Career Skills (Resume) List

ACCT 2301 – Principles of Financial Accounting

- Recorded and classified financial entries in accordance with U.S. GAAP, including adjusting and closing entries.
- Prepared income statements, balance sheets, statement of cash flows, and shareholders' equity statements.
- Analyzed and interpreted financial statements using established financial analysis techniques.
- Evaluated inventory cost flow methods, accrual vs. cash accounting, and reporting methodologies.

ACCT 2302 – Managerial Accounting

- Prepared and maintained accounting data for product costing, cost behavior, and budgeting decisions.
- Developed operating budgets and analyzed relationships among components.
- Applied standard costing and analyzed variances in materials, labor, and overhead.

ACNT 1303 – Introduction to Accounting I

- Recorded and classified financial transactions using manual and computerized systems (QuickBooks Online).
- Completed full accounting cycles including journal entries, reconciliations, and financial statements.
- Performed bank reconciliations to ensure financial accuracy.

ACNT 1311 – Introduction to Computerized Accounting

- Maintained accounting records using QuickBooks Online cloud-based platforms.
- Generated financial reports and automated accounting processes.
- Prepared forecasts and reconciled payroll submissions.

ACNT 1329 – Payroll and Business Tax Accounting

- Processed payroll and calculated tax withholdings in compliance with regulations.
- Prepared payroll reports and maintained compensation records.
- Applied federal and state tax reporting requirements.

ARTS 1301 – Art Appreciation

- Applied visual literacy to interpret images, media, and design.
- Evaluated meaning, context, and artistic intent using critical analysis.
- Communicated complex ideas through written and oral discussion.
- Demonstrated cultural awareness and global perspective.

ARTS 1303 – Art History I

- Conducted research and synthesized historical sources to analyze art movements.
- Produced structured analytical writing using evidence-based arguments.
- Interpreted historical context and cultural influences in artistic works.
- Demonstrated strong documentation and citation practices.

ARTS 1304 – Art History II

- Analyzed art within broader historical and cultural frameworks.
- Conducted research and produced structured academic writing.
- Synthesized sources and historical data for interpretation.
- Applied critical reading and argument development skills.

ARTS 1311 – Design I

- Applied creative problem-solving and design-thinking methodologies.

- Executed projects from concept to final product.
- Used tools and materials with technical precision.
- Incorporated feedback to refine and improve designs.

ARTS 1312 – Design II
- Developed advanced design strategies and project execution skills.
- Demonstrated adaptability and iteration in creative processes.
- Applied technical and conceptual design principles.
- Managed time and project deliverables effectively.

ARTS 1316 – Drawing I
- Developed observational drawing skills and visual accuracy.
- Applied technical drawing methods and composition techniques.
- Demonstrated sustained focus and attention to detail.
- Incorporated critique and refinement into artistic work.

ARTS 1317 – Drawing II
- Applied advanced drawing techniques and composition strategies.
- Demonstrated conceptual development and creative exploration.
- Integrated feedback and iterative improvement.
- Executed projects demonstrating technical and artistic growth.

ARTS 2316 – Painting I
- Applied color theory and composition in painting projects.
- Demonstrated technical proficiency in painting methods.
- Developed original creative concepts.
- Managed long-term artistic projects from concept to completion.

ARTS 2346 – Ceramics I
- Created three-dimensional works using various materials and tools.
- Applied spatial reasoning and design principles.
- Demonstrated safe and effective studio practices.
- Developed creative problem-solving through sculptural design.

BCIS 1305 – Business Computer Applications
- Created professional documents, reports, and presentations using Microsoft Office Suite.
- Analyzed and organized data to support business decisions.
- Demonstrated critical thinking through integrated application projects.
- Managed individual and team-based projects effectively.

BIOL 1308, 1408 – Biology for Non-Science Majors I
- Applied biological concepts to evaluate health, environmental, and societal issues using scientific reasoning.
- Interpreted scientific data, graphs, and evidence to support informed decision-making.
- Communicated biological concepts and evidence-based conclusions through written and verbal communication.
- Evaluated ethical, environmental, and public policy issues using principles of biological science.

BIOL 1309, 1409 – Biology for Non-Science Majors II
- Applied biological concepts to evaluate health, environmental, and societal issues using scientific reasoning.
- Interpreted scientific data, graphs, and evidence to support informed decision-making.

- Communicated biological concepts and evidence-based conclusions through written and verbal communication.
- Evaluated ethical, environmental, and public policy issues using principles of biological science.

BIOL 1322 – Nutrition and Diet Therapy
- Evaluated Dietary Reference Intakes and body composition to assess health.
- Analyzed the role of nutrients in disease prevention and management.
- Translated complex metabolic processes into dietary recommendations.
- Interpreted nutrition labels and dietary guidelines.

BIOL 1406 – Biology for Science Majors I
- Analyzed biological data and experimental results using scientific reasoning.
- Applied concepts of cells, metabolism, and genetics to problem-solving.
- Communicated scientific findings using appropriate terminology.
- Applied quantitative reasoning in lab analysis.

BIOL 1407 – Biology for Science Majors II
- Applied systems thinking to ecological and biological relationships.
- Analyzed evolution and natural selection processes.
- Interpreted population models and ecological data.
- Communicated biological concepts in structured written form.

BIOL 2401 – Anatomy & Physiology I
- Applied knowledge of human anatomical structures and physiological systems.
- Conducted dissections, microscopy, and lab-based analysis.
- Used anatomical terminology for professional communication.
- Utilized advanced imaging technologies (Anatomage, X-ray).

BIOL 2402 – Anatomy & Physiology II
- Demonstrated understanding of body system interactions and homeostasis.
- Applied critical thinking to physiological mechanisms.
- Used advanced visualization tools to analyze anatomical structures.

BIOL 2404 – Introduction to Anatomy & Physiology
- Applied foundational knowledge of human anatomy and physiology to analyze body systems and homeostasis.
- Demonstrated critical thinking to evaluate physiological processes and solve biological problems.
- Applied scientific reasoning to interpret anatomical relationships and functional interactions.
- Demonstrated professionalism, adaptability, teamwork, and analytical skills in laboratory and classroom settings.

BIOL 2420 – Microbiology
- Applied aseptic techniques to culture and identify microorganisms.
- Performed staining and biochemical testing for microbial analysis.
- Interpreted laboratory data to differentiate pathogens.
- Maintained strict biosafety and documentation standards.

BMGT 1307 – Team Building
- Applied collaboration and conflict-resolution strategies to improve team performance.
- Demonstrated leadership and interpersonal communication skills.
- Evaluated team dynamics and delivered group presentations.

BMGT 1309 – Information & Project Management

- Developed project schedules using critical path methods.
- Coordinated timelines, budgets, and deliverables.
- Produced professional reports and tracked project progress.
- Applied structured project management methodologies.

BMGT 1327 – Principles of Management

- Applied management theories to leadership and organizational planning.
- Analyzed organizational structures and operational strategies.
- Conducted research and presented findings on business practices.
- Demonstrated leadership and supervisory skills.

BMGT 1341 – Business Ethics

- Evaluated ethical dilemmas using structured frameworks.
- Applied corporate social responsibility principles.
- Analyzed legal and ethical implications of decisions.

BMGT 2303 – Problem Solving & Decision Making

- Applied logical and creative problem-solving models.
- Evaluated alternatives to recommend effective solutions.
- Communicated strategic decisions through reports and presentations.

BUSG 1303 – Principles of Finance

- Applied financial principles, including cash flow analysis, credit management, and the time value of money, to support business decision-making.
- Evaluated financial information to assess organizational performance and long-term sustainability.
- Applied quantitative reasoning to analyze financial risks, investments, and resource allocation.
- Interpreted financial data to support strategic planning and organizational success.

BUSG 1307 – Entrepreneurship

- Developed startup strategies and business plans.
- Evaluated market opportunities and feasibility.
- Applied entrepreneurial decision-making frameworks.

BUSI 1301 – Business Principles

- Analyzed business operations across management and finance.
- Developed comprehensive business plans including financial projections.
- Applied leadership and ethical decision-making skills.

BUSI 2301 – Business Law

- Applied legal principles related to contracts and liability.
- Analyzed legal risks and dispute resolution.
- Evaluated ethical and regulatory compliance issues.

BUSI 2305 – Business Statistics

- Applied statistical analysis and probability concepts.
- Used software tools to analyze datasets and interpret results.
- Developed data-driven recommendations.

CETT 1302 – Electricity Principles

- Applied AC/DC circuit analysis using Ohm’s Law.
- Used multimeters for diagnostics and testing.
- Maintained adherence to electrical safety practices.

CETT 1325 – Digital Fundamentals

- Interpreted wiring diagrams and circuit documentation.
- Built and configured digital circuits.
- Applied Boolean logic and gate theory.

CETT 1329 – Solid State Devices

- Constructed, tested, and troubleshot solid-state electronic circuits and power supply systems.
- Applied transistor theory in switching and amplification applications.
- Designed and analyzed solid-state amplifier circuits using industry-standard diagnostic techniques.
- Applied systematic troubleshooting methods to evaluate electronic system performance.

