

## Fall 2017 Billable Contact Hours

Course	Long Title	Minimum Credit Hours	Billable Contact Hours
ACCTG-110	Applied Office Accounting	3.0	3.00
ACCTG-151	Accounting Principles	4.0	4.00
ACCTG-152	Accounting Principles	4.0	4.00
ACCTG-201	Microcomputer Accounting I	3.0	3.00
ACCTG-205	Microcomputer Accounting II	3.0	3.00
ACCTG-220	Payroll Accounting	3.0	3.00
ACCTG-251	Intermediate Accounting I	4.0	4.00
ACCTG-252	Cost Accounting	4.0	4.00
ACCTG-254	Intermediate Accounting II	4.0	4.00
ACCTG-255	Introduction to Taxation	3.0	3.00
ADMN-101	Introduction to Today's Office	1.0	1.00
ADMN-102	Keyboarding	1.0	1.00
ADMN-104	Legal Specialty	3.0	3.00
ADMN-105	Medical Specialty	3.0	3.00
ADMN-106	Numeric Keypad	1.0	1.00
ADMN-119	Machine Transcription	3.0	3.00
ADMN-131	Beginning Keyboarding	3.0	3.00
ADMN-131B	Keyboarding Skills Enhancement	1.0	1.00
ADMN-135	Intermediate Keyboarding	3.0	3.00
ADMN-201	Integrated Office Software	4.0	4.00
ANTHR-152	Introduction to Cultural Anthropology	3.0	3.00
ANTHR-155	Introduction to Archaeology	3.0	3.00
ANTHR-165	Eastern North American Archaeology	3.0	3.00
ANTHR-175	Archaeological Field Methods	3.0	4.00
ART-151	Art Fundamentals	3.0	6.00
ART-155	Art Appreciation	3.0	3.00
ART-160	Two-Dimensional Design	3.0	6.00
ART-165	Illustration Techniques	3.0	6.00
ART-170	Life Drawing	3.0	6.00
ART-180	Drawing I	3.0	6.00
ART-181	Drawing II	3.0	6.00
ART-190	Painting I	3.0	6.00
ART-191	Painting II	3.0	6.00
ART-250	Watercolor Painting I	3.0	6.00
ART-251	Watercolor Painting II	3.0	6.00
ART-252	Studio Art	3.0	6.00
ART-270	Ceramics I	3.0	6.00
ART-271	Ceramics II	3.0	6.00
ART-272	Ceramics III	3.0	6.00
ART-273	Ceramics IV	3.0	6.00
ART-274	Studio Practices Ceramics	3.0	6.00
ART-280	Art History: Prehistoric to Gothic	3.0	3.00

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
ART-281	Art History: Renaissance to Baroque	3.0	3.00
ART-282	Art History:Neo-Classical/Early Modern	3.0	3.00
AST-101	Intro to Automotive Service	3.0	4.00
AST-102	Electrical Systems I	4.0	5.00
AST-103	Electrical Systems II	4.0	5.00
AST-105	Engine Theory	3.0	4.00
AST-120	Brake Systems	4.0	6.00
AST-125	Steering and Suspension	4.0	7.00
AST-130	Heating and Air Conditioning	4.0	7.00
AST-202	Engine Performance I	4.0	7.00
AST-203	Engine Performance II	4.0	7.00
AST-205	Engine Repair	5.0	8.00
AST-210	Manual Transmission and Driveline Repair	5.0	8.00
AST-211	Automatic Transmission Repair	5.0	8.00
AST-249	Cooperative Work Experience	3.0	6.00
ASTRN-151	Introduction to Astronomy	4.0	4.00
AUTO-101	Internal Combustion Engines	4.0	6.00
AUTO-102	Automotive Electricity	4.0	6.00
AUTO-103	Fuel & Emission Control Systems	4.0	6.00
AUTO-104	Automotive Ignition Systems	3.0	4.00
AUTO-105	Automotive Transmissions	3.0	4.00
AUTO-107	Automotive Chassis Units	4.0	6.00
AUTO-109	Welding for Automotive Technicians	3.0	4.00
AUTO-114	Auto Instrumentation and Testing	4.0	6.00
AUTO-201	Automotive Digital Electronics	3.0	4.00
BIOL-151	Biological Sciences I	4.0	6.00
BIOL-153	Biological Sciences II	4.0	6.00
BIOL-156	Introduction to Environmental Science	4.0	6.00
BIOL-251	Elements of Botany	4.0	6.00
BIOL-252	Elements of Zoology	4.0	6.00
BIOL-257	Anatomy & Physiology I	4.0	6.00
BIOL-258	Anatomy & Physiology II	4.0	6.00
BIOL-259	Introduction to Pathophysiology	4.0	4.00
BIOL-260	General Microbiology	4.0	6.00
BIOL-264	Fundamentals of Genetics	4.0	6.00
BMGT-160	Managing in the Digital Enterprise	3.0	3.00
BMGT-201	Principles of Management	3.0	3.00
BMGT-202	Business Communication in a Digital Age	3.0	3.00
BMGT-220	International Business	3.0	3.00
BMGT-251	Human Resource Management	4.0	4.00
BSLW-251	Business Law	4.0	4.00
BSMTH-101	Business Mathematics	3.0	3.00

