Forward

In an era where the landscape of education is rapidly evolving, our ***Comprehensive Curriculum for Modern Education*** emerges as a beacon of guidance for educators, students, and professionals alike. This book is a testament to the dedication and foresight of CEPRES International University in crafting a curriculum that not only meets the demands of the present but also anticipates the needs of the future.

Education is the cornerstone of progress, and the programs outlined in this book are meticulously designed to provide a holistic learning experience. Each program, whether it be in public health, community health, environmental science, or any other field, is structured to blend theoretical knowledge with practical application. This approach ensures that graduates are not only well-versed in their respective disciplines but are also equipped with the skills necessary to navigate and excel in the real world.

The inclusion of capstone projects, internships, and professional development courses across all programs underscores the university's commitment to experiential learning. These elements provide students with invaluable opportunities to apply their knowledge in real-world settings, fostering a deeper understanding and appreciation of their chosen fields.

Moreover, the emphasis on interdisciplinary learning reflects the interconnected nature of today's global challenges. By integrating principles from various disciplines, the curriculum encourages students to think critically and creatively, preparing them to address complex issues with innovative solutions.

As you delve into the pages of this book, you will find a wealth of information that is both comprehensive and accessible. Each program is presented with clarity and detail, offering a clear roadmap for academic and professional success. Whether you are an aspiring student, a seasoned educator, or a professional seeking to enhance your skills, this book serves as a valuable resource that will guide you on your educational journey.

In closing, I extend my heartfelt gratitude to the faculty, staff, and contributors who have worked tirelessly to bring this curriculum to life. Your dedication and passion for education are evident in every page, and your efforts will undoubtedly inspire and empower countless individuals to achieve their full potential.

Welcome to "**Comprehensive Curriculum for Modern Education**." May it serve as a catalyst for your growth, learning, and success.

Sincerely,

Prof. Dr. Mogana S. Flomo, Jr.
President
CEPRES International University

Description

This Curriculum is an extensive guide designed to provide educators, students, and professionals with a detailed roadmap for various undergraduate programs. This book encompasses a wide range of disciplines, each meticulously structured to offer a blend of theoretical knowledge and practical skills essential for success in today's dynamic world.

Key Features:

1. **Bachelor of Public Health:**
    - **Overview:** Introduction to public health principles, epidemiology, biostatistics, and research methods.
    - **Focus Areas:** Social and behavioral sciences, environmental health, global health, disease management, and disaster preparedness.
    - **Capstone Projects:** Real-world applications and professional development.
2. **Bachelor of Community Health:**
    - **Overview:** Principles of community health, technology integration, and research foundations.
    - **Focus Areas:** Community health assessment, planning, maternal and child health, and health economics.
    - **Capstone Projects:** Community intervention programs and professional development.
3. **Bachelor of Science in Epidemiology and Biostatistics:**
    - **Overview:** Fundamentals of biostatistics, epidemiology, and research methods.
    - **Focus Areas:** Health assessment, outbreak investigation, data analysis, and longitudinal studies.
    - **Capstone Projects:** Community assessment, intervention, and professional development.
4. **Bachelor of Science in Medical Laboratory Technology:**
    - **Overview:** Medical laboratory principles, clinical microbiology, hematology, and biochemistry.
    - **Focus Areas:** Laboratory management, public health, and practical applications.
    - **Capstone Projects:** Clinical practice and professional development.

5. **Bachelor of Health Education and Promotion:**
    - **Overview:** Health education principles, epidemiology, and biostatistics.
    - **Focus Areas:** Health promotion, disease prevention, health communication, and cultural competence.
    - **Capstone Projects:** Community intervention programs and professional development.
6. **Bachelor of Occupational Health and Safety:**
    - **Overview:** Occupational health principles, safety management, and environmental health.
    - **Focus Areas:** Industrial hygiene, workplace health promotion, and risk management.
    - **Capstone Projects:** Community intervention programs and professional development.
7. **Bachelor of Health Administration:**
    - **Overview:** Health administration principles, supervision, and biostatistics.
    - **Focus Areas:** Health information systems, medical law, ethics, and organizational behavior.
    - **Capstone Projects:** Community intervention programs and professional development.
8. **Bachelor of Science in Environmental Science:**
    - **Overview:** Environmental science principles, climate science, and ecology.
    - **Focus Areas:** Ecosystem management, oceanography, pollution control, and environmental engineering.
    - **Capstone Projects:** Community engagement and professional development.
9. **Bachelor of Environmental Health:**
    - **Overview:** Environmental health principles, climate science, and ecology.
    - **Focus Areas:** Environmental pollution, water science, disaster management, and environmental justice.
    - **Capstone Projects:** Community engagement and professional development.
10. **Bachelor of Primary Education:**
    - **Overview:** General education courses, science, and technology literacy.

- **Focus Areas:** Child development, primary education pedagogy, and classroom management.
- **Capstone Projects:** Community intervention programs and professional development.

11. **Bachelor of Educational Administration & Supervision:**
    - **Overview:** Educational administration principles, leadership, and finance.
    - **Focus Areas:** Human resource management, school finance, and educational policy.
    - **Capstone Projects:** Community intervention programs and professional development.
12. **Bachelor of Teaching:**
    - **Overview:** Teaching principles, science, and technology literacy.
    - **Focus Areas:** Effective teaching strategies, classroom management, and literacy education.
    - **Capstone Projects:** Community intervention programs and professional development.
13. **Bachelor of Education Management:**
    - **Overview:** Education management principles, science, and technology literacy.
    - **Focus Areas:** Educational administration, supervision, policy analysis, and digital leadership.
    - **Capstone Projects:** Community intervention programs and professional development.
14. **Bachelor of Science in Plant and Soil Science:**
    - **Overview:** Plant and soil science principles, soil health, and nutrient management.
    - **Focus Areas:** Plant physiology, genetics, crop production, and environmental impact.
    - **Capstone Projects:** Community intervention programs and professional development.
15. **BSc in Sustainable Agriculture:**
    - **Overview:** Sustainable agriculture principles, technology integration, and research methods.
    - **Focus Areas:** Nutritional agriculture, zoonotic disease awareness, and environmental health.
    - **Capstone Projects:** Community intervention programs and professional development.

16. **Bachelor of Public Administration:**
    - **Overview:** Public administration principles, financial accounting, and procurement.
    - **Focus Areas:** Economics, public policy, non-profit agencies, and urban economic development.
    - **Capstone Projects:** Community intervention programs and professional development.
17. **Bachelor of Science in Project Management:**
    - **Overview:** Project management principles, tools, and communication.
    - **Focus Areas:** Advanced techniques, certification preparation, and strategic management.
    - **Capstone Projects:** Global project management and professional development.
18. **Bachelor of Health Accounting:**
    - **Overview:** Health accounting principles, regulations, and compliance.
    - **Focus Areas:** Financial management, emerging technologies, and data analytics.
    - **Capstone Projects:** Risk management, ethical considerations, and professional development.
19. **Bachelor of Science in Environmental Accounting:**
    - **Overview:** Environmental accounting principles, regulations, and compliance.
    - **Focus Areas:** Financial management, emerging technologies, and data analytics.
    - **Capstone Projects:** Risk management, ethical considerations, and professional development.

Conclusion: "Comprehensive Curriculum for Modern Education" serves as an invaluable resource for educators, students, and professionals seeking to excel in their respective fields. Each program is meticulously designed to provide a balanced blend of theoretical knowledge and practical experience, ensuring graduates are well-prepared to meet the challenges of the modern world. Whether you are pursuing a career in health, education, environmental science, or public administration, this book offers the guidance and insights needed to achieve your academic and professional goals.