CETT 1349 – Digital Systems

- Designed and implemented digital systems.
- Troubleshot and analyzed system operations.
- Interpreted vendor technical documentation.

CETT 2339 – Amplifier Analysis

- Analyzed multistage amplifier circuits to identify faults and improve system performance.
- Applied amplifier design principles including gain, biasing, and signal conditioning.
- Utilized diagnostic techniques to troubleshoot complex electronic systems.
- Interpreted electronic circuit behavior to support industrial instrumentation and control applications.

CHEM 1406 – Introductory Chemistry

- Applied chemical principles and quantitative reasoning to analyze matter and chemical reactions.
- Performed laboratory procedures using appropriate safety protocols and precision equipment.
- Interpreted laboratory data using mathematical calculations and scientific analysis.
- Applied scientific problem-solving techniques to health, environmental, and industrial applications.

CHEM 1411 – General Chemistry I

- Applied principles of atomic structure, chemical bonding, and stoichiometry to solve quantitative chemical problems.
- Performed laboratory experiments using analytical instrumentation and established safety procedures.
- Interpreted experimental data through scientific analysis and evidence-based reasoning.
- Applied mathematical and critical thinking skills to evaluate chemical systems.

CHEM 1412 – General Chemistry II

- Applied principles of chemical equilibrium, thermodynamics, kinetics, and electrochemistry to analyze chemical processes.
- Utilized analytical instrumentation to collect, evaluate, and interpret laboratory data.
- Applied quantitative reasoning to solve complex chemical calculations.
- Demonstrated laboratory safety and technical proficiency using industry-standard equipment.

CHEM 2123 – Organic Chemistry I Laboratory

- Performed organic laboratory techniques including extraction, purification, crystallization, and chromatography.
- Applied laboratory safety procedures while operating specialized chemical equipment.
- Analyzed experimental results using spectroscopic and analytical techniques.
- Maintained accurate laboratory documentation and interpreted experimental findings.

CHEM 2125 – Organic Chemistry II Laboratory

- Applied advanced organic laboratory techniques including reflux, purification, and compound synthesis.
- Utilized NMR, IR spectroscopy, and other analytical methods to evaluate reaction products.

- Interpreted laboratory data to assess reaction efficiency and compound identification.
- Demonstrated precision, laboratory safety, and technical proficiency throughout experimental procedures.

CHEM 2323 – Organic Chemistry I
- Analyzed molecular structure, bonding, and reaction mechanisms using three-dimensional spatial reasoning.
- Applied organic chemistry principles to predict chemical reactions and synthesis pathways.
- Interpreted spectroscopic and structural data to identify organic compounds.
- Applied critical thinking to evaluate chemical behavior in biological and industrial systems.

CHEM 2325 – Organic Chemistry II
- Applied advanced organic reaction mechanisms to analyze complex molecular synthesis.
- Evaluated chemical transformations using mechanistic and structural analysis.
- Interpreted spectroscopic data to characterize organic compounds.
- Applied scientific reasoning to solve advanced organic chemistry problems.

COSC 1301 – Intro to Computing
- Analyzed computing systems including hardware and software.
- Created documents, spreadsheets, and databases.
- Applied basic security and ethical computing practices.

COSC 1315 – Introduction to Programming
- Designed algorithms using pseudocode and flowcharts.
- Created, tested, and debugged structured programs.
- Applied modular programming techniques and documentation practices.
- Demonstrated strong analytical and problem-solving skills.

COSC 1436 – Programming Fundamentals I
- Developed structured programs using control structures and arrays.
- Designed algorithms using logical problem-solving techniques.
- Tested and debugged software applications.
- Applied data processing and manipulation methods.

COSC 1437 – Programming Fundamentals II
- Developed object-oriented programs using advanced programming concepts.
- Applied software development lifecycle methodologies.
- Used debugging tools to resolve complex errors.
- Implemented advanced data structures and algorithms.

CRIJ 1301 – Introduction to Criminal Justice
- Analyzed the structure and function of the criminal justice system.
- Evaluated case flow from investigation through corrections.
- Applied ethical reasoning and professional judgment.

CRIJ 1306 – Court Systems & Practices
- Analyzed the structure, functions, and jurisdiction of federal, state, and local court systems.
- Applied legal principles to evaluate court procedures, case law, and judicial decision-making.
- Interpreted constitutional, statutory, and procedural law affecting criminal justice operations.
- Applied critical thinking to evaluate legal issues while demonstrating ethical and professional judgment.

CRIJ 1310 – Fundamentals of Criminal Law
- Analyzed criminal offenses and classifications.

- Applied legal reasoning to case scenarios.
- Evaluated defenses and legal justifications.
- Interpreted statutes and legal documentation.

CRIJ 2313 – Correctional Systems & Practices
- Analyzed the structure and operation of correctional institutions, including jails, prisons, probation, and parole.
- Applied legal and ethical principles to evaluate inmate rights, institutional policies, and correctional practices.
- Evaluated rehabilitation strategies, offender management, and recidivism reduction initiatives.
- Applied critical thinking to analyze correctional case studies and institutional decision-making.

CRIJ 2314 – Correctional Systems & Practices
- Evaluated correctional policies, offender management strategies, and institutional operations.
- Applied ethical reasoning to balance institutional security, inmate rights, and professional responsibilities.
- Analyzed rehabilitation, community supervision, and reentry programs using evidence-based practices.
- Interpreted correctional policies, reports, and procedures to support informed decision-making.

CRIJ 2328 – Police Systems & Practices
- Analyzed the organization and functions of local, state, and federal law enforcement agencies.
- Evaluated policing strategies, public safety initiatives, and community-oriented policing practices.
- Applied ethical reasoning to issues involving professional accountability, discretion, and use of authority.
- Analyzed law enforcement case studies to evaluate operational effectiveness and community impact.

DAAC 1317 – Basic Counseling Skills
- Applied counseling techniques in individual and group settings.
- Practiced communication strategies to support clients.
- Demonstrated problem-management and facilitation skills.

DFTG 1325 – Blueprint Reading and Sketching
- Interpreted engineering drawings and technical blueprints to determine dimensions, materials, and specifications.
- Produced multi-view sketches using industry drafting standards.
- Applied spatial reasoning to translate designs into fabrication planning.

DRAM 1310 – Theater Appreciation
- Analyzed theatrical productions through the study of dramatic literature, performance, design, and production techniques.
- Evaluated the historical and cultural influence of theater across diverse artistic traditions.
- Applied critical thinking to interpret dramatic works and performance elements.
- Communicated informed analyses using appropriate theatrical terminology and professional presentation skills.

ECON 2301 – Macroeconomics
- Analyzed GDP, inflation, and unemployment trends.
- Evaluated fiscal and monetary policies.
- Applied macroeconomic models to real-world conditions.

ECON 2302 – Microeconomics
- Analyzed supply and demand and consumer behavior.
- Applied marginal decision-making concepts.

- Evaluated firm behavior and market dynamics.

EDUC 1300 – Learning Frameworks
- Applied research-based learning theories to improve academic and professional performance.
- Evaluated personal strengths and weaknesses using self-assessment tools.
- Demonstrated goal setting, time management, and self-regulation strategies.
- Applied cognitive and behavioral strategies to enhance productivity and adaptability.
- Strengthened critical thinking through reflection and performance analysis.

EDUC 1301 – Introduction to Education
- Analyzed educational systems and instructional strategies.
- Demonstrated cultural awareness in learning environments.
- Evaluated professional readiness for teaching careers.

EECT 1303 – Introduction to Telecommunications
- Installed, configured, and evaluated telecommunications systems using industry-standard practices.
- Constructed, tested, and troubleshot network communication cables and related infrastructure.
- Applied technical specifications to evaluate communication equipment and system performance.
- Utilized analytical problem-solving to support reliable telecommunications and SCADA operations.

EMSP 1501 – Emergency Medical Technician
- Prepare students to provide non-invasive, life-saving care in the prehospital environment.
- Applied assessment steps for trauma and medical patients of all ages.
- Mastery of basic life support skills.
- Certification in American Heart Association Basic Life Support (CPR).
- Certification in National Safety Council Coaching the Emergency Vehicle Operator (CEVO)

EMSP 1160 – Clinic, Emergency Medical Technology / Technician
- Preceptor-guided assessment and treatment in the clinical setting.
- Demonstration of assessments and documentation.

