEST STATE COMMUNITY COLLEGE CATALOG				
AND THE 2020-2021 TIFFIN UNIVERSITY ACADEMIC BULLETIN				
Northwest State Community College Course Equivalence				
NORTHWEST STATE COMMUNITY COLLEGE			**TIFFIN UNIVERSITY**	
	Sem. Hr.			Sem. Hr.
ACCOUNTING (ACC)				
ACC090 Introduction to Accounting	3		No Credit	*
ACC111 Financial Accounting	3		ACC210 Financial Accounting	3
ACC112 Managerial Accounting	3		ACC228 Managerial Accounting	3
ACC120 Payroll Accounting	3		ACC100 Accounting Elective	3
ACC140 Individual Income Tax Accounting	3		ACC100 Accounting Elective	3
ACC211 Intermediate Accounting I	3		ACC200 Accounting Elective	3
ACC212 Intermediate Accounting II	3		ACC200 Accounting Elective	3
ACC221 Cost Accounting I	3		ACC200 Accounting Elective	3
ACC222 Cost Accounting II	3		ACC200 Accounting Elective	3
ACC230 Auditing	3		ACC200 Accounting Elective	3
ACC240 Business Income Tax Accounting	3		ACC200 Accounting Elective	3
ACC260 Accounting on Computers	3		ACC200 Accounting Elective	3
ACC291 Accounting Internship	3		ACC200 Accounting Elective	3
ALTERNATIVE ENERGEY (AET)				
AET100 Intro to Alternative Energies	3		OE 100 Open Elective	3
AET110 Energy Audit	3		OE 100 Open Elective	3
AET120 Wind Power	4		OE 100 Open Elective	4
AET130 Solar Thermal	4		OE 100 Open Elective	4
AET140 Geothermal	4		OE 100 Open Elective	4
AET200 Sustainable Building Design	3		OE 200 Open Elective	3
AET220 Solar Photovoltaics	4		OE 200 Open Elective	4
AET230 Hydrogen and Fuel Cell Technology	4		OE 200 Open Elective	4
AET240 Biofuels	4		OE 200 Open Elective	4
AET290 Alternative Energy Capstone	4		OE 200 Open Elective	4
AGRONOMY (AGR)				
AGR110 Agronomy Principles	3		OE 100 Open Elective	3
AGR120 Introduction to Precision Agriculture	3		OE 100 Open Elective	3
AGR130 Fundamentals of Soil Science	4		OE 100 Open Elective	4
AGR210 Sustainable Agronomy	5		OE 200 Open Elective	5
AGR2220 Agricultural Meteorology and Climate	3		OE 200 Open Elective	3
AGR230 Nutrient Management Principles	3		OE 200 Open Elective	3
AGR240 Integrated Pest Management	3		OE 200 Open Elective	3
AGR290 Agriculture Practicum	2-4		OE 200 Open Elective	2-4
ART (ART)				
ART103 Beginning Drawing	3		ART100 Art Elective	3
ART210 Oil/Acrylic Painting	3		ART200 Art Elective	3
ART220 Beginning Sculpture	3		ART200 Art Elective	3

ASSOCIATE OF TECHNICAL STUDIES (ATS)			
ATS101 Portfolio Development	3	OE 100 Open Elective	3
BANKING AND FINANCE (BAN)			
BAN110 Bank Management	3	OE 100 Open Elective	3
BAN210 Credit Management	3	OE 200 Open Elective	3
BAN220 Investment Management	3	OE 200 Open Elective	3
BIOLOGICAL SCIENCES (BIO)			
BIO100 The World of Science	3	BIO100 Biology Elective	3
BIO101 Principles of Biology	4	BIO101 Contemporary Biological Problems & Lab	3+1
BIO115 Ecology	4	BIO100 Biology Elective	4
BIO131 Nutrition	3	BIO100 Biology Elective	3
BIO150 The Human Body	4	BIO100 Biology Elective	4
BIO180 Principles of Genetics	4	BIO100 Biology Elective	4
BIO201 General Biology I	4	BIO200 Biology Elective	4
BIO202 General Biology II	4	BIO200 Biology Elective	4
BIO231 Anatomy & Physiology I	4	NAT150 Introduction to Anatomy & Physiology & Lab	3+1
BIO232 Anatomy & Physiology II	4	NAT200 Natural Science Elective	4
BIO234 Human Disease	3	BIO200 Biology Elective	3
BIO257 Microbiology	4	BIO200 Biology Elective	4
BUSINESS (BUS)			
BUS101 Introduction to Business	3	MGT201 Managerial Of Organizations	3
BUS211 Business Communications	3	COM130 Introduction to Speech Communication	3
BUS221 Business Law	3	LAW211 Business Law I	3
BUS223 Employment Law, Safety, & Security	3	MGT200 Management Elective	3
BUS250 Labor Relations	3	MGT200 Management Elective	3
COMPUTER AIDED DESIGN (CAD)			
CAD112 CAD II	4	OE 100 Open Elective	4
CAD213 CAD III	4	OE 200 Open Elective	4
CONSTRUCTION ENGINEERING TECHNOLOGY (CET)			
CET100 Construction Methods & Materials	3	OE 100 Open Elective	3
CET115 Project Management	3	OE 100 Open Elective	3
CET120 Construction Material Testing	3	OE 100 Open Elective	3
CET200 Surveying	3	OE 200 Open Elective	3
CET215 Project Management II	3	OE 200 Open Elective	3
CET240 Soils	3	OE 200 Open Elective	3
CHEMISTRY (CHM)			
CHM100 The World of Science	3	CHM100 Chemistry Elective	3
CHM101 Principles of Chemistry	4	CHM100 Chemistry Elective	4
CHM110 Science & Technology of Sustainability	4	CHM100 Chemistry Elective	4
CHM138 Principles of Forensics	4	CHM100 Chemistry Elective	4