Table of Contents

Bachelor of Public Health

Semester 1: Introduction to Public Health and Basic Research Skills

1. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
2. **EPID 101: Introduction to Epidemiology (3 Credit Hours)**
    - This course introduces the basic principles and methods of epidemiology. Students will learn about the distribution and determinants of health-related states and events in populations, and how this information is used to control health problems.
3. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
4. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for public health studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Epidemiology and Biostatistics

1. **BIOSTATS 104: Fundamentals of Biostatistics (3 Credit Hours)**
    - This course introduces the basic concepts and methods of biostatistics. Students will learn how to collect, analyze, and interpret data in public health research.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **PUBH 107: Technology in Health Sciences (3 Credit Hours)**

    - This course explores the role of technology in health sciences. Topics include electronic health records, telemedicine, and health information systems.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in public health.

6. **PBL Scenario 1: Identifying Health Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world public health problems.

Semester 3: Social and Behavioral Sciences in Public Health

1. **PUBH 201: Social Determinants of Health (3 Credit Hours)**

    - This course examines the social, economic, and environmental factors that influence health outcomes. Students will learn about the impact of social determinants on health disparities and strategies to address them.

2. **HEED 203: Behavioral Sciences in Public Health (Social Behavior Change) (3 Credit Hours)**

    - This course explores the role of behavioral sciences in public health. Topics include health behavior theories, behavior change interventions, and the impact of behavior on health outcomes.

3. **COMH 205: Applied Community Health Research (3 Credit Hours)**

    - This course provides hands-on experience in community health research. Students will learn how to design and conduct research studies, collect and analyze data, and present their findings.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

- This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **GLOH 209: Contemporary Issues in Global Health (2 Credit Hours)**

    - This course examines current issues in global health, including infectious diseases, non-communicable diseases, and health systems. Students will learn about global health initiatives and strategies to address health challenges.

6. **PBL Scenario 2: Develop a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a public health issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Environmental Health and Policy

1. **ENVH 101: Environmental Health (3 Credit Hours)**

    - This course covers the principles of environmental health, including the impact of environmental factors on human health. Topics include air and water quality, hazardous waste, and environmental regulations.

2. **PUBH 204: Disaster Management in Public Health (3 Credit Hours)**

    - This course focuses on disaster management and emergency preparedness in public health. Students will learn about disaster response, recovery, and mitigation strategies.

3. **IDSR 206: Integrated Disease Surveillance Response (3 Credit Hours)**

    - This course covers the principles and practices of disease surveillance and response. Students will learn how to monitor, detect, and respond to disease outbreaks.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **HEcon 210: Introduction to Health Economics (3 Credit Hours)**

    - This course introduces the basic concepts of health economics. Students will learn about the economic factors that influence health care systems, health care financing, and health policy.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

- This course covers the techniques and methods used in data collection for public health research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Global Health and Disease Management

1. **PUBH 301: Advanced First Aid (3 Credit Hours)**
    - This course provides advanced training in first aid and emergency care. Students will learn how to respond to medical emergencies, provide first aid, and manage injuries and illnesses.
2. **OHS 101: Introduction to Occupational Health & Safety (3 Credit Hours)**
    - This course covers the principles of occupational health and safety. Topics include workplace hazards, risk assessment, and safety regulations.
3. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**
    - This course explores the principles of entrepreneurship and innovation in public health. Students will learn how to develop and implement innovative solutions to public health challenges.
4. **PHC 305: Introduction to Primary Health Care (3 Credit Hours)**
    - This course provides an overview of primary health care systems and services. Students will learn about the principles of primary health care, health care delivery models, and health care access.
5. **EPID 307: Outbreak Investigation and Response (3 Credit Hours)**
    - This course covers the principles and methods of outbreak investigation and response. Students will learn how to detect, investigate, and control disease outbreaks.
6. **PBL Scenario 3: Implementing a Community Intervention Program (2 Credit Hours)**
    - In this problem-based learning scenario, students will implement a community intervention program to address a public health issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **HADM 101: Introduction to Health Administration & Supervision (3 Credit Hours)**

    - This course provides an overview of health administration and supervision. Students will learn about the principles of health care management, leadership, and organizational behavior.

3. **COMH 306: Health Policy and Legislation (2 Credit Hours)**

    - This course covers the principles of health policy and legislation. Students will learn about the policy-making process, health care laws, and the impact of legislation on health care systems.

4. **PBL Scenario 4: Designing a Health Promotion Campaign (2 Credit Hours)**

    - In this problem-based learning scenario, students will design a health promotion campaign to address a public health issue. They will work in teams to develop, implement, and evaluate their campaign.

5. **PUBH 308: Future Trends in Public Health (2 Credit Hours)**

    - This course explores future trends in public health. Topics include emerging health issues, technological advancements, and the future of health care systems.

6. **COMH 310: Cross-Cultural Competence in Healthcare (3 Credit Hours)**

    - This course covers the principles of cross-cultural competence in health care. Students will learn about cultural diversity, health disparities, and strategies to provide culturally competent care.

Semester 7: Academic Writing & Communication

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **PUBH 403: Professional Development in Public Health (3 Credit Hours)**

    - This course focuses on the professional development of public health students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **COMH 405: Program Planning and Evaluation in Community Health (3 Credit Hours)**

    - This course covers the principles and methods of program planning and evaluation in community health. Students will learn how to design, implement, and evaluate health programs.

4. **HEED 405: Health Education Program Planning (3 Credit Hours)**

    - This course focuses on the planning and implementation of health education programs. Students will learn about needs assessment, program design, and evaluation methods.

5. **COMH 409: Community Mobilization and Entry (3 Credit Hours)**

    - This course covers the principles and strategies of community mobilization and entry. Students will learn how to engage communities, build partnerships, and implement community-based health initiatives.

6. **HEED 409: Clinical Teaching Seminar in Health Education (2 Credit Hours)**

    - This seminar provides practical experience in clinical teaching. Students will learn how to teach health education in clinical settings, develop teaching materials, and evaluate student performance.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world public health issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in a public health setting. Students will work with public health professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Community Health

Semester 1: Introduction to Community Health and Research Foundations

1. **COMH 101: Introduction to Community Health (3 Credit Hours)**
    - This course provides an overview of community health, including its principles, practices, and the role of community health workers. Students will learn about the determinants of health, health disparities, and community-based health interventions.
2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
3. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
4. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for community health studies. Topics include algebra, statistics, and probability.
5. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Technology in Community Health

1. **BIOSTATS 104: Fundamentals of Biostatistics (3 Credit Hours)**
    - This course introduces the basic concepts and methods of biostatistics. Students will learn how to collect, analyze, and interpret data in community health research.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **PUBH 107: Technology in Health Sciences (3 Credit Hours)**

    - This course explores the role of technology in health sciences. Topics include electronic health records, telemedicine, and health information systems.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in community health.

6. **PBL Scenario 1: Identifying Health Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world community health problems.

Semester 3: Community Health Assessment and Research

1. **COMH 201: Advanced First Aid (3 Credit Hours)**

    - This course provides advanced training in first aid and emergency care. Students will learn how to respond to medical emergencies, provide first aid, and manage injuries and illnesses.

2. **HEED 203: Behavioral Sciences in Public Health (Social Behavior Change) (3 Credit Hours)**

    - This course explores the role of behavioral sciences in public health. Topics include health behavior theories, behavior change interventions, and the impact of behavior on health outcomes.

3. **COMH 205: Applied Community Health Research (3 Credit Hours)**

    - This course provides hands-on experience in community health research. Students will learn how to design and conduct research studies, collect and analyze data, and present their findings.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

- This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **GLOH 209: Contemporary Issues in Global Health (3 Credit Hours)**

    - This course examines current issues in global health, including infectious diseases, non-communicable diseases, and health systems. Students will learn about global health initiatives and strategies to address health challenges.

6. **PBL Scenario 2: Develop a Community Intervention Program (3 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a community health issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Community Health Issues and Planning

1. **COMH 202: Community Health Assessment (3 Credit Hours)**

    - This course covers the principles and methods of community health assessment. Students will learn how to assess the health needs of communities, collect and analyze data, and develop health improvement plans.