EMSP 1438 – Introduction to Advanced Practice
- Gross understanding of pathophysiology of disease process
- Application of advanced pharmacology to include IV and IO placement
- Certification in American Heart Association Pediatric Emergency Assessment, Resuscitation, and Stabilization (PEARS)

EMSP 1355 – Trauma Management
- Understanding the kinematics of trauma including Newton's Laws
- Understanding and managing blunt and penetrating trauma
- Assessment and management of the multisystem trauma patient to include all ages
- Certification in National Association of EMTs Pre-Hospital Trauma Life Support (PHTLS)

EMSP 1356 – Patient Assessment and Airway Management
- Ability to use tools for assessment such as pulse oximeter, end-tidal carbon monoxide capnography, point of care lab values (blood glucose)
- Mastery of advanced airway devices, assessment and management of patients using these devices

EMSP 1261 – Clinical, Emergency Medical Technology / Technician
- Ability to integrate classroom and lab assessments, skills, and patient management into clinic
- Further development of core EMS skills

- Ability to interact with a variety of healthcare professionals
- Gain feedback and mentorship to refine technique and judgement

EMSP 2206 – Emergency Pharmacology
- Analyze drug classifications, mechanisms of action, and therapeutic uses.
- Calculate dosage accurately and safely.
- Evaluate drug interactions and contraindications.

EMSP 2444 – Cardiology
- Mastery of cardiac anatomy, physiology and pathophysiology
- Ability to have strong ECG interpretations skills in multilead ECG
- Recognize and stabilize cardiac emergencies.
- Incorporate quick decision-making response to critical patients.
- Certification in American Heart Association Advanced Cardiac Life Support (ACLS)

EMSP 2434 – Medical Emergencies
- Demonstrate a deeper understanding of medical conditions.
- Ability to develop effective treatment plans.
- Ability to integrate technical skills.
- Demonstrate effective leadership in patient management.

EMSP 2330 – Special Populations
- Understand and formulate strategies for assessing and managing:
    - Neonates
    - Pediatrics
    - Geriatrics
    - Patients with special challenges
    - Chronically ill and vulnerable patients
- Certification in American Heart Association Pediatric Advanced Life Support (PALS)

EMSP 2262 – Clinical, Emergency Medical Technology / Technician
- Ability to integrate classroom and lab assessments, skills, and patient management into clinic.
- Further development of core EMS skills and team lead.
- Ability to interact with a variety of healthcare professionals.
- Gain feedback and mentorship to refine technique and judgement.

EMSP 2305 – EMS Operations
- Apply methods to manage scenes safely
- Coordinate multi-casualty incidents working within a command system
- Recognize hazards and perform rescue in a wide range of environments.
- Certification in National Safety Council Emergency Vehicle Operation Course (EVOC)

EMSP 2243 – Assessment Based Management
- Ability to integrate pathophysiology with assessment findings through patient simulations.
- Ability to formulate and execute a treatment plan as a team leader.
- Certification in National Association of EMTs Advanced Medical Life Support (AMLS)

EMSP 2363 – Clinical – Emergency Medical Technology / Technician EMS
- Demonstrate patient assessment and management in the field setting.
- Ability to function as team lead during Capstone field shifts.

- Integrate application of patient management in with a supervising paramedic preceptor.

EMSP 2358 – Critical Care Paramedic
- Performs intensive care unit level patient management and skills during interfacility patient transport by ground or air.
- Demonstrates ability to team lead with critical patients.

ENGL 1301 – Composition I
- Produced structured and professional written communication.
- Developed evidence-based arguments.
- Applied revision and editing techniques.

ENGL 1302 – Composition II
- Researched and synthesized multiple sources.
- Developed persuasive and analytical writing.
- Applied proper citation and documentation practices.

ENGL 2311 – Technical Writing
- Created professional workplace documents and reports.
- Adapted communication to diverse audiences.
- Applied ethical and clarity standards in writing.

ENGL 2322 – British Literature I
- Analyzed British literature to evaluate historical, cultural, and philosophical developments.
- Conducted research and synthesized literary sources to develop evidence-based interpretations.
- Communicated complex literary analysis through organized academic writing.
- Applied critical reading, analytical reasoning, and documentation practices to literary scholarship.

ENGL 2323 – British Literature II
- Analyzed British literary works within historical and cultural contexts.
- Conducted research and synthesized multiple sources to support analytical writing.
- Evaluated diverse perspectives through evidence-based literary interpretation.
- Applied professional writing, documentation, and communication skills.

ENGL 2327 – American Literature I
- Analyzed American literature to evaluate historical, cultural, and social developments.
- Conducted research using primary and secondary sources to support literary analysis.
- Synthesized evidence into organized written arguments.
- Applied critical reading and communication skills to interpret literary works.

ENGL 2328 – American Literature II
- Evaluated modern American literature within historical and cultural frameworks.
- Conducted research and synthesized evidence to support literary interpretation.
- Developed analytical writing using organized arguments and documented sources.
- Applied critical thinking and professional communication skills through literary analysis.

ENGR 1201 – Introduction to Engineering
- Applied the engineering design process to develop innovative solutions to technical problems.
- Collaborated effectively within multidisciplinary teams to complete engineering projects.
- Communicated technical information through professional written, graphical, and oral presentations.
- Applied ethical decision-making and critical thinking to engineering practice.

ENGR 1304 – Engineering Graphics

- Created two- and three-dimensional engineering drawings using computer-aided design (CAD) software.
- Applied engineering drawing standards, dimensioning practices, and graphical communication techniques.
- Interpreted technical drawings to support engineering design and manufacturing processes.
- Demonstrated spatial reasoning and attention to detail in engineering documentation.

ENGR 2301 – Engineering Mechanics: Statics

- Applied principles of statics to analyze forces, moments, and equilibrium of engineering structures.
- Developed free-body diagrams to solve engineering mechanics problems.
- Evaluated structural behavior using analytical and mathematical modeling techniques.
- Applied critical thinking to solve engineering design and analysis challenges.

ENGR 2304 – Programming for Engineering

- Applied programming techniques to solve engineering and scientific problems.
- Developed computational models using engineering software, spreadsheets, and programming tools.
- Analyzed engineering data through numerical simulation and visualization techniques.
- Applied logical reasoning and problem-solving to improve engineering processes.

ENGR 2305 – Electrical Circuits

- Applied electrical circuit theory to analyze AC and DC electrical systems.
- Utilized laboratory instrumentation to construct, test, and troubleshoot electrical circuits.
- Applied mathematical analysis and simulation software to evaluate circuit performance.
- Demonstrated technical documentation and laboratory reporting using professional engineering standards.

ENGR 2332 – Mechanics of Materials

- Applied engineering principles to evaluate stress, strain, torsion, bending, and structural behavior.
- Analyzed material properties to determine structural performance and design limitations.
- Applied mathematical modeling to solve engineering mechanics problems.
- Interpreted engineering data to support safe and effective structural design.

ENVR 1301 – Environmental Science

- Applied scientific methods to evaluate environmental systems and human interactions with natural resources.
- Collected, analyzed, and interpreted environmental data using scientific reasoning and quantitative analysis.
- Evaluated environmental challenges and sustainability strategies using evidence-based decision-making.
- Communicated scientific findings using appropriate environmental terminology and technical documentation.

GEOG 1303 – World Regional Geography

- Analyzed spatial patterns of population, resources, and economic activity across global regions.
- Interpreted maps, geographic data, and spatial relationships to explain human and environmental systems.
- Applied geographic reasoning to understand regional differences and global connections.

GEOL 1303 – Physical Geology

- Applied geologic principles to evaluate Earth's materials, internal processes, and surface features.
- Interpreted geologic data, maps, and scientific evidence to assess environmental and natural hazard conditions.
- Applied scientific reasoning to analyze plate tectonics, mineral resources, and geologic change.

- Communicated geologic findings using professional scientific terminology and analytical techniques.

GEOL 1305 – Environmental Science

- Applied scientific methods to evaluate environmental systems and human interactions with natural resources.
- Collected, analyzed, and interpreted environmental data using scientific reasoning and quantitative analysis.
- Evaluated environmental challenges and sustainability strategies using evidence-based decision-making.
- Communicated scientific findings using appropriate environmental terminology and technical documentation.

GEOL 1345 – Oceanography

- Applied oceanographic principles to analyze physical, chemical, biological, and geological processes affecting marine environments.
- Interpreted scientific data to evaluate ocean circulation, climate interactions, and marine ecosystems.
- Applied quantitative analysis to investigate environmental issues impacting coastal and ocean systems.
- Communicated scientific findings using professional terminology and evidence-based reasoning.

GEOL 1347 – Meteorology

- Applied atmospheric science principles to analyze weather systems, climate processes, and environmental interactions.
- Interpreted meteorological data using scientific reasoning and quantitative analysis.
- Evaluated atmospheric processes affecting natural hazards, climate variability, and environmental conditions.
- Communicated weather and climate information through evidence-based scientific interpretation.

GEOL 1401 – Earth Science for Non-Science Majors I

- Applied Earth science principles to analyze geologic materials, landforms, and Earth-system processes.
- Interpreted scientific data to evaluate interactions among the geosphere, atmosphere, and hydrosphere.
- Applied scientific reasoning to assess natural hazards, environmental change, and resource management.
- Communicated Earth science concepts using professional scientific terminology and evidence-based analysis.