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
BSMTH-141	Mathematics for Business and Finance	3.0	3.00
BUSAD-151	Introduction to Business	4.0	4.00
BUSAD-170	Small Business and Entrepreneurship	3.0	3.00
BUSAD-180	Entrepreneurship Capstone	3.0	3.00
CHEM-150	Fundamental Principles of Chemistry	4.0	6.00
CHEM-151	General College Chemistry I	4.0	6.00
CHEM-152	General College Chemistry II	4.0	6.00
CHEM-160	Fundamentals of Health-Science Chemistry	4.0	6.00
CHEM-251	Organic Chemistry I	4.0	6.00
CHEM-252	Organic Chemistry II	4.0	6.00
CIS-109	Spreadsheet Software	3.0	3.00
CIS-112	Database Software	3.0	3.00
CIS-118	Windows Operating System	1.0	1.00
CIS-123	PowerPoint Presentation Software	3.0	3.00
CIS-130	Intro to Computer Information Systems	3.0	3.00
CIS-132	Computer Programming Concepts	3.0	3.00
CIS-140	Help Desk Concepts	3.0	3.00
CIS-150	Computer Science I	4.0	4.00
CIS-152	Visual Basic Programming	3.0	3.00
CIS-153	Desktop App Development	3.0	3.00
CIS-155	Database Management Systems	3.0	3.00
CIS-167	Discrete Structures	4.0	4.00
CIS-170	Web Design for Non-Designers	3.0	3.00
CIS-172	Web Design Concepts	3.0	3.00
CIS-174	Dreamweaver Web Design	3.0	3.00
CIS-175	Android Programming	3.0	3.00
CIS-176	Web Animation	3.0	3.00
CIS-177	Markup Languages	4.0	4.00
CIS-178	Design Concepts	4.0	4.00
CIS-179	Web Script Programming	3.0	3.00
CIS-180	Graphic Design Concepts	3.0	3.00
CIS-182	Illustrator Graphics	3.0	3.00
CIS-184	PhotoShop Graphics	3.0	3.00
CIS-185	Web Graphics	3.0	3.00
CIS-186	Multimedia Development	3.0	3.00
CIS-187	Digital Video Editing	3.0	3.00
CIS-188	InDesign Desktop Publishing	3.0	3.00
CIS-189	3D Animation	3.0	3.00
CIS-205	System Analysis and Design	3.0	3.00
CIS-208	PC Operating Systems	3.0	3.00
CIS-209	Network Concepts	3.0	3.00
CIS-220	Hardware Maintenance	4.0	4.00