CHM201 General Chemistry I	5	CHM131 General Chemistry I & Lab	3+2
CHM202 General Chemistry II	5	CHM132 General Chemistry II & Lab	3+2
CHM256 Principles of Biochemistry	3	CHM200 Chemistry Elective	3
COMPUTER AND INFORMATION SYSTEMS (CIS)			
CIS090 Introduction to Computers	1	No Credit	*
CIS104 Desktop Management	1	OE 100 Open Elective	1
CIS108 Internet Scripting	4	CST100 Computer Science Elective	4
CIS109 Database Management	4	CST280 Database I	3
CIS111 Visual Basic Programming	4	CST201 Introduction to Programming	4
CIS112 Microsoft Word	3	CST100 Computer Science Elective	3
CIS113 Microsoft Excel	3	CST100 Computer Science Elective	3
CIS114 Microsoft Applications	3	CST111 Digital Literacy & Technology Readiness	3
CIS117 Microsoft Publisher	1	OE 100 Open Elective	1
CIS118 Access	1	CST111 Digital Literacy & Technology Readiness (if taken with CIS119, CIS121, CIS122) or OE 100 Open Elective	1
CIS119 PowerPoint	1	CST111 Digital Literacy & Technology Readiness (if taken with CIS118, CIS121, CIS122) or OE 100 Open Elective	1
CIS121 Intermediate Word	1	CST111 Digital Literacy & Technology Readiness (if taken with CIS118, CIS119, CIS122) or OE 100 Open Elective	1
CIS122 Intermediate Excel	1	CST111 Digital Literacy & Technology Readiness (if taken with CIS118, CIS119, CIS121) or OE 100 Open Elective	1
CIS129 Web Page Development	3	CIS255 Internet & Website Development or CST255 Internet & Website Design	3
CIS150 Programming C++	4	CST201 Introduction to Programming	4
CIS155 Linux Networking I	4	CST155 Introduction to Operating Systems	4
CIS161 C#	4	CST201 Introduction to Programming	4
CIS165 Java Programming	4	CST201 Introduction to Programming	4
CIS191 Computer Operations	3	CST125 Intro to Computer Hardware & Systems	3
CIS192 Microsoft Workstation Technology	3	CST100 Computer Science Elective	3
CIS193 Microsoft Server Technology	3	CST100 Computer Science Elective	3
CIS194 IT Security Fundamentals	3	CIT100 Computer Information Technology Elective	3
CIS195 Networking Essentials	3	CST230 Networking Fundamentals	3
CIS201 Workplace Technologies	3	CIT200 Computer Information Technology Elective	3
CIS202 Mobile Application Programming	3	CST200 Computer Science Elective	3
CIS255 Linux Networking II	4	CST200 Computer Science Elective	4
CIS265 Java Programming II	3	CST200 Computer Science Elective	3
CIS284 Microsoft Infrastructure Technology	3	CST200 Computer Science Elective	3
CIS285 Microsoft Directory	3	CST200 Computer Science Elective	3

CIS290 Information Technology Intern	1-4	OE 200 Open Elective or CST200 Computer Sci Elective	1-4
CRIMINAL JUSTICE (CJT)			
CJT130 Principles of Criminal Justice	3	JUS110 Introduction to Criminal Justice	3
CJT134 Criminal Law	3	JUS200 Criminal Justice Elective	3
CJT136 Juvenile Delinquency Principle	3	COR231 Juvenile Justice Systems	3
CJT140 Constitutional Law	3	JUS100 Criminal Justice Elective	3
CJT220 Law Enforcement in American Society	3	ENF200 Law Enforcement Elective	3
CJT230 Corrections	3	COR120 Correctional Thought and Practice	3
CJT240 Criminal Evidence & Procedure	3	JUS202 Criminal Procedures	3
CJT242 Probation & Parole	3	COR245 Probation, Parole, & Community Corrections	3
CJT244 Criminal Investigation	4	ENF239 Applied Criminal Investigation & Criminalistics	4
CJT246 Technical Skills for Officers	3	ENF200 Law Enforcement Elective	3
CJT252 Seminar in Criminal Justice	3	JUS200 Criminal Justice Elective	3
CJT281 Vehicle Patrol/Traffic Enforcement	4	ENF150 Police and Society	4
CJT282 Firearms/Driving	4	ENF200 Law Enforcement Elective	4
CJT283 Defensive Tactics/Physical Fit	3	ENF200 Law Enforcement Elective	3
CJT5284 Human Conditions	4	NAT112 First Aid/CPR/AED & JUS200 Criminal Justice Elective	1+3
CJT289 Special Topics CJ Professional	1	OE 200 Open Elective	1
CJT290 Criminal Justice Practicum	4	JUS200 Criminal Justice Elective	4
CYBERSECURITY (CYB)			
CYB190 Introduction to Programming	3	CDS100 Cyber Security Elective	3
CYB210 Cybersecurity Programming	3	CDS200 Cyber Security Elective	3
CYB220 Security Auditing	3	CDS200 Cyber Security Elective	3
CYB230 Network Security	3	CDS200 Cyber Security Elective	3
DATA BASE PROGRAMMING (DBP)			
DBP110 ICDL Computer Technologies	1	OE 100 Open Elective	1
DBP130 IT Customer Service and Communication	2	CIT100 Computer Information Technology Elective	2
DBP150 Database Basics	3	CST280 Database I	3
DBP205 Discrete Structures	3	CST200 Computer Science Elective	3