2. **COMH 204: Maternal and Child Health (3 Credit Hours)**

    - This course focuses on the health of mothers and children. Topics include prenatal care, childbirth, child development, and maternal and child health programs.

3. **IDSR 206: Integrated Disease Surveillance Response (3 Credit Hours)**

    - This course covers the principles and practices of disease surveillance and response. Students will learn how to monitor, detect, and respond to disease outbreaks.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **HEcon 210: Introduction to Health Economics (3 Credit Hours)**

    - This course introduces the basic concepts of health economics. Students will learn about the economic factors that influence health care systems, health care financing, and health policy.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

- This course covers the techniques and methods used in data collection for community health research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Community Health Communication & Case Management

1. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**
    - This course explores the principles of entrepreneurship and innovation in community health. Students will learn how to develop and implement innovative solutions to community health challenges.
2. **PBL Scenario 3: Implementing a Community Intervention Program (2 Credit Hours)**
    - In this problem-based learning scenario, students will implement a community intervention program to address a community health issue. They will work in teams to design, implement, and evaluate their program.
3. **PHC 305: Introduction to Primary Health Care (3 Credit Hours)**
    - This course provides an overview of primary health care systems and services. Students will learn about the principles of primary health care, health care delivery models, and health care access.
4. **EPID 307: Outbreak Investigation and Response (3 Credit Hours)**
    - This course covers the principles and methods of outbreak investigation and response. Students will learn how to detect, investigate, and control disease outbreaks.
5. **COMH 309: Nutrition and Health (3 Credit Hours)**
    - This course focuses on the relationship between nutrition and health. Topics include dietary guidelines, nutrition assessment, and the role of nutrition in disease prevention and health promotion.
6. **OHS 101: Introduction to Occupational Health & Safety (3 Credit Hours)**
    - This course covers the principles of occupational health and safety. Topics include workplace hazards, risk assessment, and safety regulations.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **COMH 304: Community Health Leadership (2 Credit Hours)**

    - This course focuses on leadership skills in community health. Students will learn about leadership theories, team building, and strategies for leading community health initiatives.

3. **COMH 306: Health Policy and Legislation (2 Credit Hours)**

    - This course covers the principles of health policy and legislation. Students will learn about the policy-making process, health care laws, and the impact of legislation on health care systems.

4. **PBL Scenario 4: Designing a Health Promotion Campaign (3 Credit Hours)**

    - In this problem-based learning scenario, students will design a health promotion campaign to address a community health issue. They will work in teams to develop, implement, and evaluate their campaign.

5. **PUBH 308: Future Trends in Public Health (2 Credit Hours)**

    - This course explores future trends in public health. Topics include emerging health issues, technological advancements, and the future of health care systems.

6. **COMH 310: Cross-Cultural Competence in Healthcare (3 Credit Hours)**

    - This course covers the principles of cross-cultural competence in health care. Students will learn about cultural diversity, health disparities, and strategies to provide culturally competent care.

Semester 7: Academic Writing & Communication

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **PUBH 403: Professional Development in Public Health (3 Credit Hours)**

    - This course focuses on the professional development of public health students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **COMH 405: Program Planning and Evaluation in Community Health (3 Credit Hours)**

    - This course covers the principles and methods of program planning and evaluation in community health. Students will learn how to design, implement, and evaluate health programs.

4. **COMH 407: Sociology and Psychology of Health (2 Credit Hours)**

    - This course explores the sociological and psychological aspects of health. Topics include the social determinants of health, health behavior theories, and the impact of social and psychological factors on health outcomes.

5. **COMH 409: Community Mobilization and Entry (3 Credit Hours)**

    - This course covers the principles and strategies of community mobilization and entry. Students will learn how to engage communities, build partnerships, and implement community-based health initiatives.

6. **COMH 411: Community Health Nursing (3 Credit Hours)**

    - This course focuses on the role of nursing in community health. Topics include community health assessment, health promotion, disease prevention, and the delivery of nursing care in community settings.

7. **HEED 409: Clinical Teaching Seminar in Health Education (3 Credit Hours)**

    - This seminar provides practical experience in clinical teaching. Students will learn how to teach health education in clinical settings, develop teaching materials, and evaluate student performance.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world community health issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in a community health setting. Students will work with community health professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Science in Epidemiology and Biostatistics

Semester 1: Introduction to Biostatistics and Epidemiology

1. **EPID 101: Introduction to Epidemiology (3 Credit Hours)**
    - This course introduces the basic principles and methods of epidemiology. Students will learn about the distribution and determinants of health-related states and events in populations, and how this information is used to control health problems.
2. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
3. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics for Health Professionals (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for health professionals. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Foundations of Epidemiology

1. **BIOSTATS 104: Fundamentals of Biostatistics (3 Credit Hours)**

- This course introduces the basic concepts and methods of biostatistics. Students will learn how to collect, analyze, and interpret data in public health research.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **PUBH 107: Technology in Health Sciences (3 Credit Hours)**

    - This course explores the role of technology in health sciences. Topics include electronic health records, telemedicine, and health information systems.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in epidemiology and biostatistics.

6. **PBL Scenario 1: Identifying Health Disparities (3 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world public health problems.

Semester 3: Epidemiological Health Assessment and Research

1. **CALS 201: Calculus for Health Professionals - Part I (3 Credit Hours)**

    - This course covers the fundamental concepts of calculus with applications to health sciences. Topics include limits, derivatives, integrals, and their use in modeling biological processes.

2. **HEED 203: Behavioral Sciences in Public Health (Social Behavior Change) (3 Credit Hours)**

    - This course explores the role of behavioral sciences in public health. Topics include health behavior theories, behavior change interventions, and the impact of behavior on health outcomes.

3. **EPID 205: First Step in Epidemiology (3 Credit Hours)**

- This course provides an introduction to the practical aspects of epidemiology. Students will learn how to design epidemiological studies, collect and analyze data, and interpret results.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **GLOH 209: Contemporary Issues in Global Health (3 Credit Hours)**

    - This course examines current issues in global health, including infectious diseases, non-communicable diseases, and health systems. Students will learn about global health initiatives and strategies to address health challenges.

6. **PBL Scenario 2: Develop a Community Intervention Program (3 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a public health issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Outbreak Investigation & Data

1. **EPID 202: Measuring Health and Diseases in Epidemiology (2 Credit Hours)**

    - This course covers the methods used to measure health and disease in populations. Topics include incidence, prevalence, mortality rates, and the use of these measures in public health practice.

2. **CALS 202: Calculus for Health Professionals II (3 Credit Hours)**

    - This course continues the study of calculus with applications to health sciences. Topics include advanced integration techniques, differential equations, and their use in modeling biological processes.

3. **IDSR 206: Integrated Disease Surveillance Response (3 Credit Hours)**

    - This course covers the principles and practices of disease surveillance and response. Students will learn how to monitor, detect, and respond to disease outbreaks.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **HEcon 210: Introduction to Health Economics (3 Credit Hours)**

- This course introduces the basic concepts of health economics. Students will learn about the economic factors that influence health care systems, health care financing, and health policy.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for public health research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Community Assessment and Intervention

1. **BIOSTATS 301: Intermediate Biostatistics (3 Credit Hours)**

    - This course covers intermediate concepts and methods of biostatistics. Students will learn about hypothesis testing, regression analysis, and the use of statistical software in public health research.

2. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in public health. Students will learn how to develop and implement innovative solutions to public health challenges.

3. **PBL Scenario 3: Implementing a Community Intervention Program (3 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address a public health issue. They will work in teams to design, implement, and evaluate their program.

4. **PHC 305: Introduction to Primary Health Care (3 Credit Hours)**

    - This course provides an overview of primary health care systems and services. Students will learn about the principles of primary health care, health care delivery models, and health care access.