GEOL 1402 – Earth Science for Non-Science Majors II

- Applied Earth-system science principles to evaluate climate, hydrology, natural resources, and environmental change.
- Analyzed scientific data to assess natural hazards, sustainability, and resource development.
- Evaluated interactions among Earth's physical systems using quantitative and scientific reasoning.
- Communicated evidence-based conclusions supporting environmental stewardship and informed decision-making.

GEOL 1403 – Physical Geology

- Applied geologic field and laboratory techniques to identify Earth materials, interpret geologic processes, and evaluate natural systems.
- Analyzed minerals, rocks, topographic maps, and geologic data to support environmental and engineering decision-making.
- Interpreted geologic structures, plate tectonics, and surface processes using scientific evidence and spatial analysis.
- Communicated geologic observations and laboratory findings through professional documentation and evidence-based conclusions.

GEOL 1404 – Historical Geology

- Applied geologic principles to reconstruct Earth's history using fossils, stratigraphy, geochronology, and plate tectonic evidence.
- Analyzed sedimentary environments, geologic time, and evolutionary processes to interpret Earth's changing environments.
- Evaluated geologic records to support environmental assessments, natural resource management, and hazard analysis.
- Communicated scientific findings through evidence-based interpretation of geologic and paleontological data.

GOVT 2305 – Federal Government

- Analyzed constitutional principles and federal governance structures.
- Evaluated public policy and political processes in the U.S.
- Interpreted legal frameworks and civic responsibilities.
- Applied critical thinking to government systems and decisions.

GOVT 2306 – Texas Government

- Analyzed state and local government structures and policies.
- Evaluated political processes and public administration systems.
- Interpreted legal frameworks within the Texas constitution.
- Applied civic knowledge to policy discussions.

HIST 1301 – United States History I

- Conducted historical analysis using primary and secondary sources.
- Interpreted major political, economic, and social developments.
- Synthesized historical data into structured arguments.
- Evaluated cause-and-effect relationships in historical events.

HIST 1302 – United States History II

- Analyzed modern U.S. history and global interactions.
- Evaluated social, economic, and political change over time.
- Conducted evidence-based historical research and writing.
- Interpreted historical trends and cultural developments.

HIST 2301 – Texas History

- Analyzed the political, economic, and cultural development of Texas using historical evidence.
- Interpreted primary and secondary sources to evaluate historical events and policy decisions.
- Evaluated historical trends and their influence on modern government, society, and economic development.
- Applied critical thinking and evidence-based reasoning to communicate historical analysis.

HIST 2328 – Mexican American History II

- Analyzed modern Mexican American history through the study of civil rights, public policy, and social change.
- Evaluated historical evidence to assess political, economic, and cultural developments.
- Applied historical analysis to understand contemporary issues involving identity, equity, and community.
- Communicated evidence-based conclusions through organized research and professional writing.

HIST 2327 – Mexican American History I

- Analyzed the historical experiences of Mexican Americans through political, cultural, and social perspectives.
- Evaluated historical events, public policy, and institutional influences using primary and secondary sources.

- Applied evidence-based reasoning to interpret historical change and cultural development.
- Communicated historical analysis through organized research and written arguments.

HPRS 2300 – Pharmacology for Health Professions
- Analyzed drug classifications, mechanisms of action, and therapeutic uses.
- Calculated medication dosages accurately and safely.
- Evaluated drug interactions and contraindications.
- Applied pharmacological principles to clinical scenarios.

HUMA 1301 – Introduction to Humanities
- Analyzed cultural, artistic, and philosophical movements.
- Demonstrated critical thinking through interpretation of texts and media.
- Communicated ideas effectively in written and verbal formats.
- Applied interdisciplinary perspectives to human experience.

INTC 1301 – Principles of Industrial Measurements
- Wired and configured instrumentation systems using technical documentation.
- Calculated and verified loop signals using test equipment.
- Selected and specified instrumentation for industrial applications.

INTC 1343 – Application of Industrial Automatic Control
- Analyzed control loops and system performance.
- Troubleshot and repaired industrial control systems.
- Diagnosed and optimized control loop functionality.

INTC 1350 – Digital Measurement and Control
- Applied digital instrumentation concepts for process monitoring.
- Analyzed data communication systems in industrial networks.
- Interpreted system diagrams for integration and maintenance.

INTC 1355 – Unit Operations
- Interpreted P&IDs to trace industrial process systems.
- Operated equipment with understanding of system components.
- Explained operational processes within industrial settings.

INTC 1356 – Instrumentation Calibration
- Calibrated instruments across multiple technologies.
- Calculated and verified vessel levels and measurements.
- Disassembled and repaired control valves and instrumentation systems.

INTC 1357 – AC/DC Motor Control
- Designed and wired motor control circuits.
- Tested and troubleshot industrial motor systems.
- Applied safety procedures including LOTO protocols.

INTC 2330 – Instrumentation Systems Troubleshooting
- Diagnosed and repaired electrical and instrumentation systems.
- Used diagnostic tools to identify faults in control systems.
- Repaired and maintained industrial electronic equipment.

INTC 2336 – Distributed Control & PLC
- Programmed PLCs and integrated input/output systems.
- Interpreted and applied ladder logic for automation.

- Wired and tested PLC-controlled systems.

ITCC 1314 – Intro to Networks
- Configured and troubleshot network devices and infrastructure.
- Implemented network security measures.
- Managed cloud-based networking environments.
- Diagnosed connectivity issues using networking tools.

ITCC 1344 – Switching, Routing & Wireless
- Configured routers, switches, VLANs, and wireless networks.
- Diagnosed routing and connectivity issues in IPv4/IPv6 networks.
- Implemented secure wireless networking solutions.
- Provided technical support for network users.

ITCC 2320 – Enterprise Networking
- Implemented advanced routing protocols and network configurations.
- Applied ACLs and NAT for network traffic control.
- Identified and mitigated network security threats.
- Applied concepts of network automation and virtualization.

ITNW 1309 – Fundamentals of Cloud Computing
- Deployed and managed cloud infrastructure in AWS and Azure.
- Configured virtual machines, storage, and networking.
- Evaluated cloud service models for business applications.
- Applied cloud security and scalability concepts.

ITNW 1336 – Cloud Infrastructure
- Built and deployed cloud infrastructure using AWS and Azure platforms.
- Configured virtual networks, storage systems, and compute resources.
- Monitored system performance and availability in cloud environments.
- Troubleshot deployment, access, and connectivity issues.

ITNW 1354 – Implementing and Supporting Servers
- Installed and configured server operating systems and services.
- Managed file permissions, shared resources, and access controls.
- Applied system updates and maintenance procedures.
- Supported virtualization and server deployment processes.

ITNW 2305 – Network Administration
- Managed Windows Server environments and Active Directory.
- Configured DNS, DHCP, and user access controls.
- Monitored system performance and network health.
- Performed troubleshooting in enterprise environments.

ITNW 2335 – Network Troubleshooting
- Diagnosed and resolved LAN, WAN, and WLAN issues.
- Applied systematic troubleshooting methodologies.
- Documented network configurations and incident reports.
- Used diagnostic tools to resolve technical problems.

ITSC 1309 – Integrated Software Applications
- Created professional documents, spreadsheets, and presentations.
- Integrated data across multiple software platforms.

- Managed digital workflows and file organization systems.
- Applied software tools to solve business problems efficiently.

ITSC 1316 – Linux Installation and Configuration
- Installed and configured Linux operating systems for network environments.
- Performed system administration using command-line tools.
- Identified and resolved system and security issues.
- Integrated Linux systems within enterprise infrastructure.

ITSC 1325 – Personal Computer Hardware and OS
- Assembled and configured computer hardware systems.
- Installed and maintained operating systems.
- Diagnosed and repaired hardware failures.
- Optimized system performance through configuration and updates.

ITSC 2339 – Helpdesk Support
- Diagnosed and resolved technical issues for users.
- Applied troubleshooting frameworks for IT support.
- Configured systems, devices, and peripherals.
- Communicated technical solutions effectively.

ITSE 1359 – Scripting Languages
- Automated tasks using scripting techniques.
- Applied logic structures including loops and conditionals.
- Debugged and refined automation scripts.
- Improved efficiency through automation solutions.

ITSW 1307 – Databases
- Designed relational database structures.
- Wrote SQL queries for data manipulation.
- Implemented data integrity and validation rules.
- Managed structured datasets.

ITSY 1342 – IT Security
- Applied security frameworks and best practices.
- Implemented encryption and data protection measures.
- Identified system vulnerabilities and threats.
- Used security tools for monitoring and protection.

ITSY 2345 – Network Defense
- Deployed network defense tools and security measures.
- Detected and analyzed unauthorized activity.
- Responded to and documented security incidents.
- Developed mitigation and recovery strategies.

MATH 1314 – College Algebra
- Solved algebraic problems using logical structures.
- Applied formulas to real-world scenarios.
- Demonstrated persistence in problem-solving.

MATH 1316 – Plane Trigonometry
- Applied trigonometric identities and functions.
- Solved real-world measurement and modeling problems.