DBP210 Computer Programming I	3	CST201 Introduction to Programming	3
DBP220 Database Reporting	3	CST200 Computer Science Elective	3
DBP225 Computer Programming II	3	CST200 Computer Science Elective	3
EARLY CHILDHOOD (ECD)			
ECD150 Infant & Toddler Development and Care	2	OE 100 Open Elective	2
ECD190 Fundamentals of Early Childhood	3	OE 100 Open Elective	3
ECD201 Pre-Kindergarten Curriculum & Methods	3	OE 200 Open Elective	3
ECD270 Special Topics in Early Childhood	3	OE 200 Open Elective	3
ECD280 Child Care Field Experience	3	OE 200 Open Elective	3
ECD290 Pre-Kindergarten Practicum	3	OE 200 Open Elective	3
ECONOMICS (ECO)			
ECO211 Macroeconomics	3	ECO221 Principles of Macroeconomics	3

ECO212 Microeconomics	3	ECO222 Principles of Microeconomics	3
PARAPROFESSIONAL (EDP)			
EDP160 Introduction to Paraprofessional Education	4	OE 100 Open Elective	4
EDP290 Paraprofessional Internship	2	OE 200 Open Elective	2
EDUCATION (EDU)			
EDU100 Introduction to Teaching	2	OE 100 Open Elective	2
EDU120 Guidance & Classroom Management	3	OE 100 Open Elective	3
EDU140 Strategies for Teaching Reading	3	OE 100 Open Elective	3
EDU150 Child Development I	3	OE 100 Open Elective	3
EDU210 Creative Arts Curriculum	3	OE 200 Open Elective	3
EDU220 Special Education	3	OE 200 Open Elective	3
EDU230 Family, School & Community	3	OE 200 Open Elective	3
EDU240 Educational Psychology	3	EDU250 Educational Psychology & Human Development	3
EDU250 Education Seminar	2	OE 200 Open Elective	2
EDU260 Instructional Technology	3	OE 200 Open Elective	3
EDU270 Cultural & Linguistic Diversity	3	OE 200 Open Elective	3
ELECTRICAL ENGINEERING TECHNOLOGIES (EET)			
EET107 Python Programming	3	OE 100 Open Elective	3
EET121 DC Circuits	3	OE 100 Open Elective	3
EET122 AC Circuits	3	OE 100 Open Elective	3
EET132 Discrete Structures	3	OE 100 Open Elective	3
EET221 Digital Circuits	4	OE 200 Open Elective	4
EET231 Microprocessors	4	OE 200 Open Elective	4
EET240 Engineering Programming	3	OE 200 Open Elective	3
EET272 Networking I	3	OE 200 Open Elective	3
EET277 Industrial Electronics	3	OE 200 Open Elective	3
EET282 Networking II	3	OE 200 Open Elective	3
EET289 Systems Integration	3	OE 200 Open Elective	3
EMERGNECY MEDICAL SERVICES (EMS)			
EMS102 EMT Basic I	4	OE 100 Open Elective	4
EMS103 EMT Basic II	3	OE 100 Open Elective	3
EMS202 EMT Advanced I	5	OE 200 Open Elective	5
EMS203 EMT Advanced II	3	OE 200 Open Elective	3
COMMUNICATIONS (ENG)			
ENG095 Integrated College Reading & Writing	4	No Credit	*
ENG099 Writing Skills Workshop	2	No Credit	*
ENG111 Composition I	3	ENG141 Rhetoric & Introductory Research Writing	3
ENG112 Composition II	3	ENG142 Rhetoric & Academic Writing	3
ENG113 Speech	3	COM130 Introduction to Speech Communication	3
ENG210 Technical Communications	3	COM200 Communication Elective	3
ENG214 Discussion & Conference Method	3	COM200 Communication Elective	3
ENG217 Introduction to Creative Writing	3	ENG251 Creative Writing I	3

ENG223 Interpretation of Literature	3	ENG201 Introduction to Literature	3
ENG230 Children's Literature	3	ENG200 English Elective	3
ENG240 Introduction to Poetry	3	ENG253 Creative Writing III: Poetry	3
ENG241 Introduction to Fiction	3	ENG200 English Elective	3
ENG250 American Literature Through the Mid-19th Century	3	ENG293 American Literature I (Colonial to Civil War)	3
ENG251 American Literature Since Mid-19th Century	3	ENG294 American Literature II (Civil War to WWII)	3
ENG260 British Literature Through the 18th Century	3	ENG291 British Literature I (Old English - Restoration)	3
ENG261 British Literature 19th Century to Present	3	ENG292 British Literature II (Romanticism to WWII)	3
GEOGRAPHY (GEO)			
GEO110 World Geography	3	CUL100 Cultural Studies Elective	3
GEO210 Geography- U.S. & Canada	3	CUL200 Cultural Studies Elective	3
GENERAL STUDIES (GSD)			
GSD100 Success Seminar	1	No Credit	*
GSD120 Career and Life Planning	3	OE 100 Open Elective	3
HISTORY (HIS)			
HIS101 U.S. History Pre-1876	3	HIS111 American Society to 1865	3
HIS102 U.S. History Post-1876	3	HIS112 American Society since 1865	3
HIS203 U.S. Since 1945	3	HIS200 History Elective	3
HIS210 The Modern World	3	HIS200 History Elective	3
BEGINNING WESTERN/ENGLISH HORSEMANSHIP (HPF)			
HPF106 Beginning Western/English Horsemanship	1	OE 100 Open Elective	1
HPF107 Intermediate Rider	1	OE 100 Open Elective	1
HPF108 Advanced Rider	1	OE 100 Open Elective	1
HUMAN SERVICES (HST)			