5. **EPID 307: Outbreak Investigation and Response (3 Credit Hours)**

    - This course covers the principles and methods of outbreak investigation and response. Students will learn how to detect, investigate, and control disease outbreaks.

6. **OHS 101: Introduction to Occupational Health & Safety (2 Credit Hours)**

    - This course covers the principles of occupational health and safety. Topics include workplace hazards, risk assessment, and safety regulations.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.
2. **EPID 304: Epidemiological Study Designs (3 Credit Hours)**
    - This course covers the design of epidemiological studies. Students will learn about cohort studies, case-control studies, cross-sectional studies, and randomized controlled trials.
3. **COMH 306: Health Policy and Legislation (2 Credit Hours)**
    - This course covers the principles of health policy and legislation. Students will learn about the policy-making process, health care laws, and the impact of legislation on health care systems.
4. **PBL Scenario 4: Designing a Health Promotion Campaign (3 Credit Hours)**
    - In this problem-based learning scenario, students will design a health promotion campaign to address a public health issue. They will work in teams to develop, implement, and evaluate their campaign.
5. **PUBH 308: Future Trends in Public Health (2 Credit Hours)**
    - This course explores future trends in public health. Topics include emerging health issues, technological advancements, and the future of health care systems.
6. **EPID 310: Longitudinal Studies in Epidemiology (3 Credit Hours)**
    - This course covers the design and analysis of longitudinal studies in epidemiology. Students will learn about cohort studies, repeated measures, and the use of statistical methods to analyze longitudinal data.

Semester 7: Academic Writing & Communication

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**
    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.
2. **PUBH 403: Professional Development in Public Health (3 Credit Hours)**

- This course focuses on the professional development of public health students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **COMH 405: Program Planning and Evaluation in Community Health (3 Credit Hours)**

    - This course covers the principles and methods of program planning and evaluation in community health. Students will learn how to design, implement, and evaluate health programs.

4. **HEED 405: Health Education Program Planning (3 Credit Hours)**

    - This course focuses on the planning and implementation of health education programs. Students will learn about needs assessment, program design, and evaluation methods.

5. **COMH 409: Community Mobilization and Entry (3 Credit Hours)**

    - This course covers the principles and strategies of community mobilization and entry. Students will learn how to engage communities, build partnerships, and implement community-based health initiatives.

6. **HEED 409: Clinical Teaching Seminar in Health Education (2 Credit Hours)**

    - This seminar provides practical experience in clinical teaching. Students will learn how to teach health education in clinical settings, develop teaching materials, and evaluate student performance.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world public health issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in a public health setting. Students will work with public health professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Science in Medical Laboratory Technology

Semester 1: Introduction to Medical Laboratory Science

1. **MLT FUND 101: Fundamentals of Medical Laboratory Technology I (4 Credit Hours)**
    - This course provides an introduction to the principles and practices of medical laboratory technology. Topics include laboratory safety, quality control, and basic laboratory techniques.
2. **CHEM 101: Basic Chemistry (4 Credit Hours)**
    - This course covers the fundamental concepts of chemistry, including atomic structure, chemical bonding, and chemical reactions. Laboratory sessions provide hands-on experience in chemical analysis.
3. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
4. **Math 101: Laboratory Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for medical laboratory technology. Topics include algebra, statistics, and calculations used in laboratory settings.
5. **A & P 106: Anatomy and Physiology I (4 Credit Hours)**
    - This course covers the structure and function of the human body. Topics include the integumentary, skeletal, muscular, and nervous systems. Laboratory sessions provide hands-on experience in anatomical dissection and physiological experiments.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Deep Knowledge and Ethical Consideration

1. **MICRO 207: Clinical Microbiology I (4 Credit Hours)**

- This course introduces the principles and techniques of clinical microbiology. Topics include the identification and classification of microorganisms, microbial physiology, and the role of microorganisms in disease.

2. **A & P 107: Anatomy and Physiology II (3 Credit Hours)**

    - This course continues the study of human anatomy and physiology. Topics include the cardiovascular, respiratory, digestive, and urinary systems. Laboratory sessions provide hands-on experience in anatomical dissection and physiological experiments.

3. **PROF/ETHICS: Professional Ethics (2 Credit Hours)**

    - This course covers the ethical principles and professional standards in medical laboratory technology. Topics include patient confidentiality, informed consent, and ethical decision-making.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MLT FUND 102: Fundamentals of Medical Laboratory Technology II (3 Credit Hours)**

    - This course continues the study of medical laboratory technology. Topics include advanced laboratory techniques, instrumentation, and quality assurance.

6. **PBL Scenario 1: Identifying Health Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world public health problems.

Semester 3: Laboratory & Assessment

1. **MICRO 208: Clinical Microbiology II (4 Credit Hours)**

    - This course continues the study of clinical microbiology. Topics include the identification and classification of pathogenic microorganisms, antimicrobial susceptibility testing, and infection control.

2. **PARA 221: Clinical Parasitology I (4 Credit Hours)**

    - This course covers the principles and techniques of clinical parasitology. Topics include the identification and classification of parasites, the life cycles of parasites, and the role of parasites in disease.

3. **HEMA 213: Clinical Hematology/Coagulation I (4 Credit Hours)**

- This course introduces the principles and techniques of clinical hematology and coagulation. Topics include the identification and classification of blood cells, hematological disorders, and coagulation testing.

4. **OPD 208: Online Professional Development and Networking I (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **UBF 209: Urinalysis and Body Fluids (3 Credit Hours)**

    - This course covers the principles and techniques of urinalysis and the analysis of body fluids. Topics include the identification and classification of cells and crystals in urine, and the analysis of cerebrospinal, synovial, and other body fluids.

6. **PBL Scenario 2: Develop a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a public health issue. They will work in teams to design, implement, and evaluate their program.

7. **CP 215: Clinical Practice I (10 Weeks, 100 Hours/Term)**

    - This course provides hands-on experience in a clinical laboratory setting. Students will work under the supervision of experienced laboratory professionals to develop practical skills in medical laboratory technology.

Semester 4: Dive Deep in Laboratory Science

1. **HEMA 214: Clinical Hematology/Coagulation II (4 Credit Hours)**

    - This course continues the study of clinical hematology and coagulation. Topics include advanced hematological disorders, coagulation disorders, and specialized hematological testing.

2. **PARA 222: Clinical Parasitology II (4 Credit Hours)**

    - This course continues the study of clinical parasitology. Topics include advanced identification and classification of parasites, diagnostic techniques, and the role of parasites in disease.

3. **CHEM 231: Clinical Biochemistry (4 Credit Hours)**

- This course covers the principles and techniques of clinical biochemistry. Topics include the analysis of biochemical markers in blood and other body fluids, and the role of biochemical markers in disease diagnosis and management.

4. **BBT 305: Blood Banking & Transfusion (3 Credit Hours)**

    - This course covers the principles and techniques of blood banking and transfusion. Topics include blood typing, crossmatching, and the management of blood transfusions.

5. **IMMS 217: Immunology/Serology (3 Credit Hours)**

    - This course covers the principles and techniques of immunology and serology. Topics include the immune response, immunological disorders, and serological testing.

6. **CP 216: Clinical Practice II (10 Weeks, 100 Hours/Term)**

    - This course provides hands-on experience in a clinical laboratory setting. Students will work under the supervision of experienced laboratory professionals to develop practical skills in medical laboratory technology.

Semester 5: Laboratory Science & Community Engagement

1. **CTH 327: Cytology/Histology (3 Credit Hours)**

    - This course covers the principles and techniques of cytology and histology. Topics include the preparation and analysis of cytological and histological specimens, and the role of cytology and histology in disease diagnosis.

2. **LBM 341: Laboratory Management (2 Credit Hours)**

    - This course covers the principles and practices of laboratory management. Topics include laboratory organization, quality control, and the management of laboratory personnel and resources.

3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**

    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.

4. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in medical laboratory technology. Students will learn how to develop and implement innovative solutions to laboratory challenges.