- Demonstrated analytical reasoning and precision.

MATH 1324 – Mathematics for Business & Social Sciences
- Applied mathematical models to business scenarios.
- Analyzed data and financial trends.
- Solved applied problems using quantitative methods.

MATH 1325 – Calculus for Business
- Applied derivatives and integrals to economic models.
- Analyzed optimization problems in business contexts.
- Interpreted mathematical results for decision-making.

MATH 1332 – Contemporary Mathematics
- Solved real-world problems using mathematical reasoning.
- Applied logic and decision-making frameworks.
- Interpreted quantitative data and models.

MATH 1342 – Elementary Statistical Methods
- Applied statistical analysis and probability concepts.
- Interpreted data using hypothesis testing and regression.
- Developed evidence-based conclusions.

MATH 2305 – Discrete Mathematics
- Applied mathematical reasoning to analyze logic, sets, functions, relations, and discrete structures.
- Constructed mathematical proofs using deductive reasoning, induction, and formal proof techniques.
- Applied combinatorics, graph theory, probability, and recursion to solve computational problems.
- Demonstrated analytical thinking and problem-solving skills supporting mathematics, engineering, and computer science applications.

MATH 2318 – Linear Algebra
- Applied vector and matrix operations to solve systems of linear equations and mathematical models.
- Analyzed linear transformations, determinants, eigenvalues, and eigenvectors using mathematical reasoning.
- Applied quantitative problem-solving techniques supporting engineering, computer science, and scientific applications.
- Interpreted mathematical models to support analytical decision-making and technical problem solving.

MATH 2320 – Differential Equations
- Applied differential equation techniques to model engineering, scientific, and real-world systems.
- Solved ordinary differential equations using analytical and numerical methods.
- Evaluated mathematical models to interpret system behavior and predict outcomes.
- Applied logical reasoning and quantitative analysis to solve complex mathematical problems.

MATH 2412 – Precalculus
- Applied algebraic and trigonometric concepts to analyze mathematical models and quantitative relationships.
- Solved complex mathematical problems using analytical reasoning and structured problem-solving techniques.
- Interpreted mathematical relationships to support science, engineering, business, and technology applications.
- Demonstrated persistence, precision, and critical thinking while solving multi-step quantitative problems.

MATH 2413 – Calculus I

- Applied differential calculus to analyze functions, rates of change, and real-world mathematical models.
- Solved complex mathematical problems using analytical reasoning and structured problem-solving techniques.
- Interpreted mathematical results to support evidence-based decision-making.
- Demonstrated persistence, precision, and logical reasoning while solving multi-step quantitative problems.

MATH 2414 – Calculus II

- Applied integral calculus and infinite series to analyze mathematical and scientific problems.
- Evaluated complex quantitative models using advanced mathematical techniques.
- Interpreted mathematical solutions to support engineering, business, and scientific applications.
- Demonstrated analytical reasoning, precision, and perseverance in solving advanced calculus problems.

MATH 2415 – Calculus III

- Applied multivariable calculus concepts to analyze three-dimensional mathematical models.
- Solved advanced quantitative problems involving vectors, partial derivatives, and multiple integrals.
- Interpreted mathematical relationships to support scientific and engineering applications.
- Demonstrated critical thinking, analytical reasoning, and precision in complex problem-solving.

MCHN 1343 – Machine Shop Mathematics

- Performed precision calculations using fractions, decimals, and conversions.
- Calculated measurements for machining and fabrication processes.
- Applied geometric and trigonometric principles to technical problems.

MRKG 1311 – Principles of Marketing

- Developed marketing strategies including segmentation, targeting, and positioning.
- Conducted market research and analyzed consumer behavior.
- Evaluated pricing, promotion, and distribution strategies.
- Managed campaign planning, budgeting, and performance tracking.

MUSI 1116, 1117, 2116, 2117 – Sight Singing & Ear Training

- Applied active listening skills to accurately identify pitch, rhythm, harmony, and musical patterns.
- Interpreted auditory information and responded accurately in real-time performance settings.
- Demonstrated concentration, memory retention, and attention to detail through progressive musical analysis.
- Adapted to increasingly complex musical material while performing under evaluation and time constraints.

MUSI 1181, 1182, 2181, 2182 – Class Piano

- Applied technical piano performance skills through coordinated visual, auditory, and motor integration.
- Demonstrated independent learning and disciplined practice to improve technical proficiency.
- Applied problem-solving strategies to evaluate and improve musical performance.
- Demonstrated adaptability, professionalism, and performance readiness across diverse musical styles.

MUSI 1306 – Music Appreciation

- Demonstrated teamwork and collaboration through participation in ensemble performance.
- Applied active listening and communication skills to support coordinated musical performance.
- Managed rehearsal schedules, performance preparation, and individual practice responsibilities.
- Demonstrated professionalism, accountability, and reliability in collaborative performance settings.

MUSI 1307 – Music Literature

- Analyzed musical styles, genres, and historical developments from the Middle Ages through contemporary music.
- Evaluated cultural, historical, and artistic influences shaping musical traditions.
- Applied critical listening and analytical reasoning to interpret musical works.
- Communicated musical analysis using appropriate historical and discipline-specific terminology.

MUSI 1310 – American Music

- Collaborated effectively with ensemble members to achieve shared performance objectives.
- Applied communication and active listening skills during rehearsals and performances.
- Demonstrated time management and personal accountability through consistent preparation.
- Utilized digital communication and productivity tools to support rehearsal and performance activities.

MUSI 1311, 1312, 2311, 2312 – Music Theory

- Applied music theory principles to analyze harmonic, melodic, and rhythmic structures.
- Evaluated complex musical relationships using analytical and logical reasoning.
- Produced accurate written musical analysis using discipline-specific terminology.
- Demonstrated attention to detail, organization, and problem-solving through progressive theoretical analysis.

PHED 1114 – Weight Training

- Applied strength training principles to design safe and effective resistance training programs.
- Demonstrated proper exercise technique while applying injury prevention strategies.
- Evaluated nutrition and wellness practices to support physical performance.
- Applied exercise science principles to improve individual fitness outcomes.

PHED 1116 – Yoga

- Applied yoga principles to develop safe and effective flexibility and wellness routines.
- Demonstrated proper movement techniques while emphasizing injury prevention and body mechanics.
- Applied nutrition and wellness concepts to support healthy physical activity.
- Evaluated personal fitness progress through structured practice and self-assessment.

PHED 1301 – Foundations of Kinesiology

- Applied kinesiology principles to evaluate career pathways, professional standards, and workforce expectations.
- Conducted research and presented evidence-based findings related to health, fitness, and human performance.
- Collaborated with peers to analyze contemporary issues and emerging trends in kinesiology.
- Applied critical thinking to evaluate research and professional organizations within the field.

PHED 1308 – Sports Officiating

- Applied sport-specific rules and officiating mechanics to volleyball and basketball competitions.
- Demonstrated sound judgment and ethical decision-making while enforcing game rules.
- Applied effective communication and conflict resolution techniques in competitive environments.
- Demonstrated professionalism, leadership, and teamwork while officiating athletic events.

PHED 1321 – Coaching Sports & Athletics

- Applied coaching philosophies and leadership principles to athletic program development.
- Evaluated coaching strategies through research, analysis, and professional comparison.
- Conducted research on professional organizations supporting coaching and athletic leadership.
- Demonstrated teamwork, communication, and leadership through collaborative learning activities.

PHED 1331 – Physical Education for Elementary Education Majors

- Applied instructional strategies and classroom management techniques to physical education lesson planning.
- Developed evidence-based lesson plans that promoted student engagement and physical literacy.
- Evaluated educational research to support effective teaching practices.
- Collaborated with peers to develop instructional activities and professional teaching skills.

PHED 1338 – Concepts of Physical Fitness

- Applied exercise science principles to develop individualized fitness and wellness plans.
- Analyzed nutrition, physical activity, and health data to support evidence-based lifestyle recommendations.
- Evaluated exercise intensity using physiological measurements and performance metrics.
- Demonstrated teamwork and communication through collaborative fitness activities.

PHED 2356 – Care & Prevention of Athletic Injuries

- Applied injury prevention, evaluation, and rehabilitation principles to athletic injury management.
- Evaluated evidence-based practices supporting injury assessment and patient recovery.
- Conducted research on professional organizations and current practices within sports medicine.
- Collaborated effectively during case studies and applied critical thinking to clinical scenarios.

PHIL 1301 – Introduction to Philosophy

- Applied critical thinking and logical analysis to evaluate complex philosophical issues.
- Constructed structured arguments supported by evidence and reasoning.
- Analyzed ethical frameworks and philosophical perspectives.
- Synthesized ideas to form coherent, defensible conclusions.

PHYS 1310 – Elementary Physics

- Applied fundamental principles of motion, energy, electricity, and waves to analyze physical systems.
- Conducted laboratory investigations using scientific methods, measurement techniques, and quantitative analysis.
- Interpreted experimental data to evaluate physical relationships and solve applied problems.
- Demonstrated critical thinking and analytical reasoning through evidence-based scientific investigation.