HST101 Principles of Human Services	3	OE 100 Open Elective	3
HST105 Cultural Competence with Diverse Populations	3	OE 100 Open Elective	3
HST108 Principles of Developmental Disability	3	OE 100 Open Elective	3
HST112 Group Work in Human Services	3	OE 100 Open Elective	3
HIST208 Interviewing Techniques	3	OE 200 Open Elective	3
HST210 Human Services Methods	6	OE 200 Open Elective	6
HST212 Principles of Addiction	3	OE 200 Open Elective	3
HST214 Human Services Case Management	3	OE 200 Open Elective	3
HST222 Ethics in the Helping Profession	3	OE 200 Open Elective	3
HST240 Social Problems	3	OE 200 Open Elective	3
HST242 Marriage and Family	3	OE 200 Open Elective	3
HST280 Special Problems in I Human Services	1-6	OE 200 Open Elective	1-6
HST282 Special Problems Human Services III	6	OE 200 Open Elective	6
HST290 Practicum I	6	OE 200 Open Elective	6
HUMANITIES (HUM)			
HUM209 Humanities & Cultures: Ancient & Medieval Worlds	3	CUL200 Cultural Studies Elective	3
HUM210 Humanities & Cultures: Renaissance to Present	3	CUL200 Cultural Studies Elective	3

HUM221 Music Appreciation	3	MUS223 Music Appreciation	3
HUM230 Art Appreciation	3	ART210 Art Appreciation	3
INDUSTRY (IND)			
IND100 Precision Measurement	3	OE 100 Open Elective	3
IND103 Applied Geometry & Trigonometry	3	OE 100 Open Elective	3
IND105 Industrial Safety	2	OE 100 Open Elective	2
IND107 Print Reading and Sketching	3	OE 100 Open Elective	3
IND110 Industrial Computing I	3	OE 100 Open Elective	3
IND120 Industrial Electricity I	3	OE 100 Open Elective	3
IND121 Industrial Electricity II	3	OE 100 Open Elective	3
IND122 Industrial Wiring (NEC)	3	OE 100 Open Elective	3
IND130 Rigging and Erecting	2	OE 100 Open Elective	2
IND131 Industrial Pipefitting	3	OE 100 Open Elective	3
IND132 Bench Work	2	OE 100 Open Elective	2
IND134 Industrial Fluid Power I	3	OE 100 Open Elective	3
IND140 Principles of Machining	3	OE 100 Open Elective	3
IND141 Metallurgy & Heat Treatment	2	OE 100 Open Elective	2
IND220 Electrical Prints & Troubleshooting	3	OE 200 Open Elective	3
IND221 Instrumentation & Controls I	3	OE 200 Open Elective	3
IND223 Motors & Motor Controls	3	OE 200 Open Elective	3
IND232 Machine Repair	3	OE 200 Open Elective	3
IND234 Industrial Fluid Power II	3	OE 200 Open Elective	3
IND240 Machining Processes II	3	OE 200 Open Elective	3
IND241 Tooling & Fixtures-Lubricants & Coolants	3	OE 200 Open Elective	3
IND250 Capstone Project (CNC Operations)	3	OE 200 Open Elective	3
IND290 Industrial Tech Internship	1-4	OE 200 Open Elective	1-4
INDUSTRIAL TECHNOLOGY (INT)			
INT101 Metrics for Welding	1-4	OE 100 Open Elective	1-4
INT102 Welding Safety	1-4	OE 100 Open Elective	1-4
INT103 Welding Processes I	3	OE 100 Open Elective	3
INT104 Intro to Ironworking	1-4	OE 100 Open Elective	1-4
INT105 Pre-Casting Basics	3	OE 100 Open Elective	3
INT106 Reinforcing Basics	3	OE 100 Open Elective	3
INT120 HVACR I	3	OE 100 Open Elective	3
INT200 Welding Processes II	2	OE 200 Open Elective	2
INT201 Rigging	3	OE 200 Open Elective	3
INT202 Shielding Metal Arc Welding	2	OE 200 Open Elective	2
INT203 Shielded Metal Arc Welding	2	OE 200 Open Elective	2
INT204 Structural Welding	3	OE 200 Open Elective	3
INT210 FCAW & GMAW Welding	5	OE 200 Open Elective	5
INT212 Welding Fabrication	6	OE 200 Open Elective	6
INT213 Ornamental Welding I	5	OE 200 Open Elective	5
INT214 Ornamental Welding	4	OE 200 Open Elective	4
INT215 Welding Certification	3	OE 200 Open Elective	3
INT220 HVACRII	3	OE 200 Open Elective	3

INT221 HVAC III Heating Systems	3	OE 200 Open Elective	3
INT222 HVACR IV Advanced HVAC Control	3	OE 200 Open Elective	3
INT223 HVACR V Advanced Topics	3	OE 200 Open Elective	3
INT230 High Pressure Welding	3	OE 200 Open Elective	3
INDUSTRIAL TRAINING (ITR)			
ITR118 SPC Basics	1	OE 100 Open Elective	1
ITR119 Intro to GIBBS CAM	1	OE 100 Open Elective	1
ITR121 GIBBS CAM - Intermediate	1	OE 100 Open Elective	1
ITR132 Elec. Safe Work Practices	1	OE 100 Open Elective	1
ITR135 Principles and Theory of Mathematics	4	OE 100 Open Elective	4
ITR146 Industrial Hydraulics	2	OE 100 Open Elective	2
ITR147 FANUC Vision System	2	OE 100 Open Elective	2
ITR148 FANUC RJ3iB Elec Service	2	OE 100 Open Elective	2
IBEW (JAT)			
JAT100 Electrical Career Orientation	2	OE 100 Open Elective	2
JAT102 National Electrical Code I	2	OE 100 Open Elective	2
JAT103 Orientation Level II	1	OE 100 Open Elective	1
JAT104 Conduit Fabrication I	2	OE 100 Open Elective	2