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
CIS-228	Linux Administration	3.0	3.00
CIS-230	Windows Server	3.0	3.00
CIS-234	Advanced Windows Server	4.0	4.00
CIS-250	Computer Science II	4.0	4.00
CIS-267	Beginning Game Programming	3.0	3.00
CIS-268	Assembly Language/Computer Architecture	4.0	4.00
CIS-272	Database Web Development	3.0	3.00
CIS-274	Database Web Development (.NET)	3.0	3.00
CIS-284	Advanced Photoshop Graphics	3.0	3.00
CNA-100	Certified Nurse Aide	6.0	10.00
COLL-145	College Skills	2.0	2.00
COMM-151	Introduction to Mass Media	3.0	3.00
COMM-181	Digital Media	3.0	3.00
CONM-100	Introduction to Design and Construction	3.0	4.00
CONM-101	Materials of Construction	3.0	4.00
CONM-102	Construction Practices	3.0	4.00
CONM-103	Residence Drafting	4.0	6.00
CONM-105	Mechanical Building Systems & Equipment	4.0	6.00
CONM-107	Surveying	3.0	4.00
CONM-110	Construction Blueprint Reading	3.0	4.00
CONM-120	Intro to AutoCAD for Architecture	3.0	4.00
CONM-160	Green Building and LEED Rating System	3.0	3.00
CONM-201	Site Planning and Development	3.0	3.00
CONM-202	Construction Safety	3.0	3.00
CONM-240	Const Planning & Scheduling W/Primavera	3.0	3.00
CONM-242	Construction Documents and Law	3.0	3.00
CONM-244	Construction Estimating	3.0	3.00
CONM-248	Case Studies in Construction Management	1.0	1.00
CRJ-154	Introduction to Criminal Justice	3.0	3.00
CRJ-156	Fundamentals of Criminal Investigation	3.0	3.00
CRJ-170	Introduction to Corrections	3.0	3.00
CRJ-251	Criminal Law	3.0	3.00
CRJ-252	Juvenile Delinquency	3.0	3.00
CRJ-255	Police Organization and Administration	3.0	3.00
CRJ-256	Police Operations	3.0	3.00
CSM-101A	Introduction to Culinary Arts	4.0	5.60
CSM-101B	Basic Restaurant Production	2.0	2.80
CSM-101C	Baking I	2.0	2.80
CSM-101D	Soups, Stocks, & Sauce Production	2.0	2.80
CSM-111	Food Sanitation	2.0	2.00
CSM-114	Nutrition	2.0	2.00
CSM-116A	Introduction to Buffet Preparation	4.0	5.60

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
CSM-116B	Beginning Pastries	2.0	2.80
CSM-116C	Baking II	2.0	2.80
CSM-116D	Institutional Food Preparation	2.0	2.80
CSM-119	Bar Management	1.0	1.00
CSM-201A	Introduction to Hospitality Industry	2.0	3.00
CSM-201B	Dining Room Procedures	1.0	1.50
CSM-201C	Menu Planning I	1.0	1.50
CSM-201E	a la Carte Food Preparation	3.0	4.50
CSM-207	Restaurant Management & Supervision	3.0	3.00
CSM-216A	Garde Manger	2.0	3.00
CSM-216B	Menu Planning II	1.0	1.50
CSM-216D	Advanced Buffet Preparation	3.0	4.50
CSM-216E	Contemporary Food Design & Architecture	2.0	3.00
CSM-219	Beverages in Food Service	2.0	2.00
DANCE-151	Ballet I	1.0	2.00
DANCE-152	Modern Dance I	1.0	2.00
DANCE-153	Jazz I	1.0	2.00
DANCE-155	Dance Improvisation I	1.0	2.00
DANCE-170	Dance Composition I	2.0	2.00
DANCE-219	Methods of Teaching Act & Fund Movements	2.0	2.00
DANCE-251	History of Dance	3.0	3.00
ECE-100	Foundations of Early Childhood Education	3.0	3.00
ECE-102	Child Growth and Development	3.0	3.00
ECE-104	Nutrition, Health & Safety for ECE	3.0	3.00
ECE-106	Observation and Assessment of Child Dev	3.0	3.00
ECE-108	The Care & Learning of Infants/Toddlers	4.0	4.00
ECE-110	Diverse Populations in Early Child Educ	3.0	3.00
ECE-200	The Care/Learn. of Preschool Child	4.0	4.00
ECE-202	The Care/Learning of School Age Children	4.0	4.00
ECE-204	Administration of a Child Care Program	3.0	3.00
ECE-206	Early Childhood Education Practicum	5.0	5.00
ECON-251	Principles of Macroeconomics	3.0	3.00
ECON-252	Principles of Microeconomics	3.0	3.00
EDUC-151	Exploring Teaching	3.0	3.00
EDUC-158	Art for Elementary Teachers	3.0	3.00
EDUC-165	Music for Classroom Teachers	3.0	3.00
ELEC-125	Fundamentals of Electricity	3.0	4.00
ELEC-129	AC/DC Motors and Controls	4.0	6.00
ELEC-130	Intro to Programmable Logic Controls	3.0	4.00
ELEC-132	Electronics I	4.0	6.00
ELEC-133	Circuit Analysis	4.0	6.00
ELEC-135	Digital Electronic Logic	4.0	6.00