PHYS 1401 – College Physics I

- Applied principles of mechanics, thermodynamics, electricity, magnetism, and optics to solve quantitative problems.
- Conducted laboratory experiments using scientific instrumentation and data analysis techniques.
- Evaluated physical systems through mathematical modeling and evidence-based reasoning.
- Applied analytical problem-solving skills to engineering, healthcare, and technical applications.

PHYS 1402 – College Physics II

- Applied principles of mechanics, thermodynamics, electricity, magnetism, and optics to solve quantitative problems.
- Conducted laboratory experiments using scientific instrumentation and data analysis techniques.
- Evaluated physical systems through mathematical modeling and evidence-based reasoning.
- Applied analytical problem-solving skills to engineering, healthcare, and technical applications.

PHYS 2425 – University Physics I

- Applied calculus-based physics principles to analyze complex physical systems.
- Utilized mathematical modeling and quantitative reasoning to solve engineering and scientific problems.
- Conducted laboratory investigations using advanced scientific methods and instrumentation.
- Interpreted experimental findings to support evidence-based conclusions.

PHYS 2426 – University Physics II

- Applied calculus-based physics principles to analyze complex physical systems.
- Utilized mathematical modeling and quantitative reasoning to solve engineering and scientific problems.
- Conducted laboratory investigations using advanced scientific methods and instrumentation.
- Interpreted experimental findings to support evidence-based conclusions.

PSYC 2301 – General Psychology

- Applied psychological theories and scientific principles to analyze human behavior and mental processes.
- Evaluated biological, cognitive, developmental, and social influences affecting individual behavior.
- Applied critical thinking to interpret psychological research and evidence-based findings.
- Communicated psychological concepts using professional terminology and scientific reasoning.

PSYC 2314 – Lifespan Growth & Development

- Applied developmental theories to evaluate physical, cognitive, emotional, and social development across the lifespan.
- Analyzed developmental milestones and life transitions using evidence-based psychological principles.
- Evaluated environmental, biological, and cultural factors influencing human development.
- Applied critical thinking and professional communication to interpret developmental research and case studies.

PSYC 2317 – Statistical Methods in Psychology

- Applied descriptive and inferential statistical methods to analyze psychological research data.
- Interpreted quantitative findings using probability, hypothesis testing, correlation, and regression techniques.
- Evaluated research outcomes to support evidence-based decision-making in behavioral sciences.
- Applied analytical reasoning and statistical software to solve research and data analysis problems.

PSYC 2319 – Social Psychology

- Applied social psychological theories to evaluate individual behavior within group and organizational settings.
- Analyzed interpersonal relationships, attitudes, social influence, and group dynamics using scientific evidence.
- Evaluated research findings to explain human interaction and decision-making.
- Applied critical thinking and professional communication to analyze complex social issues.

PSYC 2320 – Abnormal Psychology

- Applied psychological, biological, and sociocultural principles to evaluate mental health disorders.
- Analyzed diagnostic criteria, treatment approaches, and ethical considerations in behavioral healthcare.
- Evaluated evidence-based research supporting psychological assessment and intervention.
- Applied professional judgment and critical thinking to mental health case analysis.

PSYC 2330 – Biological Psychology

- Applied biological and neurological principles to explain behavior, cognition, learning, and emotion.
- Evaluated the relationship between brain function, genetics, and human behavior using scientific evidence.
- Interpreted neuroscience research to support evidence-based psychological understanding.
- Applied analytical reasoning to evaluate complex interactions between biological systems and behavior.

PTAC 1302 – Introduction to Process Technology

- Demonstrated knowledge of process industry operations and equipment.
- Identified safety practices and compliance standards.
- Explained roles and systems within petrochemical and industrial settings.

PTAC 1308 – Safety, Health, and Environment I

- Identified industrial hazards and applied mitigation techniques.
- Demonstrated proper use of personal protective equipment (PPE).
- Applied safety procedures in industrial environments.

PTAC 1354 – Industrial Processes

- Analyzed process industry operations and resource utilization.
- Evaluated efficiency and production systems in industrial settings.
- Demonstrated understanding of vertical integration in process industries.

PTAC 1410 – Process Technology I

- Identified and described industrial equipment and systems.
- Applied thermodynamics and fluid mechanics principles.
- Developed process diagrams (P&IDs).

PTAC 1432 – Process Instrumentation I

- Interpreted PFDs and P&IDs for process systems.
- Identified instrumentation used for pressure, flow, level, and temperature.
- Applied control loop concepts in industrial systems.

PTAC 2314 – Principles of Quality

- Applied statistical process control to maintain production quality.
- Analyzed process data to identify trends and issues.
- Implemented quality improvement strategies.

PTAC 2348 – Safety, Health, and Environment II

- Applied hazard mitigation strategies and emergency response planning.
- Demonstrated incident management using ICS frameworks.
- Applied advanced PPE and decontamination procedures.

PTAC 2386 – Internship

- Applied technical knowledge in real-world industrial environments.
- Demonstrated professionalism, teamwork, and safety compliance.
- Communicated operational information with technical accuracy.

PTAC 2420 – Systems

- Identified components and operations of major process systems.
- Applied scientific principles to system functionality.
- Monitored system performance and safety compliance.

PTAC 2438 – Operations

- Operated and monitored industrial process systems.
- Followed written procedures for safe system operation.
- Collaborated in teams to meet production goals.

PTAC 2446 – Process Troubleshooting

- Diagnosed process system issues using technical knowledge.
- Applied chemistry and physics principles to problem-solving.
- Used control systems and simulations to resolve issues.

PTHA 1191 – Special Topics

- Applied evidence-based practice using current research.

- Integrated clinical expertise with patient values.
- Evaluated research for relevance in treatment planning.

PTHA 1301 – Profession of Physical Therapy
- Explained PTA roles and responsibilities in healthcare systems.
- Demonstrated collaboration within interdisciplinary teams.
- Applied cultural competence in patient interactions.

PTHA 1305 – Basic Patient Care Skills
- Performed safe patient transfers and mobility assistance.
- Measured and recorded vital signs accurately.
- Assisted with daily functional patient activities.

PTHA 1321 – Pathophysiology
- Identified disease processes and clinical symptoms.
- Applied knowledge to clinical decision-making.
- Recognized contraindications for treatment.

PTHA 1413 – Functional Anatomy
- Identified muscles, joints, and functional anatomy.
- Applied kinesiology to patient movement.
- Performed surface anatomy identification.

PTHA 1431 – Physical Agents
- Applied therapeutic modalities (heat, cold, e-stim, ultrasound).
- Operated equipment safely and effectively.
- Used modalities to improve patient outcomes.

PTHA 2201 – Data Collection
- Performed range-of-motion and strength assessments.
- Documented patient data using SOAP notes.

PTHA 2339 – Professional Issues
- Demonstrated professional communication skills.
- Prepared for licensure and employment expectations.
- Applied ethical and legal standards.

PTHA 2409 – Therapeutic Exercise
- Developed exercise programs based on patient goals.
- Applied exercise physiology principles.
- Demonstrated proper exercise techniques.

PTHA 2435 – Rehabilitation Techniques
- Designed rehabilitation programs for complex conditions.
- Monitored and adjusted patient treatments.
- Applied functional training strategies.

PTHA 2531 – Neurological Disorders
- Applied treatment approaches for neurological conditions.
- Educated patients and caregivers.
- Monitored patient progress and documented outcomes.

RNSG 1219 – Integrated Nursing Skills I

- Applied foundational nursing skills to deliver safe, patient-centered care.
- Demonstrated clinical judgment while implementing basic nursing interventions.
- Communicated effectively with patients and interdisciplinary healthcare teams.
- Applied ethical, legal, and professional standards in clinical practice.

RNSG 1260 – Clinical I

- Delivered supervised nursing care using evidence-based clinical practices.
- Administered medications safely while maintaining patient safety standards.
- Collaborated with interdisciplinary healthcare professionals to coordinate patient care.
- Applied clinical judgment and professional accountability in patient care settings.

RNSG 1523 – Introduction to Professional Nursing

- Applied clinical reasoning and systematic problem-solving to nursing practice.
- Demonstrated professional communication within healthcare environments.
- Evaluated ethical and legal responsibilities associated with professional nursing.
- Developed foundational knowledge supporting evidence-based patient care.

RNSG 2361 – Clinical II

- Applied evidence-based nursing interventions for diverse patient populations.
- Prioritized patient care using assessment findings and clinical judgment.
- Demonstrated patient advocacy while maintaining legal and ethical standards.
- Collaborated effectively within interdisciplinary healthcare teams.

RNSG 2362 – Clinical III

- Delivered supervised nursing care using entry-level clinical competencies.
- Applied evidence-based practice to support patient safety and quality outcomes.
- Communicated effectively with healthcare professionals to coordinate care.
- Demonstrated professional accountability and sound clinical judgment.