JAT106 Conduit Fabrication II	2	OE 100 Open Elective	2
JAT108 DC Theory I	4	OE 100 Open Elective	4
JAT110 AC Theory I	3	OE 100 Open Elective	3
JAT112 Test Instruments	1	OE 100 Open Elective	1
JAT114 Transformers I	1	OE 100 Open Elective	1
JAT116 Electrical Safety I	2	OE 100 Open Elective	2
JAT118 Blueprints I	1	OE 100 Open Elective	1
JAT120 Codeology - NEC	3	OE 100 Open Elective	3
JAT122 National Electrical Code II	2	OE 100 Open Elective	2
JAT124 AC Theory II	3	OE 100 Open Elective	3
JAT126 National Electrical Code III	2	OE 100 Open Elective	2
JAT127 Lightning Protection I	1	OE 100 Open Elective	1
JAT128 Fire Alarms	1	OE 100 Open Elective	1
JAT129 Lighting Essentials I	1	OE 100 Open Elective	1
JAT130 Fiber Optics	2	OE 100 Open Elective	2
JAT131 Electrical Safety II	1	OE 100 Open Elective	1
JAT170 DC Theory II	3	OE 100 Open Elective	3
JAT172 Distributed Generation	1	OE 100 Open Elective	1
JAT174 Health Care Systems I	1	OE 100 Open Elective	1
JAT175 Health Care Systems II	1	OE 100 Open Elective	1
JAT176 Photovoltaics I	1	OE 100 Open Elective	1
JAT178 Hazardous Locations I	1	OE 100 Open Elective	1
JAT180 Motors II	2	OE 100 Open Elective	2
JAT182 Structured Cabling	1	OE 100 Open Elective	1
JAT183 Building Automation CDA	1	OE 100 Open Elective	1
JAT184 Installer/Tech CCTV I	2	OE 100 Open Elective	2
JAT185 Installer/Tech CCTV II	1	OE 100 Open Elective	1

JAT186 Installer/ Tech LAN I	2	OE 100 Open Elective	2
JAT188 Installer/Tech Sound Reinforcement	1	OE 100 Open Elective	1
JAT189 Installer/Tech RF Communications	1	OE 100 Open Elective	1
JAT190 Installer/Tech Telephony	1	OE 100 Open Elective	1
JAT200 Grounding and Bonding I	1	OE 200 Open Elective	1
JAT201 AC Theory III	1	OE 200 Open Elective	1
JAT202 Blueprints II	1	OE 200 Open Elective	1
JAT203 Electrical Safety III	1	OE 200 Open Elective	1
JAT204 Electrical Safety II	2	OE 200 Open Elective	2
JAT206 Transformers II	1	OE 200 Open Elective	1
JAT208 Blueprints III	1	OE 200 Open Elective	1
JAT210 Code Calculations I	1	OE 200 Open Elective	1
JAT212 Motor Control I	3	OE 200 Open Elective	3
JAT214 Motors I	2	OE 200 Open Elective	2
JAT216 Grounding and Bonding II	2	OE 200 Open Elective	2
JAT218 National Electrical Code IV	2	OE 200 Open Elective	2
JAT219 National Electrical Code V	1	OE 200 Open Elective	1
JAT220 Motor Control II	2	OE 200 Open Elective	2
JAT221 National Electrical Code VI	1	OE 200 Open Elective	1
JAT222 Rigging, Hoisting, and Signaling	1	OE 200 Open Elective	1
JAT224 Code Calculations	1	OE 200 Open Elective	1
JAT270 Transformers III	1	OE 200 Open Elective	1
JAT272 Motor Control III	1	OE 200 Open Elective	1
JAT274 Instrumentation	2	OE 200 Open Elective	2
JAT275 Instrumentation II	2	OE 200 Open Elective	2
JAT276 Programmable Logic Controllers	2	OE 200 Open Elective	2
JAT278 Electrical Project Supervision	1	OE 200 Open Elective	1
MEDICAL ASSISTING (MEA)			
MEA101 Medical Assisting Clinical I	3	OE 100 Open Elective	3
MEA105 Laboratory Techniques	3	OE 100 Open Elective	3
MEA108 Administrative Medical Office Procedure	3	OE 100 Open Elective	3
MEA110 Pharmacology for Allied Health Professional	3	OE 100 Open Elective	3
MEA200 Medical Assisting Administrative Externship	4	OE 200 Open Elective	4
MEA201 Medical Assisting Clinical II	3	OE 200 Open Elective	3
MEA202 Medical Assisting Clinical Externship/CMA Review	6	OE 200 Open Elective	6
MEA205 Disease Conditions	3	OE 200 Open Elective	3
MEA207 Phlebotomy Externship	6	OE 200 Open Elective	6
MEA229 Diagnostic and Procedural Coding	4	OE 200 Open Elective	4
MEA283 Computerized Medical Insurance	3	OE 200 Open Elective	3
MECHANICAL ENGINEERING TECHNOLOGIES (MET)			
MET099 Engineering Math	3.5	No Credit	*
MET100 Intro to Engineering Technology	2-3	OE 100 Open Elective	2-3
MET107 Engineering Graphics & Sketching	3	OE 100 Open Elective	3
MET121 Manufacturing Processes	3	OE 100 Open Elective	3
MET134 Engineering Materials	3	OE 100 Open Elective	3

MET222 Programming Computer Numerical Control	3	OE 200 Open Elective	3
MET223 CAM I	4	OE 200 Open Elective	4
MET234 Strength of Materials	3	OE 200 Open Elective	3
MET235 Statics	3	OE 200 Open Elective	3
MET255 Fluid Mechanics	3	OE 200 Open Elective	3
MET260 CAM II	3	OE 200 Open Elective	3
MET262 CAD/CAM Project	4	OE 200 Open Elective	4
MET265 Machine Design	3	OE 200 Open Elective	3
MET290 Engineering Technology Co-op/Internship	2-4	OE 200 Open Elective	2-4
MANAGEMENT (MGT)			