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
ELEC-137	Microprocessors	4.0	6.00
ELEC-141	Industrial Automation & Process Control	3.0	4.00
ELEC-145	Data Acquisition and Instrumentation	4.0	6.00
ELEC-156	Introduction to Renewable Energy Systems	3.0	4.00
ELEC-157	Introduction to Solar Energy Systems	3.0	4.00
ELEC-158	Introduction to Wind Power	3.0	4.00
ELEC-200	Electronic & Electrical Troubleshooting	4.0	6.00
ELEC-211	Medium Voltage Power Distribution System	3.0	3.00
ELEC-214	National Electrical Code	2.0	2.00
ELEC-257	Applied Solar Photovoltaic Systems	3.0	4.00
ENGL-090	Basic Writing Skills	3.0	3.00
ENGL-101	Written & Oral Communication	3.0	3.00
ENGL-102	Business Writing	3.0	3.00
ENGL-151	English Composition I	3.0	3.00
ENGL-152	English Composition II	3.0	3.00
ENGL-155	Technical Writing	3.0	3.00
ENGL-240	African American Literature	3.0	3.00
ENGL-251	Introduction to Poetry and Drama	3.0	3.00
ENGL-252	Introduction to Short Story and Novel	3.0	3.00
ENGL-253	American Literature	3.0	3.00
ENGL-254	Advanced Composition	3.0	3.00
ENGL-255	Women's Writings	3.0	3.00
ENGL-256	Children's Literature	3.0	3.00
ENGL-260	Introduction to Shakespeare	3.0	3.00
ENGL-261	Introduction to Creative Writing	3.0	3.00
ENGL-266	Non-Western Literature	3.0	3.00
ENGL-267	British Lit:Anglo Saxon to 18th Century	3.0	3.00
ENGL-268	British Literature: Romantic to Modern	3.0	3.00
ESC-151	Earth Science	4.0	5.00
FREN-151	Elementary French I	4.0	4.00
FREN-152	Elementary French II	4.0	4.00
FREN-251	Second Year French I	4.0	4.00
FREN-252	Second Year French II	4.0	4.00
GEOG-151	Elements of Physical Geography	4.0	4.00
GEOG-152	World Regional Geography	3.0	3.00
GERMN-151	Elementary German I	4.0	4.00
GERMN-152	Elementary German II	4.0	4.00
GERMN-251	Second Year German I	4.0	4.00
GERMN-252	Second Year German II	4.0	4.00
HIST-151	Western Civilization to 1650	3.0	3.00
HIST-152	Western Civil/1650 to Present	3.0	3.00
HIST-153	History of Michigan	3.0	3.00