RNSG 2363 – Clinical IV

- Delivered comprehensive nursing care across acute and specialty care settings.
- Applied assessment findings and evidence-based practice to develop patient-centered care plans.
- Administered medications safely while maintaining legal and professional standards.
- Demonstrated leadership, accountability, and effective interdisciplinary communication.

RNSG 2504 – Integrated Care of Clients with Common Health Care Needs

- Applied nursing concepts to care for patients experiencing common medical, surgical, pediatric, and mental health conditions.
- Analyzed patient assessment findings to develop individualized plans of care.
- Evaluated patient outcomes using evidence-based nursing interventions.
- Applied clinical reasoning across the lifespan.

RNSG 2514 – Integrated Care of Clients with Complex Health Care Needs

- Applied advanced nursing concepts to manage patients with complex medical conditions.
- Prioritized nursing interventions using clinical reasoning and evidence-based practice.
- Evaluated patient outcomes across multiple healthcare settings.
- Applied comprehensive nursing knowledge throughout the lifespan.

RNSG 2535 – Integrated Patient Care Management

- Applied leadership, delegation, and care coordination principles within healthcare environments.
- Evaluated complex patient situations using clinical judgment and evidence-based practice.
- Communicated effectively to promote patient safety and interdisciplinary collaboration.
- Applied management principles to improve quality patient outcomes.

RSPT 1113 – Respiratory Care Pharmacology

- Selected and evaluated respiratory medications based on indications, contraindications, and patient response.
- Calculated accurate medication dosages and administered drugs using appropriate aerosol and delivery systems.
- Integrated pharmacologic principles into respiratory care planning using evidence-based practice.

RSPT 1137 – Basic Dysrhythmia Interpretation

- Interpreted normal and abnormal cardiac rhythms using single-lead and multi-lead ECGs to support cardiopulmonary assessment.
- Identified atrial, junctional, ventricular dysrhythmias, conduction blocks, pacemaker activity, and artifacts.
- Applied rhythm interpretation to clinical decision-making and interdisciplinary communication in monitored care settings.

RSPT 1141 – Respiratory Home Care and Rehabilitation

- Selected home respiratory therapies and oxygen delivery systems for chronic care patients.
- Educated patients and caregivers on disease management and equipment use.
- Supported pulmonary rehabilitation and long-term respiratory care planning.

RSPT 1163 – Respiratory Clinical III

- Delivered supervised respiratory care in acute and long-term care environments.
- Assisted with polysomnography monitoring and basic ventilator assessment.
- Modified respiratory interventions based on patient response and protocol guidance.

RSPT 1240 – Advanced Cardiopulmonary Anatomy & Physiology

- Applied advanced cardiopulmonary physiology concepts to analyze ventilation, perfusion, and gas exchange.
- Interpreted acid–base balance, lung mechanics, and neurologic control of breathing in clinical scenarios.
- Utilized research and physiologic data to support evidence-based respiratory care recommendations.

RSPT 1360 – Respiratory Clinical I

- Performed supervised respiratory care procedures in general care clinical settings.
- Applied oxygen therapy, aerosol delivery, airway clearance, and equipment safety practices.
- Documented patient care accurately and communicated findings to the healthcare team.

RSPT 1361 – Clinical Respiratory Therapy

- Performed core respiratory therapy skills including oxygen therapy, airway care, and ABG sampling.
- Assisted with patient education, documentation, and interdisciplinary communication.
- Demonstrated professional conduct and readiness for advanced clinical rotations

RSPT 1410 – Respiratory Care Procedures I

- Performed foundational respiratory care procedures, including oxygen therapy, aerosol therapy, and airway management.
- Operated, maintained, and troubleshot respiratory care equipment using established safety standards.

- Applied patient assessment findings to modify respiratory interventions.
- Communicated clinical observations effectively within interdisciplinary healthcare teams.

RSPT 1410 – Respiratory Care Procedures I
- Performed foundational respiratory procedures including oxygen therapy, aerosol therapy, and airway clearance.
- Prepared, operated, and troubleshot respiratory care equipment while maintaining infection control standards.
- Modified respiratory care interventions based on patient assessment and clinical protocols.

RSPT 1411 – Respiratory Care Fundamentals II
- Assisted with airway management, mechanical ventilation support, and manual resuscitation techniques.
- Collected and analyzed arterial blood gases and monitored oxygenation and ventilation.
- Communicated assessment findings and therapy outcomes to the healthcare team.

RSPT 2133 – Respiratory Care Case Management
- Analyzed comprehensive respiratory case studies using clinical data and evidence-based research.
- Presented professional oral and written case analyses to interdisciplinary audiences.
- Evaluated care coordination and case management roles within respiratory therapy practice.

RSPT 2135 – Pediatric Advanced Life Support
- Applied PALS principles to manage pediatric airway, ventilation, and cardiac emergencies.
- Recognized pediatric dysrhythmias and supported pharmacologic and trauma interventions.
- Functioned effectively within pediatric resuscitation teams.

RSPT 2139 – Advanced Cardiac Life Support
- Participated in adult resuscitation using ACLS algorithms and team-based emergency care.
- Managed advanced airways, cardiac rhythms, pharmacologic, and electrical therapies.
- Demonstrated professional communication and decision-making during high-acuity events.

RSPT 2147 – Specialties in Respiratory Care
- Explored emerging and specialty roles within respiratory care practice.
- Developed leadership skills through seminar planning, budgeting, staffing, and poster presentation.
- Prepared professional resumes and practiced interview skills aligned with healthcare employment.

RSPT 2231 – Simulations in Respiratory Care
- Applied clinical reasoning and prioritization skills in high-fidelity respiratory simulations.
- Practiced decision-making aligned with NBRC TMC and CSE examination frameworks.
- Strengthened professional judgment and readiness for entry-level clinical practice.

RSPT 2243 – Research in Respiratory Care
- Critically evaluated scientific literature for validity, bias, and clinical relevance.
- Applied research findings to support evidence-based respiratory care decisions.
- Communicated research outcomes through professional writing and presentations.

RSPT 2258 – Respiratory Care Patient Assessment
- Performed comprehensive patient assessments using history, labs, imaging, ABGs, and hemodynamics.
- Analyzed diagnostic trends to guide therapeutic intervention and care plan modification.
- Integrated pharmacologic and fluid considerations into critical care respiratory assessment.

RSPT 2310 – Cardiopulmonary Disease

- Analyzed obstructive, restrictive, and complex cardiopulmonary diseases and their management.
- Applied therapeutic guidelines to develop disease-specific respiratory care plans.
- Interpreted clinical data to evaluate treatment effectiveness and patient outcomes

RSPT 2325 – Cardiopulmonary Diagnostics

- Interpreted cardiopulmonary diagnostic data including PFTs, labs, hemodynamics, and imaging.
- Assisted physicians during diagnostic and invasive cardiopulmonary procedures.
- Applied diagnostic findings to evaluate respiratory care plans and disease progression.

RSPT 2360 – Respiratory Clinical IV

- Managed advanced respiratory care for critically ill patients, including mechanical ventilation.
- Assisted with invasive monitoring, arterial blood gas analysis, and emergency preparedness.
- Collaborated with interdisciplinary teams in intensive care environments.

RSPT 2361 – Respiratory Clinical V

- Provided advanced neonatal and pediatric respiratory care in critical care environments.
- Supported neonatal ventilation, airway care, blood gas analysis, and resuscitation measures.
- Demonstrated interdisciplinary collaboration and advanced clinical judgment.

RSPT 2414 – Mechanical Ventilation

- Initiated, monitored, and adjusted mechanical ventilation to optimize oxygenation and ventilation.
- Interpreted ventilator waveforms, compliance, and resistance to guide clinical decision-making.
- Supported ventilator weaning, noninvasive ventilation, and neonatal/pediatric ventilatory strategies.

RSPT 2453 – Neonatal/Pediatric Cardiopulmonary Care

- Applied neonatal and pediatric cardiopulmonary development to respiratory assessment and care planning.
- Selected age-appropriate respiratory therapies including oxygen, CPAP, ventilation, and pharmacologic support.
- Utilized clinical simulations to practice decision-making and neonatal/pediatric resuscitation principles.
- Communicated clinical findings and therapy recommendations within multidisciplinary care teams.

SOCI 1301 – Introduction to Sociology

- Analyzed social institutions and human behavior patterns.
- Evaluated inequality, diversity, and cultural systems.
- Applied sociological theories to real-world scenarios.
- Conducted data interpretation and analysis.

SPAN 1411 – Beginning Spanish I

- Communicated effectively with Spanish-speaking individuals using fundamental speaking, listening, reading, and writing skills.
- Applied cross-cultural communication skills to support diverse workplace environments.
- Demonstrated adaptability and confidence while communicating in a second language.
- Applied bilingual communication skills to improve customer service and professional interactions.

SPAN 1412 – Beginning Spanish II

- Communicated effectively with Spanish-speaking individuals using fundamental speaking, listening, reading, and writing skills.
- Applied cross-cultural communication skills to support diverse workplace environments.
- Demonstrated adaptability and confidence while communicating in a second language.
- Applied bilingual communication skills to improve customer service and professional interactions.