MGT110 Management	3	MGT100 Management Elective	3
MGT120 Supervision	3	MGT100 Management Elective	3
MGT121 Entrepreneurship I	3	MGT100 Management Elective	3
MGT210 Human Resource Management	3	MGT200 Management Elective	3
MGT221 Entrepreneurship II	3	MGT200 Management Elective	3
MGT230 Retail Management	3	MKT200 Marketing Elective	3
MGT280 Business Climate Analysis	3	MGT200 Management Elective	3
MGT290 Business Management Internship	1-3	OE 200 Open Elective or MGT200 Management Elective	1-3
MARKETING (MKT)			
MKT110 Marketing	3	MKT151 Introductory Marketing	3
MKT210 Advertising	3	MKT200 Marketing Elective	3
MKT230 Salesmanship	3	MKT200 Marketing Elective	3
MATHEMATICS (MTH)			
MTH050 Basic Mathematics	4	No Credit	*
MTH080 Review of Beginning Algebra	4	No Credit	*
MTH085 Math Literacy	3	No Credit	*
MTH090 Intermediate Algebra	3	No Credit	*
MTH099 Engineering Math	3.5	No Credit	*
MTH105 Quantitative Reasoning	3	MAT185 Quantitative Reasoning	3
MTH109 College Algebra	3	MAT181 College Algebra	3
MTH112 Trigonometry	3	MAT101 Mathematics Elective	3
MTH151 Mathematics Review for Calculus	1	OE 100 Open Elective	1
MTH170 Survey of Mathematics	3	MAT101 Mathematics Elective	3
MTH213 Calculus I	5	MAT281 Calculus I	5
MTH214 Calculus II	5	MAT285 Calculus II	5
ASSOCIATE DEGREE NURSING (NRS)			
NRS100 Nurse Aide Certificate	4	OE 100 Open Elective	4
NRS105 Math for Nurses	1	OE 100 Open Elective	1
NRS133 Cardiopulmonary Resuscitation	1	OE 100 Open Elective	1
NRS140 Professional Concept I	1	OE 100 Open Elective	1
NRS141 Health & Illness Concepts I	6	OE 100 Open Elective	6
NRS142 Professional Concepts II	1	OE 100 Open Elective	1
NRS143 Health & Illness Concepts II	7	OE 100 Open Elective	7

NRS144 Pharmacology	2	OE 100 Open Elective	2
NRS150 Concepts in End of Life Care	1	OE 100 Open Elective	1
NRS207 Nursing Care of the Family Throughout Pregnancy	2	OE 200 Open Elective	2
NRS208 Nursing Care of the Family with Children	2	OE 200 Open Elective	2
NRS209 Nursing Care During Childbearing and Childhood	3	OE 200 Open Elective	3
NRS213 Nursing Care of the Childbearing Family	3	OE 200 Open Elective	3
NRS214 Nursing Care of the Childbearing Family	3	OE 200 Open Elective	3
NRS215 Nursing Care of Clients Psychosocial Health Needs	5	OE 200 Open Elective	5
NRS216 Nursing Care of Clients Physiological Health Needs II	3	OE 200 Open Elective	3
NRS217 Nursing Care of Clients Physiological Health Needs III	5	OE 200 Open Elective	5
NRS218 Concepts in Management Groups of Clients	4	OE 200 Open Elective	4
NRS220 Special Problems in Nursing I	1-4	OE 200 Open Elective	1-4
NRS221 Special Problems in Nursing II	1-4	OE 200 Open Elective	1-4
NRS230 Transition to Professional Concepts in Nursing	2	OE 200 Open Elective	2
NRS231 Transition to Health & Illness Concepts II	5	OE 200 Open Elective	5
NRS240 Professional Concepts III	1	OE 200 Open Elective	1
NRS241 Health & Innless Concepts III	8	OE 200 Open Elective	8
NRS242 Professional Concepts IV	1	OE 200 Open Elective	1
NRS243 Health & Illness Concepts IV	8	OE 200 Open Elective	8
NRS298 Special Topics	1	OE 200 Open Elective	1
OFFICE ADMINISTRATIVE SERVICES (OAS)			
OAS090 Keyboarding Basics	1	No Credit	*
OAS101 Business Document Formatting & Skillbuilding	3	OE 100 Open Elective	3
OAS102 Adv Business Document Formatting & Skillbuilding	3	OE 100 Open Elective	3
OAS103 Office Accounting	3	OE 100 Open Elective	3
OAS104 Voice Recognition	1	OE 100 Open Elective	1
OAS105 Document Editing and Proofreading	2	OE 100 Open Elective	2
OAS110 Records Management	3	OE 100 Open Elective	3
OAS111 Electronic Health Records	3	OE 100 Open Elective	3
OAS160 Administrative Technology & Procedures	3	OE 100 Open Elective	3
OAS180 Medical Terminology	3	BIO150 Medical Terminology	3
OAS200 Speedbuilding	1	OE 200 Open Elective	1
OAS223 CCA Coding Exam Review	3	OE 200 Open Elective	3
OAS224 CCS Hospital Coding Exam Review	3	OE 200 Open Elective	3
OAS225 CCS-P Physician Office Code Exam	3	OE 200 Open Elective	3
OAS226 Home-Based Independent Medical Coder	3	OE 200 Open Elective	3
OAS229 Diagnostic and Procedural Coding	4	OE 200 Open Elective	4
OAS230 Transcription	3	OE 200 Open Elective	3
OAS249 Advanced Microsoft Suite	3	OE 200 Open Elective	3
OAS282 Medical Transcription	3	OE 200 Open Elective	3
OAS283 Computerized Medical Insurance	3	OE 200 Open Elective	3
OAS291 Internship I	1	OE 200 Open Elective	1
OAS292 Internship II	1	OE 200 Open Elective	1
PARALEGAL (PAR)			