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
HIST-154	History of the U S, 1607-1877	3.0	3.00
HIST-155	History of US/1877-Present	3.0	3.00
HIST-158	World History to 1500	3.0	3.00
HIST-159	World History 1500 to Present	3.0	3.00
HIST-160	Civil War and Reconstruction	3.0	3.00
HIST-173	20th Century History and Civilization	3.0	3.00
HIST-255	History of East Asia	3.0	3.00
HIST-256	African-American History	3.0	3.00
HLTSC-110	Medical Terminology	2.0	2.00
HLTSC-120	Pharmacology	3.0	3.00
HLTSC-151	Princ of Nutr & Diet Therapy	3.0	3.00
HLTSC-158	Phlebotomy Basics	6.0	8.00
HLTSC-159	Phlebotomy II	4.0	9.00
HLTSC-160	Perspectives of Aging	3.0	3.00
HPE-150	Personal Health	2.0	2.00
HPE-151	First Aid and Safety	2.0	2.00
HPE-153	Mental Health	3.0	3.00
HPE-165	Karate	1.0	2.00
HPE-170	Exercise Walking	1.0	2.00
HPE-171	Jogging	1.0	2.00
HPE-173	Aerobics	1.0	2.00
HPE-174	Tae Kwon Do	1.0	2.00
HPE-175	Kickboxing	1.0	2.00
HPE-177	Weight Training	1.0	2.00
HPE-178	Weight Lifting	1.0	2.00
HPE-181	Volleyball	1.0	2.00
HPE-184	Basketball	1.0	2.00
HPE-185	Snowboarding	1.0	2.00
HPE-193	Snow Skiing	1.0	2.00
HPE-265	Intermediate Karate	1.0	2.00
HPE-285	Intermediate Snowboarding	1.0	2.00
HPE-293	Intermediate Snow Skiing	1.0	2.00
HUMAN-151	Introduction to Humanities	3.0	3.00
HUMAN-152	Exploring Creativity	3.0	3.00
HUMAN-250	Visual Media Literacy	3.0	3.00
HUMAN-256	Film & Amer Society:1920s to Early 1960	3.0	3.00
HUMAN-257	Film & Amer Society:1960s to Present	3.0	3.00
IAS-103	Information Security Principles	3.0	3.00
IAS-105	Computing and Social Responsibility	3.0	3.00
IAS-202	Risk Vulnerability Analysis	3.0	3.00
IAS-210	Advanced Networking Practices	3.0	3.00
IAS-213	Privacy and Technology	3.0	3.00

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
JOURN-161	Introduction to Journalism	3.0	3.00
JOURN-162	Journalism Workshop I	3.0	3.00
JOURN-251	Photojournalism	3.0	3.00
JOURN-261	Journalism Workshop II	3.0	3.00
JOURN-262	Journalism Workshop III	3.0	3.00
MATH-090	Basic Mathematics Skills	4.0	4.00
MATH-092	Beginning Algebra	4.0	4.00
MATH-119	Elementary Technical Mathematics	2.0	2.00
MATH-124	Technical Mathematics II	4.0	4.00
MATH-125	Mathematics for Allied Health	3.0	3.00
MATH-126	Mathematics for Business	3.0	3.00
MATH-151	Intermediate Algebra	4.0	4.00
MATH-154	Mathematics Explorations	4.0	4.00
MATH-156	Math for Elementary Teachers I	3.0	3.00
MATH-157	College Algebra	3.0	3.00
MATH-159	Trigonometry and Analytical Geometry	3.0	3.00
MATH-160	Math Applications in Engineering Techn	2.0	3.00
MATH-162	Introduction to Statistics	3.0	3.00
MATH-164	Precalculus	4.0	4.00
MATH-166	Math for Elementary Teachers II	3.0	3.00
MATH-171	Calculus I	4.0	4.00
MATH-172	Calculus II	4.0	4.00
MATH-251	Introduction to Linear Algebra	3.0	3.00
MATH-271	Calculus III	4.0	4.00
MATH-273	Introduction to Differential Equations	3.0	3.00
MATL-101	Industrial Materials	3.0	4.00
MATL-121	Nuclear Plant Materials	3.0	4.00
MATL-215	Metallurgy	3.0	4.00
MATL-225	Plastics and Ceramics	3.0	4.00
MCOM-201	Principles of Marketing	3.0	3.00
MDTC-109	Mechanical Blueprint Reading	2.0	2.00
MDTC-116	Plant Layout and Material Handling	3.0	3.00
MDTC-152	Descriptive Geometry	4.0	6.00
MDTC-160	Mechanical Drafting and CAD I	4.0	6.00
MDTC-161	Mechanical Drafting and CAD II	4.0	6.00
MDTC-224	CAD Applications-Mechanical	3.0	4.00
MDTC-226	Geometric Dimensioning and Tolerancing	3.0	3.00
MDTC-228	Introduction to SOLIDWORKS-CSWA	3.0	4.00
MDTC-232	Advanced SOLIDWORKS-CSWP	3.0	4.00
MDTC-236	Rapid Prototyping	4.0	6.00
MDTC-240	Tool and Die Design	4.0	6.00
MDTC-242	Mechanical Design Capstone Project	4.0	6.00