5. **PBL Scenario 3: Implementing a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address a public health issue. They will work in teams to design, implement, and evaluate their program.

6. **HADM 101: Introduction to Health Administration & Supervision (3 Credit Hours)**

    - This course provides an overview of health administration and supervision. Students will learn about the principles of health care management, leadership, and organizational behavior.

7. **CP 371: Clinical Practice III (24 Weeks, 240 Hours/Term)**

    - This course provides hands-on experience in a clinical laboratory setting. Students will work under the supervision of experienced laboratory professionals to develop practical skills in medical laboratory technology.

Semester 6: Application in Laboratory Technology

1. **CMP 380: Clinical Microbiology Practical (60 Hours)**

    - This practical course provides hands-on experience in clinical microbiology. Students will work under the supervision of experienced laboratory professionals to develop practical skills in microbiological techniques.

2. **CPP 381: Clinical Parasitology Practical (60 Hours)**

    - This practical course provides hands-on experience in clinical parasitology. Students will work under the supervision of experienced laboratory professionals to develop practical skills in parasitological techniques.

3. **CHP 382: Clinical Hematology/Coagulation Practical (60 Hours)**

    - This practical course provides hands-on experience in clinical hematology and coagulation. Students will work under the supervision of experienced laboratory professionals to develop practical skills in hematological and coagulation techniques.

4. **UBP 383: Urinalysis & Body Fluids Practical (60 Hours)**

    - This practical course provides hands-on experience in urinalysis and the analysis of body fluids. Students will work under the supervision of experienced laboratory professionals to develop practical skills in urinalysis and body fluid analysis.

5. **SIP 384: Serology/Immunology Practical (60 Hours)**

- This practical course provides hands-on experience in serology and immunology. Students will work under the supervision of experienced laboratory professionals to develop practical skills in serological and immunological techniques.

6. **CHP 385: Cytology/Histology Practical (60 Hours)**

    - This practical course provides hands-on experience in cytology and histology. Students will work under the supervision of experienced laboratory professionals to develop practical skills in cytological and histological techniques.

7. **PBL Scenario 4: Designing a Health Promotion Campaign (2 Credit Hours)**

    - In this problem-based learning scenario, students will design a health promotion campaign to address a public health issue. They will work in teams to develop, implement, and evaluate their campaign.

8. **CP 391: Clinical Practice IV (24 Weeks, 240 Hours/Term)**

    - This course provides hands-on experience in a clinical laboratory setting. Students will work under the supervision of experienced laboratory professionals to develop practical skills in medical laboratory technology.

Bachelor of Health Education and Promotion

Semester 1: Introduction to Biostatistics and Epidemiology

1. **HEED 101: Introduction to Health Education (3 Credit Hours)**
    - This course provides an overview of health education, including its principles, practices, and the role of health educators. Students will learn about the determinants of health, health disparities, and strategies for health promotion and disease prevention.
2. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
3. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for health education studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Foundations of Epidemiology

1. **BIOSTATS 104: Fundamentals of Biostatistics (3 Credit Hours)**
    - This course introduces the basic concepts and methods of biostatistics. Students will learn how to collect, analyze, and interpret data in health education research.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **PUBH 107: Technology in Health Sciences (3 Credit Hours)**

    - This course explores the role of technology in health sciences. Topics include electronic health records, telemedicine, and health information systems.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in health education and promotion.

6. **PBL Scenario 1: Identifying Health Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world health education problems.

Semester 3: Epidemiological Health Assessment and Research

1. **HEED 201: Health Promotion and Disease Prevention (3 Credit Hours)**

    - This course covers the principles and practices of health promotion and disease prevention. Students will learn about health behavior theories, health promotion strategies, and the role of health education in disease prevention.

2. **HEED 203: Behavioral Sciences in Public Health (Social Behavior Change) (3 Credit Hours)**

    - This course explores the role of behavioral sciences in public health. Topics include health behavior theories, behavior change interventions, and the impact of behavior on health outcomes.

3. **PUBH 205: Applied Community Health Research (3 Credit Hours)**

    - This course provides hands-on experience in community health research. Students will learn how to design and conduct research studies, collect and analyze data, and present their findings.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

- This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **GLOH 209: Contemporary Issues in Global Health (3 Credit Hours)**

    - This course examines current issues in global health, including infectious diseases, non-communicable diseases, and health systems. Students will learn about global health initiatives and strategies to address health challenges.

6. **PBL Scenario 2: Develop a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a health education issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Outbreak Investigation & Data

1. **HEED 202: Cultural Competence in Health Education (2 Credit Hours)**

    - This course covers the principles of cultural competence in health education. Students will learn about cultural diversity, health disparities, and strategies to provide culturally competent health education.

2. **HEED 204: Health Communication Strategies (3 Credit Hours)**

    - This course explores the principles and practices of health communication. Topics include communication theories, health communication campaigns, and the use of media in health education.

3. **IDSR 206: Integrated Disease Surveillance Response (3 Credit Hours)**

    - This course covers the principles and practices of disease surveillance and response. Students will learn how to monitor, detect, and respond to disease outbreaks.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **HEcon 210: Introduction to Health Economics (3 Credit Hours)**

    - This course introduces the basic concepts of health economics. Students will learn about the economic factors that influence health care systems, health care financing, and health policy.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

- This course covers the techniques and methods used in data collection for health education research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Community Assessment and Intervention

1. **HEED 301: Integrating Virtual Reality and Simulation in Health Education (3 Credit Hours)**
    - This course explores the use of virtual reality and simulation in health education. Students will learn about the principles of virtual reality, the design of simulation-based learning experiences, and the use of technology in health education.
2. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**
    - This course explores the principles of entrepreneurship and innovation in health education. Students will learn how to develop and implement innovative solutions to health education challenges.
3. **PHC 305: Introduction to Primary Health Care (3 Credit Hours)**
    - This course provides an overview of primary health care systems and services. Students will learn about the principles of primary health care, health care delivery models, and health care access.
4. **EPID 307: Outbreak Investigation and Response (3 Credit Hours)**
    - This course covers the principles and methods of outbreak investigation and response. Students will learn how to detect, investigate, and control disease outbreaks.
5. **PBL Scenario 3: Implementing a Community Intervention Program (3 Credit Hours)**
    - In this problem-based learning scenario, students will implement a community intervention program to address a health education issue. They will work in teams to design, implement, and evaluate their program.
6. **OHS 101: Introduction to Occupational Health & Safety (2 Credit Hours)**
    - This course covers the principles of occupational health and safety. Topics include workplace hazards, risk assessment, and safety regulations.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **COMH 306: Health Policy and Legislation (2 Credit Hours)**

    - This course covers the principles of health policy and legislation. Students will learn about the policy-making process, health care laws, and the impact of legislation on health care systems.

3. **PBL Scenario 4: Designing a Health Promotion Campaign (2 Credit Hours)**

    - In this problem-based learning scenario, students will design a health promotion campaign to address a health education issue. They will work in teams to develop, implement, and evaluate their campaign.

4. **PUBH 308: Future Trends in Public Health (2 Credit Hours)**

    - This course explores future trends in public health. Topics include emerging health issues, technological advancements, and the future of health care systems.

5. **COMH 310: Cross-Cultural Competence in Healthcare (3 Credit Hours)**

    - This course covers the principles of cross-cultural competence in health care. Students will learn about cultural diversity, health disparities, and strategies to provide culturally competent care.

Semester 7: Data Analysis and Interpretation

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **HEED 401: Innovative Technology Solutions in Health Education (3 Credit Hours)**

    - This course explores the use of innovative technology solutions in health education. Students will learn about the principles of technology integration, the design of technology-based health education programs, and the evaluation of technology's impact on health outcomes.

3. **PUBH 403: Professional Development in Public Health (3 Credit Hours)**

    - This course focuses on the professional development of public health students. Topics include career planning, resume writing, interview skills, and professional ethics.