PAR100 Introduction to Paralegal	3	OE 100 Open Elective	3

PAR101 Law Office Management	3	OE 100 Open Elective	3
PAR290 Paralegal Internship	3	OE 200 Open Elective	3
PLASTICS ENGINEERING TECHNOLOGY (PET)			
PET110 Principles of Plastics	4	OE 100 Open Elective	4
PET115 Plastics Processes I	4	OE 100 Open Elective	4
PET215 Plastics Processes II	4	OE 200 Open Elective	4
PET231 Plastic Material Testing	4	OE 200 Open Elective	4
PET240 Injection Mold Tooling	4	OE 200 Open Elective	4
PET250 Plastics Secondary Operations	4	OE 200 Open Elective	4
PHILOSOPHY, ETHICS, LOGIC, RELIGIONS (PHI)			
PHI110 Critical Thinking & Logic	3	PHI100 Philosophy Elective	3
PHI201 Introduction to Philosophy	3	PHI110 The Art of Reasoning	3
PHI210 Ethics	3	PHI215 Ethics	3
PHI230 World Religions	3	CUL220 Religions of the World	3
PHYSICS (PHY)			
PHY100 The World of Science	3	PHY100 Physics Elective	3
PHY101 Principles of Physical Science	4	PHY100 Physics Elective	4
PHY140 Astronomy	4	NAT100 Natural Science Elective	4
PHY150 Principles of Geology	4	NAT100 Natural Science Elective	4
PHY251 Physics: Mechanics & Heat	4	PHY211 General Physics I & Lab	3+1
PHY252 Physics: Electricity & Magnetism	4	PHY212 Physics II & Lab	3+1
PROGRAMMABLE LOGIC CONTROLLERS (PLC)			
PLC200 Programmable Controller I	3	OE 100 Open Elective	3
PLC210 Programmable Controller II (AB)	3	OE 100 Open Elective	3
PLC220 PLC III	3	OE 100 Open Elective	3
PLC230 Servo/Robotic Systems	3	OE 100 Open Elective	3
PRACTICAL NURSING PROGRAM (PNE)			
PNE105 Effect Communication Skills	1	OE 100 Open Elective	1
PNE110 Special Topics in PN	1-4	OE 100 Open Elective	1-4
PNE117 Pharmacology I	1.5	OE 100 Open Elective	1.5
PNE118 Pharmacology II	3	OE 100 Open Elective	3
PNE119 Pharmacology	1.5	OE 100 Open Elective	1.5
PNE120 Essentials of Practical Nursing	8	OE 100 Open Elective	8
PNE121 Nursing Care of the Mother and Newborn	2.5	OE 100 Open Elective	2.5
PNE122 Nursing Care of the Child	2.5	OE 100 Open Elective	2.5
PNE123 Nursing Care: Adults I	4.5	OE 100 Open Elective	4.5
PNE124 Nursing Care: Adults II	5.5	OE 100 Open Elective	5.5
PSYCHOLOGY (PSY)			
PSY110 General Psychology	3	PSY101 Introduction to Psychology	3
PSY210 Abnormal Psychology	3	PSY200 Psychology Elective	3
PSY220 Social Psychology	3	PSY200 Psychology Elective	3

PSY230 Human Growth & Development	3	PSY200 Psychology Elective	3
QUALITY CONTROL TECHNOLOGY (QCT)			
QCT100 Quality Concepts	3	OE 100 Open Elective	3
QCT131 Quality for Lean Management	3	OE 100 Open Elective	3
QCT141 Precision Measurement	3	OE 100 Open Elective	3
QCT142 Advanced Concepts of GD & T	3	OE 100 Open Elective	3
OCT243 Advanced Quality Improvement	3	OE 200 Open Elective	3
OCT250 Certified Quality Technician	3	OE 200 Open Elective	3
REAL ESTATE (REA)			
REA210 Real Estate Principles	3	OE 200 Open Elective	3
REA220 Real Estate Law	3	OE 200 Open Elective	3
REA230 Real Estate Finance	3	OE 200 Open Elective	3
REA240 Real Estate Appraisal	3	OE 200 Open Elective	3
RELATED TRADES INSTRUCTION (RTI)			
RTI102 Shop Algebra	2	OE 100 Open Elective	2
RTI103 Shop Geometry & Trigonometry	3	OE 100 Open Elective	3
RTI121 Shop Graphics - Blueprint Reading and Drafting	3	OE 100 Open Elective	3
RTI123 Electrical Print Reading	2	OE 100 Open Elective	2
RTI131 Industrial Safety	2	OE 100 Open Elective	2
RTI135 Construction Safety	1	OE 100 Open Elective	1
RTI141 Precision Measurement	2	OE 100 Open Elective	2
RTI142 Applied Statistical Method	2	OE 100 Open Elective	2
RTI143 Bench Work	2	OE 100 Open Elective	2
RTI144 Machine Repair	2	OE 100 Open Elective	2
RTI146 BISCI Apprentice Training	4	OE 100 Open Elective	4
RTI152 Programming of Numerically Controlled Machines	3	OE 100 Open Elective	3
RTI153 Residential: Writing I	4	OE 100 Open Elective	4
RTI154 Construction Electricity I	4	OE 100 Open Elective	4
RTI155 Residential: Wiring II	4	OE 100 Open Elective	4
RTI156 Construction Electricity II	4	OE 100 Open Elective	4
RTI157 NED Fundamentals	2	OE 100 Open Elective	2
RTI166 National Electric Code I	1	OE 100 Open Elective	1
RTI169 Transformer Connections	1	OE 100 Open Elective	1
RTI171 Industrial Electricity I	3	OE 100 Open Elective	3
RTI172 Industrial Wiring (NEC)	3	OE 100 Open Elective	3
RTI174 Electrical prints & Troubleshooting	3	OE 100 Open Elective	3
RTI178 Industrial Electricity C	1	OE 100 Open Elective	1
RTI179 Close Circuit TV	1	OE 100 Open Elective	1
RTI181 Applied Welding Techniques	3	OE 100 Open Elective	3