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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
MECH-102	Manufacturing Processes	4.0	6.00
MECH-103	Machining Basics & CNC	4.0	6.00
MECH-104	CNC II	3.0	4.00
MECH-105	CNC III	3.0	4.00
MECH-111	Introduction to Fluid Power	3.0	4.00
MECH-112	Pneumatics	3.0	4.00
MECH-116	Industrial Plumbing and Pipefitting	3.0	4.00
MECH-117	Basic Air Conditioning and Refrigeration	3.0	4.00
MECH-127	Advanced AC & Refrigeration & Refrig Cer	3.0	4.00
MECH-131	Introduction to Automated Manufacturing	3.0	4.00
MECH-134	Machine Tool Theory	2.0	2.00
MECH-201	CAD/CAM I	3.0	4.00
MECH-216	Industrial Plumbing & Pipefitting II	3.0	4.00
MECH-221	CAD/CAM II Solids	3.0	4.00
MECH-231	CAD/CAM III Toolpath	3.0	4.00
METC-100	Introduction to Engineering & Technology	3.0	3.00
METC-170	Introduction to Parametric CAD/CATIA	3.0	6.00
METC-172	Computer Aided Design UG/NX	4.0	6.00
METC-180	Statics	1.0	2.00
METC-208	Strength of Materials	3.0	3.00
METC-210	Computer Applications in Machine Design	4.0	6.00
METC-220	Statics & Strength of Materials	4.0	6.00
METC-234	Thermodynamics and Fluid Sciences	4.0	6.00
METC-270	Advanced Parametric CAD	3.0	4.00
MUSIC-150	Agora Chorale	1.0	3.00
MUSIC-151	Agora Chorale	1.0	3.00
MUSIC-152	Voice Class	2.0	2.00
MUSIC-154	College-Community Symphony Band	1.0	3.00
MUSIC-155	College-Community Symphony Band	1.0	3.00
MUSIC-157	Listening to Classical Music	2.0	2.00
MUSIC-161I	Applied Music Instrument	1.0	1.00
MUSIC-161V	Applied Music Voice	1.0	1.00
MUSIC-162I	Applied Music Instrument	1.0	1.00
MUSIC-162V	Applied Music Voice	1.0	1.00
MUSIC-170	Introduction to Music Theory I	3.0	3.00
MUSIC-250	Agora Chorale	1.0	3.00
MUSIC-251	Agora Chorale	1.0	3.00
MUSIC-252	Voice Class	2.0	2.00
MUSIC-254	College-Community Symphony Band	1.0	3.00
MUSIC-255	College-Community Symphony Band	1.0	3.00
MUSIC-261I	Applied Music Instrument	1.0	1.00
MUSIC-261V	Applied Music Voice	1.0	1.00