4. **HEED 407: Health Informatics and Electronic Health Records (3 Credit Hours)**

- This course covers the principles and practices of health informatics and the use of electronic health records. Students will learn about health information systems, data management, and the role of informatics in health care delivery.

5. **HEED 405: Health Education Program Planning (3 Credit Hours)**

    - This course focuses on the planning and implementation of health education programs. Students will learn about needs assessment, program design, and evaluation methods.

6. **HEED 409: Clinical Teaching Seminar in Health Education (2 Credit Hours)**

    - This seminar provides practical experience in clinical teaching. Students will learn how to teach health education in clinical settings, develop teaching materials, and evaluate student performance.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world health education issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in a health education setting. Students will work with health education professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Occupational Health and Safety

Semester 1: Introduction to Occupational Health and Safety

1. **OHS 101: Introduction to Occupational Health and Safety (3 Credit Hours)**
    - This course provides an overview of occupational health and safety, including its principles, practices, and the role of occupational health professionals. Students will learn about workplace hazards, risk assessment, and safety regulations.
2. **ENVH 101: Introduction to Environmental Health (3 Credit Hours)**
    - This course covers the principles of environmental health, including the impact of environmental factors on human health. Topics include air and water quality, hazardous waste, and environmental regulations.
3. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for occupational health and safety studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Foundations in Occupational Health & Safety

1. **BIOSTATS 104: Fundamentals of Biostatistics (3 Credit Hours)**
    - This course introduces the basic concepts and methods of biostatistics. Students will learn how to collect, analyze, and interpret data in occupational health research.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **PUBH 107: Technology in Health Sciences (3 Credit Hours)**

    - This course explores the role of technology in health sciences. Topics include electronic health records, telemedicine, and health information systems.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in occupational health and safety.

6. **PBL Scenario 1: Identifying Health Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world occupational health problems.

Semester 3: Occupational Health Assessment

1. **EPID 101: Introduction to Epidemiology (3 Credit Hours)**

    - This course introduces the basic principles and methods of epidemiology. Students will learn about the distribution and determinants of health-related states and events in populations, and how this information is used to control health problems.

2. **OHS 205: Workplace Health Promotion (3 Credit Hours)**

    - This course covers the principles and practices of workplace health promotion. Topics include health promotion strategies, workplace wellness programs, and the role of health promotion in occupational health.

3. **OHS 211: Industrial Hygiene (3 Credit Hours)**

    - This course covers the principles and practices of industrial hygiene. Topics include the identification and control of workplace hazards, exposure assessment, and the use of personal protective equipment.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

- This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **OHS 209: Psychosocial Hazards (3 Credit Hours)**

    - This course covers the principles and practices of managing psychosocial hazards in the workplace. Topics include stress management, workplace violence, and the impact of psychosocial hazards on employee health and well-being.

6. **PBL Scenario 2: Develop a Community Intervention Program (3 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address an occupational health issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: OHS Systems & Management

1. **OHS 202: Safety Management Systems (2 Credit Hours)**

    - This course covers the principles and practices of safety management systems. Topics include the development and implementation of safety policies, risk management, and safety performance measurement.

2. **HEED 202: Health Communication Strategies (3 Credit Hours)**

    - This course explores the principles and practices of health communication. Topics include communication theories, health communication campaigns, and the use of media in health education.

3. **OHS 206: Industrial Safety Engineering (3 Credit Hours)**

    - This course covers the principles and practices of industrial safety engineering. Topics include hazard identification, risk assessment, and the design of safety systems and controls.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **IDSR 206: Integrated Disease Surveillance Response (3 Credit Hours)**

    - This course covers the principles and practices of disease surveillance and response. Students will learn how to monitor, detect, and respond to disease outbreaks.

6. **OHS 210: Fire Safety and Emergency Management (3 Credit Hours)**

- This course covers the principles and practices of fire safety and emergency management. Topics include fire prevention, emergency response planning, and the management of fire and emergency incidents.

7. **DCT 212: Data Collection Techniques (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for occupational health research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Community Assessment and Intervention

1. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in occupational health and safety. Students will learn how to develop and implement innovative solutions to occupational health challenges.

2. **PBL Scenario 3: Implementing a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address an occupational health issue. They will work in teams to design, implement, and evaluate their program.

3. **PHC 305: Introduction to Primary Health Care (3 Credit Hours)**

    - This course provides an overview of primary health care systems and services. Students will learn about the principles of primary health care, health care delivery models, and health care access.

4. **EPID 307: Outbreak Investigation and Response (3 Credit Hours)**

    - This course covers the principles and methods of outbreak investigation and response. Students will learn how to detect, investigate, and control disease outbreaks.

5. **OHS 309: Occupational Disease and Injury Prevention (3 Credit Hours)**

    - This course covers the principles and practices of occupational disease and injury prevention. Topics include the identification and control of occupational hazards, the prevention of work-related injuries and illnesses, and the development of workplace health and safety programs.

6. **OHS 311: Construction Safety (3 Credit Hours)**

- This course focuses on safety practices in the construction industry. Topics include hazard identification, risk assessment, safety regulations, and the implementation of safety programs in construction settings.

Semester 6: Capstone Project and Applied Learning

1. **CP 301: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.
2. **PUBH 304: Applied Occupational Health & Safety Practice (3 Credit Hours)**
    - This course provides practical experience in occupational health and safety. Students will apply their knowledge and skills in real-world settings, working on projects related to workplace health and safety.
3. **PBL Scenario 4: Designing a Health Promotion Campaign (2 Credit Hours)**
    - In this problem-based learning scenario, students will design a health promotion campaign to address an occupational health issue. They will work in teams to develop, implement, and evaluate their campaign.
4. **HEED 204: Health Communication Strategies (3 Credit Hours)**
    - This course explores the principles and practices of health communication. Topics include communication theories, health communication campaigns, and the use of media in health education.
5. **PUBH 406: Future Trends in Occupational Health & Safety (2 Credit Hours)**
    - This course explores future trends in occupational health and safety. Topics include emerging health issues, technological advancements, and the future of workplace health and safety.

Semester 7: Environmental Assessment & Evaluation

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**
    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.
2. **ENVH 403: Environmental Impact Assessment (3 Credit Hours)**

- This course covers the principles and practices of environmental impact assessment. Students will learn how to assess the environmental impacts of projects and activities, and develop strategies to mitigate negative impacts.

3. **OHS 405: Advanced Risk Management (3 Credit Hours)**

    - This course covers advanced concepts and practices in risk management. Topics include risk assessment, risk communication, and the development of risk management plans.

4. **OHS 407: Occupational Health & Safety Auditing (3 Credit Hours)**

    - This course covers the principles and practices of occupational health and safety auditing. Students will learn how to conduct audits, assess compliance with safety regulations, and develop audit reports.

5. **OHS 409: Environmental and Occupational Toxicology (3 Credit Hours)**

    - This course covers the principles of environmental and occupational toxicology. Topics include the toxic effects of chemicals, exposure assessment, and the management of toxic substances in the workplace.

6. **PUBH 403: Professional Development in Public Health (3 Credit Hours)**

    - This course focuses on the professional development of public health students. Topics include career planning, resume writing, interview skills, and professional ethics.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world occupational health and safety issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in an occupational health and safety setting. Students will work with occupational health professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Health Administration

Semester 1: Introduction to Health Administration and Supervision

1. **HADM 101: Introduction to Health Administration & Supervision (3 Credit Hours)**

    - This course provides an overview of health administration and supervision, including its principles, practices, and the role of health administrators. Students will learn about the organization and management of health care systems, leadership, and the responsibilities of health administrators.

2. **PBH 101: Introduction to Public Health (3 Credit Hours)**

    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.

3. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**

    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.

4. **Math 101: Foundations of Mathematics (3 Credit Hours)**

    - This course provides a foundation in mathematical concepts and techniques that are essential for health administration studies. Topics include algebra, statistics, and probability.

5. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**

    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Foundations in Health Administration

1. **BIOSTATS 104: Fundamentals of Biostatistics (3 Credit Hours)**

    - This course introduces the basic concepts and methods of biostatistics. Students will learn how to collect, analyze, and interpret data in health administration research.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **PUBH 107: Technology in Health Sciences (3 Credit Hours)**

    - This course explores the role of technology in health sciences. Topics include electronic health records, telemedicine, and health information systems.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in health administration.

6. **PBL Scenario 1: Identifying Health Disparities (3 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world health administration problems.

Semester 3: Occupational Health Assessment

1. **EPID 101: Introduction to Epidemiology (3 Credit Hours)**

    - This course introduces the basic principles and methods of epidemiology. Students will learn about the distribution and determinants of health-related states and events in populations, and how this information is used to control health problems.

2. **HADM 201: Principles of Management (3 Credit Hours)**

    - This course covers the principles and practices of management in health care settings. Topics include organizational behavior, leadership, decision-making, and the management of health care organizations.

3. **HACC 101: Principles of Health Accounting (3 Credit Hours)**

    - This course introduces the principles of accounting in health care settings. Topics include financial statements, budgeting, cost accounting, and financial management in health care organizations.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **HAMD 209: Principles of Psychology (3 Credit Hours)**

    - This course covers the principles of psychology and their application to health care settings. Topics include human behavior, motivation, communication, and the psychological aspects of health and illness.

6. **PBL Scenario 2: Develop a Community Intervention Program (3 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a health administration issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: HADM Systems & Management

1. **HADM 202: Medical Terminology (2 Credit Hours)**

    - This course covers the principles and practices of medical terminology. Students will learn about the language of medicine, including the terminology used in health care settings, medical records, and health care documentation.

2. **HEED 204: Health Communication Strategies (3 Credit Hours)**

    - This course explores the principles and practices of health communication. Topics include communication theories, health communication campaigns, and the use of media in health education.

3. **HADM 206: Health Information Systems (3 Credit Hours)**

    - This course covers the principles and practices of health information systems. Topics include electronic health records, health information management, and the use of technology in health care delivery.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **HEcon 210: Introduction to Health Economics (3 Credit Hours)**

    - This course introduces the basic concepts of health economics. Students will learn about the economic factors that influence health care systems, health care financing, and health policy.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

- This course covers the techniques and methods used in data collection for health administration research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Community Assessment and Intervention

1. **HADM 301: Medical Law and Ethics (2 Credit Hours)**
    - This course covers the principles and practices of medical law and ethics. Topics include patient rights, confidentiality, informed consent, and the legal and ethical responsibilities of health care professionals.
2. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**
    - This course explores the principles of entrepreneurship and innovation in health administration. Students will learn how to develop and implement innovative solutions to health administration challenges.
3. **PBL Scenario 3: Implementing a Community Intervention Program (3 Credit Hours)**
    - In this problem-based learning scenario, students will implement a community intervention program to address a health administration issue. They will work in teams to design, implement, and evaluate their program.
4. **PHC 305: Introduction to Primary Health Care (2 Credit Hours)**
    - This course provides an overview of primary health care systems and services. Students will learn about the principles of primary health care, health care delivery models, and health care access.
5. **IDSR 307: Integrated Disease Surveillance Response (3 Credit Hours)**
    - This course covers the principles and practices of disease surveillance and response. Students will learn how to monitor, detect, and respond to disease outbreaks.
6. **HADM 309: Organizational Behavior in Healthcare (3 Credit Hours)**
    - This course covers the principles and practices of organizational behavior in health care settings. Topics include leadership, motivation, team dynamics, and the management of health care organizations.

Semester 6: Capstone Project and Applied Learning

1. **CP 301: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **HADM 303: Human Resource Management in Healthcare (3 Credit Hours)**

    - This course covers the principles and practices of human resource management in health care settings. Topics include recruitment, selection, training, performance management, and employee relations.

3. **PBL Scenario 4: Designing a Health Promotion Campaign (3 Credit Hours)**

    - In this problem-based learning scenario, students will design a health promotion campaign to address a health administration issue. They will work in teams to develop, implement, and evaluate their campaign.

4. **HADM 305: Medical Tools & Functions (3 Credit Hours)**

    - This course covers the principles and practices of medical tools and functions. Topics include the use of medical equipment, diagnostic tools, and the management of medical supplies.

5. **HADM 307: Healthcare Operations Management (3 Credit Hours)**

    - This course covers the principles and practices of health care operations management. Topics include process improvement, quality management, and the management of health care services.

6. **PUBH 409: Future Trends in Health Administration & Supervision (2 Credit Hours)**

    - This course explores future trends in health administration and supervision. Topics include emerging health issues, technological advancements, and the future of health care systems.

Semester 7: Health Administration & Evaluation

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **HADM 403: Professional Development in Health Administration & Supervision (3 Credit Hours)**

    - This course focuses on the professional development of health administration students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **HADM 406: Patient Safety and Risk Management (3 Credit Hours)**

- This course covers the principles and practices of patient safety and risk management in health care settings. Topics include the identification and management of risks, patient safety strategies, and the development of risk management plans.

4. **HADM 408: Supervision in Healthcare Settings (3 Credit Hours)**

    - This course focuses on the principles and practices of supervision in health care settings. Topics include leadership, team management, conflict resolution, and the supervision of health care personnel.

5. **HADM 410: Ethics in Health Administration (2 Credit Hours)**

    - This course covers the ethical principles and practices in health administration. Topics include ethical decision-making, patient rights, confidentiality, and the ethical responsibilities of health administrators.

6. **HADM 412: Health Marketing (3 Credit Hours)**

    - This course explores the principles and practices of health marketing. Topics include marketing strategies, health communication, and the promotion of health services.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world health administration issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in a health administration setting. Students will work with health administration professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Science in Environmental Science

Semester 1: Introduction to Environmental Science

1. **ENVS 101: Introduction to Environmental Science (3 Credit Hours)**
    - This course provides an overview of environmental science, including its principles, practices, and the role of environmental scientists. Students will learn about the interactions between humans and the environment, environmental issues, and sustainable practices.
2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for environmental science studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Foundations and Research Skills

1. **ENVS 104: Climate Science (3 Credit Hours)**

- This course covers the principles of climate science, including the study of the Earth's climate system, climate change, and the impact of human activities on the climate. Students will learn about climate models, climate policy, and strategies for mitigating climate change.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **ENVS 107: Principles of Ecology (3 Credit Hours)**

    - This course covers the principles of ecology, including the study of ecosystems, population dynamics, and the interactions between organisms and their environment. Students will learn about ecological research methods and the application of ecological principles to environmental management.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in environmental science.

6. **PBL Scenario 1: Identifying Health Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world environmental health problems.

Semester 3: Fundamentals of Ecology and Ecosystems

1. **ENVS 201: Ecosystem Management (3 Credit Hours)**

    - This course covers the principles and practices of ecosystem management. Topics include the conservation and restoration of ecosystems, the management of natural resources, and the role of ecosystem services in human well-being.

2. **ENVS 203: Introduction to Oceanography (3 Credit Hours)**

    - This course provides an introduction to the study of the oceans, including their physical, chemical, biological, and geological aspects. Students will learn about ocean circulation, marine ecosystems, and the impact of human activities on the oceans.

3. **ENVS 205: Water Quality Monitoring using Sensor Technologies (3 Credit Hours)**

    - This course covers the principles and techniques of water quality monitoring using sensor technologies. Topics include the measurement of water quality parameters, the use of sensors in environmental monitoring, and the analysis of water quality data.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **ENVS 209: Applied Ecology (3 Credit Hours)**

    - This course covers the application of ecological principles to environmental management. Topics include the management of natural resources, the conservation of biodiversity, and the restoration of degraded ecosystems.