SPCH 1311 – Introduction to Speech Communication

- Developed and delivered professional presentations tailored to diverse audiences.
- Applied interpersonal, group, and public communication strategies to achieve organizational objectives.
- Conducted research and organized evidence to support persuasive and informative presentations.
- Demonstrated ethical communication, active listening, and professional collaboration skills.

SPCH 1315 – Public Speaking

- Developed and delivered persuasive, informative, and special occasion presentations using audience-centered communication strategies.
- Conducted research and synthesized credible evidence to support organized and effective oral presentations.
- Applied verbal, nonverbal, and visual communication techniques to enhance message effectiveness.
- Evaluated presentation performance using critical thinking, self-assessment, and constructive feedback.

SPCH 1318 – Interpersonal Communication

- Applied interpersonal communication principles to strengthen professional, personal, and team relationships.
- Evaluated verbal, nonverbal, and mediated communication strategies to improve message effectiveness.
- Applied conflict management and problem-solving techniques to support collaborative decision-making.
- Demonstrated active listening, cultural awareness, and professional communication across diverse environments.

SPCH 1321 – Business & Professional Speaking

- Delivered professional presentations, interviews, and business communications tailored to organizational audiences.
- Applied interpersonal communication, negotiation, and active listening skills to strengthen workplace collaboration.
- Utilized research, technology, and data to develop evidence-based business recommendations and executive summaries.
- Demonstrated professionalism through effective virtual communication, cross-cultural awareness, conflict resolution, and audience-focused presentation skills.

VNSG 1105 – NCLEX-PN Review

- Applied comprehensive nursing knowledge to prepare for licensure and professional practice.
- Utilized critical thinking and test-taking strategies to analyze clinical scenarios.
- Evaluated patient care using evidence-based nursing principles.
- Demonstrated readiness for entry-level vocational nursing practice.

VNSG 1116 – Nutrition

- Applied nutritional principles to promote health and support patient care.
- Evaluated dietary needs associated with common medical conditions.
- Applied evidence-based nutrition practices within healthcare settings.
- Demonstrated patient education skills supporting healthy lifestyle choices.

VNSG 1119 – Leadership & Professional Development

- Applied leadership and delegation principles within healthcare teams.
- Demonstrated ethical decision-making and professional accountability.
- Applied nursing regulations and professional standards to clinical practice.
- Communicated effectively to promote collaborative patient care.

VNSG 1122 – Vocational Nursing Concepts

- Applied foundational nursing concepts to deliver safe patient care.

- Demonstrated understanding of the professional role of the Licensed Vocational Nurse.
- Applied ethical, legal, and regulatory standards within nursing practice.
- Utilized clinical reasoning to support patient care decisions.

VNSG 1133 – Growth & Development
- Applied principles of human growth and development across the lifespan.
- Evaluated developmental factors influencing patient health.
- Applied developmental knowledge to age-appropriate nursing care.
- Demonstrated clinical reasoning in patient assessment.

VNSG 1136 – Mental Health
- Applied therapeutic communication techniques within behavioral healthcare settings.
- Evaluated psychosocial factors influencing mental health.
- Applied patient-centered approaches to promote emotional well-being.
- Demonstrated professional communication during mental health interventions.

VNSG 1230 – Maternal-Neonatal Nursing
- Applied nursing principles to support maternal and newborn health.
- Evaluated patient status to identify actual and potential complications.
- Developed patient education plans promoting healthy maternal and neonatal outcomes.
- Applied evidence-based practice to family-centered nursing care.

VNSG 1234 – Pediatric Nursing
- Applied pediatric nursing principles to support child health and development.
- Evaluated developmental needs to provide age-appropriate patient care.
- Promoted family-centered care through effective communication and education.
- Applied clinical judgment to pediatric healthcare scenarios.

VNSG 1238 – Mental Illness
- Applied evidence-based nursing interventions to support patients with mental illness.
- Evaluated patient needs using therapeutic communication and clinical assessment.
- Applied the nursing process to promote patient safety and recovery.
- Demonstrated professional judgment within behavioral healthcare settings.

VNSG 1329 – Medical-Surgical Nursing I
- Applied evidence-based nursing care for patients with acute and chronic health conditions.
- Prioritized nursing interventions using clinical reasoning and patient assessment.
- Evaluated patient responses to therapeutic interventions.
- Applied professional judgment to support quality patient outcomes.

VNSG 1420 – Anatomy & Physiology
- Applied anatomical and physiological principles to patient assessment.
- Evaluated body system functions and common disease processes.
- Applied scientific knowledge to support clinical decision-making.
- Demonstrated analytical reasoning in healthcare applications.

VNSG 1423 – Basic Nursing Skills
- Performed foundational nursing skills using safe clinical practices.
- Applied the nursing process to deliver patient-centered care.
- Demonstrated clinical judgment while implementing nursing interventions.
- Maintained professional accountability within healthcare environments.

VNSG 1260 - Clinical Course

- Delivered safe, patient-centered nursing care under clinical supervision.
- Applied clinical judgment to promote patient safety and quality outcomes.
- Collaborated effectively with interdisciplinary healthcare teams.
- Demonstrated professional behavior, accountability, and workforce readiness.

VNSG 2260 - Clinical Course

- Delivered safe, patient-centered nursing care under clinical supervision.
- Applied clinical judgment to promote patient safety and quality outcomes.
- Collaborated effectively with interdisciplinary healthcare teams.
- Demonstrated professional behavior, accountability, and workforce readiness.

VNSG 2461 - Clinical Course

- Delivered safe, patient-centered nursing care under clinical supervision.
- Applied clinical judgment to promote patient safety and quality outcomes.
- Collaborated effectively with interdisciplinary healthcare teams.
- Demonstrated professional behavior, accountability, and workforce readiness.

VNSG 1432 – Medical-Surgical Nursing II

- Applied advanced nursing principles to provide evidence-based care for patients with acute, chronic, and complex medical-surgical conditions.
- Prioritized nursing interventions using comprehensive patient assessment, clinical judgment, and evidence-based decision-making.
- Evaluated patient responses to therapeutic interventions and modified plans of care to promote optimal health outcomes.
- Collaborated effectively with interdisciplinary healthcare teams while demonstrating professionalism, accountability, and safe nursing practice.

VNSG 2331 – Advanced Nursing Skills

- Performed advanced nursing procedures using evidence-based clinical practices.
- Applied clinical judgment to complex patient care situations.
- Evaluated patient outcomes and modified interventions as appropriate.
- Demonstrated leadership and professional accountability within clinical settings.

VNSG 2461 – Clinical Licensed Practical/Vocational Nurse

- Delivered comprehensive, patient-centered nursing care using advanced vocational nursing competencies in a variety of healthcare settings.
- Applied clinical judgment and evidence-based practice to prioritize care, promote patient safety, and evaluate patient outcomes.
- Collaborated effectively with interdisciplinary healthcare teams to coordinate quality patient care and support positive health outcomes.
- Demonstrated workforce readiness through professional accountability, effective communication, ethical practice, and safe clinical performance.

WLDG 1417 – Layout and Fabrication

- Applied layout techniques to fabricate metal components.
- Used precision measurement tools to ensure accuracy.
- Prepared and assembled materials for welding operations.

WLDG 1421 – Welding Fundamentals

- Operated welding equipment following industry safety standards.
- Performed SMAW and oxy-fuel welding processes.
- Selected electrodes and prepared materials for welding.

WLDG 1430 – Gas Metal Arc Welding (GMAW)

- Applied GMAW welding techniques across multiple positions.
- Set welding parameters based on material type and thickness.
- Troubleshot welding equipment and process issues.

WLDG 1434 – Gas Tungsten Arc Welding (GTAW)

- Performed GTAW welds on various materials.
- Adjusted welding parameters for optimal performance.
- Evaluated weld quality and joint design outcomes.

WLDG 2406 – Intermediate Pipe Welding

- Prepared and welded pipe systems using SMAW techniques.
- Performed welds in multiple positions including 6G.
- Produced code-quality welds meeting industry standards.

WLDG 2435 – Advanced Layout and Fabrication

- Designed welding projects and created detailed fabrication plans.
- Calculated material requirements and developed bill of materials.
- Applied advanced measurement and layout principles.

WLDG 2443 – Advanced Shielded Metal Arc Welding

- Executed advanced SMAW welds meeting structural standards.
- Diagnosed weld defects and applied corrective techniques.
- Demonstrated proficiency aligned with certification requirements.

WLDG 2451 – Advanced GTAW

- Performed high-precision GTAW welds on pipe and plate.
- Produced code-quality welds in complex positions.
- Diagnosed and corrected welding issues.

WLDG 2452 – Flux Cored Arc Welding

- Set up and operated FCAW equipment.
- Completed welds in multiple positions using FCAW techniques.
- Differentiated between dual-shielded and self-shielded processes.