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Course	Long Title	Minimum Credit Hours	Billable Contact Hours
MUSIC-262I	Applied Music Instrument	1.0	1.00
MUSIC-262V	Applied Music Voice	1.0	1.00
MUSIC-265	History and Appreciation of Jazz	3.0	3.00
MUSIC-266	History of Rock Music	3.0	3.00
MUSIC-268	Popular Music in America	3.0	3.00
NUET-100	Nuclear Industry Fundamentals	2.0	3.00
NUET-102	Introduction to Non-Destructive Testing	3.0	3.00
NUET-103	Liquid Penetrant/Magnetic Particle Test	2.0	3.00
NUET-104	Visual Testing	2.0	3.00
NUET-105	Radiography-Level 1	2.0	3.00
NUET-106	Radiography-Level 2	2.0	3.00
NUET-107	Ultrasonic Testing-Level 1	2.0	3.00
NUET-108	Ultrasonic-Level 2	2.0	3.00
NUET-120	Radiation Protection	3.0	4.00
NUET-130	Plant Systems I	3.0	4.00
NUET-205	Nuclear Plant Experience	2.0	3.00
NUET-220	Power Plant Components	3.0	4.00
NUET-230	Plant Systems 2	3.0	4.00
NUET-240	Reactor Theory, Safety and Design	3.0	4.00
NURS-100	Nursing Student Success Course	1.0	1.00
NURS-103	Fundamental Nursing Care	9.0	15.00
NURS-105	Medical Surgical Nursing Care I	5.0	9.50
NURS-110	Mental Health Nursing Care	3.5	6.00
NURS-204	Obstetrical Nursing Care	4.0	7.00
NURS-205	Pediatric Nursing Care	3.5	6.00
NURS-208	Medical Surgical Nursing Care II	8.5	14.00
NURS-208A	Med Surg Nursing Care II Bridge Course	0.5	0.50
NURS-210	Nursing Leadership and Management	3.0	3.00
NURS-212	Nursing Practicum	2.5	7.00
ONL-001	Online Course Orientation	0.0	0.00
PHIL-151	Introduction to Logic	3.0	3.00
PHIL-152	Intro to Western Philosophy	3.0	3.00
PHIL-253	Intro to the Philosophy of Religion	3.0	3.00
PHIL-254	Introduction to Medical Ethics	3.0	3.00
PHY-101	Technical Physics	4.0	5.00
PHY-151	General Physics I	4.0	6.00
PHY-152	General Physics II	4.0	6.00
PHY-251	Engineering Physics I	5.0	7.00
PHY-252	Engineering Physics II	5.0	7.00
PHYSC-151	Physical Science	4.0	5.00
PNRN-100	LPN Transition to RN Practice/Lpn Transition to Rn Practice	3.0	4.00
PNRN-110	Mental Health Nursing Care for the LPN	3.5	6.00

## Fall 2017 Billable Contact Hours

Course	Long Title	Minimum Credit Hours	Billable Contact Hours
PNUR-100	PN Student Nurse Success	1.0	1.00
PNUR-121	Fundamentals of Practical Nursing	9.0	17.00
PNUR-123	Mental Health Concepts in Practical Nurs	2.0	2.00
PNUR-124	Practical Nursing Care of Adults I	6.5	12.00
PNUR-125	Practical Nurs Care of Pediatric Clients	3.0	5.00
PNUR-126	Practical Nursing Care of Obstet Clients	2.0	3.50
PNUR-127	Practical Nursing Care of Adults II	5.0	9.00
PNUR-128	Issues in Practical Nursing	2.0	2.00
PNUR-129	Management Concepts for the Pract Nurse	3.0	8.50
PNUR-130	Maternal & Child Care for PN	4.0	6.50
POLSC-150	Global Studies Orientation	1.0	1.00
POLSC-151	Introduction to Political Science	3.0	3.00
POLSC-211	Introduction to Comparative Politics	3.0	3.00
POLSC-221	State and Local Government	3.0	3.00
POLSC-252	International Relations	3.0	3.00
PSYCH-151	General Psychology	3.0	3.00
PSYCH-152	Psychology of Personality/Adjustment	3.0	3.00
PSYCH-251	Child Psychology	3.0	3.00
PSYCH-253	Social Psychology	3.0	3.00
PSYCH-254	Life Span Psychology	3.0	3.00
PSYCH-257	Psychology of Human Sexuality	3.0	3.00
PSYCH-258	Abnormal Psychology	3.0	3.00
QSTC-105	SPC Basics	1.0	1.00
QSTC-111	Quality Management	3.0	3.00
QSTC-115	Statistical Process Control	3.0	3.00
QSTC-120	Introduction to Quality Systems	3.0	3.00
QSTC-150	Introduction to Metrology	3.0	4.00
QSTC-160	Team Problem Solving	3.0	3.00
QSTC-210	Advanced Metrology	3.0	4.00
QSTC-220	Calibration and Gage R & R	3.0	4.00
QSTC-230	Documentation & Audit Prep	3.0	3.00
RDG-090	Basic Reading Skills	3.0	3.00
RTH-100	Respiratory Care Techniques I	6.5	9.00
RTH-102	Pharmacology for Respiratory Therapists	2.0	2.00
RTH-104	Cardiopulmonary Assessment	3.0	3.00
RTH-110	Respiratory Care Techniques II	5.0	7.00
RTH-111	Respiratory Care Clinical Practice I	4.5	14.00
RTH-116	Cardiopulmonary Pathophysiology	4.0	4.00
RTH-120	Respiratory Care Techniques III	4.0	6.00
RTH-121	Respiratory Care Clinical Practice II	2.0	6.00
RTH-211	Respiratory Care Clinical Practice III	4.5	14.00
RTH-212	Adv Cardiopulmonary Anatomy & Physiology	4.0	4.00