RTI182 Maintenance Electricity	3	OE 100 Open Elective	3
RTI183 Alarm Signaling and Low Voltage Circuits I	2	OE 100 Open Elective	2
RTI184 Alarm Signaling and Low Voltage Circuits II	2	OE 100 Open Elective	2
RTI185 Premises Cabling	2	OE 100 Open Elective	2
RTI188 Fire Alarms	1	OE 100 Open Elective	1

RTI191 Electrical Principles and Applications	3	OE 100 Open Elective	3
RTI194 Industrial Electricity II	3	OE 100 Open Elective	3
RTI201 Industrial Applied Physics	3	OE 200 Open Elective	3
RTI210 Residential Security/Communications	2	OE 200 Open Elective	2
RTI211 Residential: Installation/Code	2	OE 200 Open Elective	2
RTI212 Installer: Telephone & Security Systems	3	OE 200 Open Elective	3
RTI213 Residential & Commercial Electronics	3	OE 200 Open Elective	3
RTI214 Commercial Wiring/Print Reading	2	OE 200 Open Elective	2
RTI215 National Electrical Code II	3	OE 200 Open Elective	3
RTI216 National Electric Code III	2	OE 200 Open Elective	2
RTI217 National Electric Code IV	3	OE 200 Open Elective	3
RTI218 Residential: Distribution/Troubleshooting	4	OE 200 Open Elective	4
RTI220 Electrical Test Equipment	2	OE 200 Open Elective	2
RTI223 Rigging & Erecting	2	OE 200 Open Elective	2
RTI224 Descriptive Geometry	2	OE 200 Open Elective	2
RTI225 Geometric Dimensioning & Tolerancing	2	OE 200 Open Elective	2
TRI226 Jig & Fixture Design	2	OE 200 Open Elective	2
RTI227 Die Theory & Design Fundamentals	3	OE 200 Open Elective	3
RTI228 Patternmaking Fundamentals	3	OE 200 Open Elective	3
RTI231 Metallurgy & Heart Treatment	2	OE 200 Open Elective	2
RTI232 Lubricants & Coolants	2	OE 200 Open Elective	2
RTI233 Industrial Pipefitting	2	OE 200 Open Elective	2
RTI234 Hydraulics & Pneumatics	3	OE 200 Open Elective	3
RTI246 BISCI Installer Trainer II	4	OE 200 Open Elective	4
RTI265 Instrumentation & Controls I	3	OE 200 Open Elective	3
RTI276 Motors & Motor Controls	3	OE 200 Open Elective	3
RTI277 Industrial Electronics	3	OE 200 Open Elective	3
RTI282 Motor Control Systems: INT	2	OE 200 Open Elective	2
SUPPLY CHAIN MANAGEMENT (SCM)			
SCM200 Supply Chain Management	3	MGT221 Supply Chain Management	3
SCM210 Purchasing & Materials Management	3	MGT200 Management Elective	3
SCM220 Operations Management	3	MGT200 Management Elective	3
SCM230 Physical Distribution & Logistics	3	MGT200 Management Elective	3
SPANISH (SPN)			
SPN111 Spanish I	4	SPA101 Elementary Spanish I	4
SPN112 Spanish II	4	SPA102 Elementary Spanish II	4
SOCIAL SCIENCES (SSC)			
SSC101 Sociology	3	SOC101 Principles of Sociology	3
SSC120 American Government	3	POL101 Introduction to the American Political Process	3
SSC130 Comparative Government	3	POL100 Political Science Elective	3
SSC210 Cultural Diversity	3	CUL200 Cultural Studies Elective	3
STATISTICS (STA)			
STA120 Introduction to Statistics	3	MAT273 Applied Statistics I	3

STA222 Business Statistics	3	MAT273 Applied Statistics I	3
VISUAL COMMUNICATIONS (VCT)			
VCT103 Introduction to Visual Communication	3	DMD100 Digital Media & Design Elective	3
VCT111 Layout & Design	3	DMD100 Digital Media & Design Elective	3
VCT120 Vector Graphics	3	DMD100 Digital Media & Design Elective	3
VCT182 Photography	3	DMD134 Introduction to Digital Media	3
VCT204 Concepts of Visual Communication	3	DMD200 Digital Media & Design Elective	3
VCT210 Essentials of Social Media	3	DMD200 Digital Media & Design Elective	3
VCT261 3D Computer Modeling	3	DMD200 Digital Media & Design Elective	3
VCT266 Multimedia Production	3	DMD200 Digital Media & Design Elective	3
VCT268 Video Production	3	DMD200 Digital Media & Design Elective	3
VCT289 VCT Co-Op Experience	3	DMD200 Digital Media & Design Elective	3
WELDING TECHNOLOGY (WLD)			
WLD100 Blue Print & Weld Symbols	2	OE 100 Open Elective	2
WLD110 Introduction to Applied Welding Techniques	3	OE 100 Open Elective	3
WLD120 Gas Metal Arc Welding	3	OE 100 Open Elective	3
WLD130 Flat and Horizontal Shield Metal Arc	3	OE 100 Open Elective	3
WLD140 Gas Tungsten Are Welding	3	OE 100 Open Elective	3
WLD150 Advanced Gas Metal Arc Welding	3	OE 100 Open Elective	3
WLD210 Vertical & Overhead SMAW	3	OE 200 Open Elective	3
WLD220 Advanced Gas Tungsten Are Welding	3	OE 200 Open Elective	3
WLD230 Welding Fabrications & Layout	3	OE 200 Open Elective	3
WLD240 SMAW Plate Certification Procedures & Testing	3	OE 200 Open Elective	3
WLD250 Pipe Welding	3	OE 200 Open Elective	3
WLD260 Pre-Pipe Certification	3	OE 200 Open Elective	