## Fall 2017 Billable Contact Hours

Course	Long Title	Minimum Credit Hours	Billable Contact Hours
RTH-214	Adult Critical Care Management	3.0	4.00
RTH-216	Neonatal/Pediatric Management	2.0	3.00
RTH-221	Respiratory Care Clinical Practice IV	4.0	13.00
RTH-222	Respiratory Care Seminar	2.0	2.00
RTH-226	Respiratory Care Techniques IV	2.0	3.00
SOC-151	Principles of Sociology	3.0	3.00
SOC-152	Marriage & Family	3.0	3.00
SOC-153	Women in Society	3.0	3.00
SOC-160	Social Gerontology	3.0	3.00
SOC-161	Death, Loss and Grief	3.0	3.00
SOC-251	Modern Social Problems	3.0	3.00
SPAN-151	Elementary Spanish I	4.0	4.00
SPAN-152	Elementary Spanish II	4.0	4.00
SPAN-251	Second Year Spanish I	4.0	4.00
SPAN-252	Second Year Spanish II	4.0	4.00
SPCH-151	Communication Fundamentals	3.0	3.00
SPCH-152	Public Speaking	3.0	3.00
SPCH-155	Interpersonal Communication	3.0	3.00
SPCH-255	Nonverbal Communication	3.0	3.00
SWK-106	Child Welfare	3.0	3.00
SWK-151	Introduction to Social Services	3.0	3.00
THEA-151	Introduction to Theater	3.0	3.00
THEA-152	Directing/Production Tech	3.0	3.00
THEA-153	Readers' Theater	3.0	3.00
THEA-161	Theater Workshop	3.0	3.00
THEA-251	Fundamentals of Acting	3.0	3.00
WELD-100	Introduction to Welding Processes	4.0	6.00
WELD-101A	Introduction to GMAW	2.0	3.00
WELD-101B	Basic SMAW	2.0	3.00
WELD-101C	Arc Applications	2.0	3.00
WELD-102	Advanced SMAW	6.0	8.00
WELD-102A	Multi-Pass Arc Welding	2.0	3.00
WELD-102B	Code Welding Techniques	2.0	3.00
WELD-102C	Multi-Pass Pipe Fillet Welding	2.0	3.00
WELD-103	Weldment Evaluation and Testing	3.0	4.00
WELD-104A	Introduction to GTAW	2.0	3.00
WELD-104B	Introduction to GMAW	2.0	3.00
WELD-104C	GTAW-Stainless Steel	2.0	3.00
WELD-104D	GTAW-Aluminum	2.0	3.00
WELD-105	Welding Metallurgy	3.0	4.00
WELD-106	Basic Pipe Welding	6.0	8.00
WELD-106A	Pre-Pipe Welding Skills	2.0	3.00

## Fall 2017 Billable Contact Hours

<b>Course</b>	<b>Long Title</b>	<b>Minimum Credit Hours</b>	<b>Billable Contact Hours</b>
WELD-106B	SMAW Pipe Welding--Uphill	2.0	3.00
WELD-106C	SMAW Pipe Welding--Downhill	2.0	3.00
WELD-110	Welding Symbols and Blueprint Reading	2.0	2.00
WELD-114	GMAW and GTAW Applications	6.0	8.00
WELD-115	Entry Level Welding	12.0	16.67
WELD-215	Advanced Level Welding	12.0	16.67
WELD-216	Basic Pipefitting	4.0	6.00
WELD-240	AWS Qualification/Cert-Entry Level	4.0	6.00
WELD-250	AWS Qualification/Certification-Adv Lvl	4.0	6.00
WPR-102	Word Processing I	3.0	3.00
WPR-103	Advanced Word Processing	3.0	3.00