6. **PBL Scenario 2: Develop a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address an environmental health issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Water Resources and Pollution Control

1. **ENVS 202: Environmental Pollution (3 Credit Hours)**

    - This course covers the principles and practices of environmental pollution control. Topics include the sources and types of pollution, the impact of pollution on human health and the environment, and strategies for pollution prevention and control.

2. **ENVS 204: Water Science and Management (3 Credit Hours)**

    - This course covers the principles and practices of water science and management. Topics include the hydrological cycle, water resources management, and the impact of human activities on water quality and quantity.

3. **SUAG 101: Sustainable Agriculture (3 Credit Hours)**

    - This course covers the principles and practices of sustainable agriculture. Topics include the conservation of soil and water resources, the use of sustainable farming practices, and the impact of agriculture on the environment.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

- This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **ENVS 210: Environmental Microbiology (3 Credit Hours)**

    - This course covers the principles and practices of environmental microbiology. Topics include the role of microorganisms in environmental processes, the impact of microorganisms on human health, and the use of microorganisms in environmental management.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for environmental science research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Environment & Community Engagement

1. **ENVS 301: Marine Biology (3 Credit Hours)**

    - This course covers the principles and practices of marine biology. Topics include the diversity of marine life, the structure and function of marine ecosystems, and the impact of human activities on marine environments.

2. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in environmental science. Students will learn how to develop and implement innovative solutions to environmental challenges.

3. **PBL Scenario 3: Implementing a Community Intervention Program (3 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address an environmental health issue. They will work in teams to design, implement, and evaluate their program.

4. **ENVS 305: GIS and Remote Sensing in Environmental Science (3 Credit Hours)**

    - This course covers the principles and practices of geographic information systems (GIS) and remote sensing in environmental science. Topics include the use of GIS and remote sensing technologies in environmental monitoring, mapping, and analysis.

5. **ENVH 306: Air Quality Management (3 Credit Hours)**

- This course covers the principles and practices of air quality management. Topics include the sources and types of air pollution, the impact of air pollution on human health and the environment, and strategies for air quality improvement.

6. **OHS 101: Introduction to Occupational Health & Safety (3 Credit Hours)**

    - This course covers the principles of occupational health and safety. Topics include workplace hazards, risk assessment, and safety regulations.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**

    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **ENVS 302: Environmental Engineering (3 Credit Hours)**

    - This course covers the principles and practices of environmental engineering. Topics include the design and implementation of engineering solutions to environmental problems, the management of environmental systems, and the use of technology in environmental management.

3. **PBL Scenario 4: Designing an Environmental Promotion Campaign (3 Credit Hours)**

    - In this problem-based learning scenario, students will design an environmental promotion campaign to address an environmental health issue. They will work in teams to develop, implement, and evaluate their campaign.

4. **ENVS 304: Soil Chemistry and Physics (3 Credit Hours)**

    - This course covers the principles and practices of soil chemistry and physics. Topics include the chemical and physical properties of soils, soil fertility, and the impact of soil management practices on soil health.

5. **ENVH 307: Environmental Communication (3 Credit Hours)**

    - This course covers the principles and practices of environmental communication. Topics include communication theories, environmental communication campaigns, and the use of media in environmental education.

6. **ENVS 309: Environmental Justice (3 Credit Hours)**

    - This course covers the principles and practices of environmental justice. Topics include the impact of environmental policies on different populations, the role of community activism in environmental justice, and strategies for promoting environmental equity.

Semester 7: Environmental Health and Human Ecology

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **ENVS 403: Professional Development in Environmental Studies (3 Credit Hours)**

    - This course focuses on the professional development of environmental science students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **ENVH 403: Environmental Impact Assessment (3 Credit Hours)**

    - This course covers the principles and practices of environmental impact assessment. Students will learn how to assess the environmental impacts of projects and activities, and develop strategies to mitigate negative impacts.

4. **ENVH 405: Environmental Education (3 Credit Hours)**

    - This course covers the principles and practices of environmental education. Topics include the development of environmental education programs, the use of educational materials, and strategies for promoting environmental awareness.

5. **ENVH 407: Analysis of Environmental Policy and Legislation (2 Credit Hours)**

    - This course covers the principles and practices of environmental policy and legislation. Students will learn about the policy-making process, environmental laws, and the impact of legislation on environmental management.

6. **ENVH 409: Renewable Energy and Sustainable Practices (3 Credit Hours)**

    - This course covers the principles and practices of renewable energy and sustainable practices. Topics include the development and implementation of renewable energy technologies, the promotion of sustainable practices, and the impact of renewable energy on the environment.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world environmental science issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

- This internship provides hands-on experience in an environmental science setting. Students will work with environmental professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Environmental Health

Semester 1: Introduction to Environmental Health

1. **ENVH 101: Introduction to Environmental Health (3 Credit Hours)**
    - This course provides an overview of environmental health, including its principles, practices, and the role of environmental health professionals. Students will learn about the impact of environmental factors on human health, environmental health hazards, and strategies for promoting environmental health.
2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for environmental health studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Foundations and Research Skills

1. **ENVS 104: Climate Science (3 Credit Hours)**

- This course covers the principles of climate science, including the study of the Earth's climate system, climate change, and the impact of human activities on the climate. Students will learn about climate models, climate policy, and strategies for mitigating climate change.

2. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

3. **ENVS 107: Principles of Ecology (3 Credit Hours)**

    - This course covers the principles of ecology, including the study of ecosystems, population dynamics, and the interactions between organisms and their environment. Students will learn about ecological research methods and the application of ecological principles to environmental management.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in environmental health.

6. **PBL Scenario 1: Identifying Health Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing health disparities in different populations. Students will work in teams to develop solutions to real-world environmental health problems.

Semester 3: Fundamentals of Ecology and Ecosystems

1. **ENVS 201: Ecosystem Management (3 Credit Hours)**

    - This course covers the principles and practices of ecosystem management. Topics include the conservation and restoration of ecosystems, the management of natural resources, and the role of ecosystem services in human well-being.

2. **ENVS 203: Introduction to Oceanography (3 Credit Hours)**

    - This course provides an introduction to the study of the oceans, including their physical, chemical, biological, and geological aspects. Students will learn about ocean circulation, marine ecosystems, and the impact of human activities on the oceans.

3. **Practical ENVS 205: Water Quality Monitoring using Sensor Technologies (3 Credit Hours)**

    - This course covers the principles and techniques of water quality monitoring using sensor technologies. Topics include the measurement of water quality parameters, the use of sensors in environmental monitoring, and the analysis of water quality data.

4. **OPD 207: Online Professional Development and Networking I (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **ENVS 209: Applied Ecology (3 Credit Hours)**

    - This course covers the application of ecological principles to environmental management. Topics include the management of natural resources, the conservation of biodiversity, and the restoration of degraded ecosystems.

6. **PBL Scenario 2: Develop a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address an environmental health issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Environmental Communication & Administration

1. **ENVS 202: Environmental Pollution (3 Credit Hours)**

    - This course covers the principles and practices of environmental pollution control. Topics include the sources and types of pollution, the impact of pollution on human health and the environment, and strategies for pollution prevention and control.

2. **ENVS 204: Water Science and Management (3 Credit Hours)**

    - This course covers the principles and practices of water science and management. Topics include the hydrological cycle, water resources management, and the impact of human activities on water quality and quantity.

3. **PUBH 204: Disaster Management in Public Health (3 Credit Hours)**

    - This course focuses on disaster management and emergency preparedness in public health. Students will learn about disaster response, recovery, and mitigation strategies.

4. **OPD 208: Online Professional Development and Networking II (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **IDSR 206: Integrated Disease Surveillance Response (3 Credit Hours)**

    - This course covers the principles and practices of disease surveillance and response. Students will learn how to monitor, detect, and respond to disease outbreaks.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for environmental health research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Environment & Community Engagement

1. **ENVS 301: Marine Biology (3 Credit Hours)**

    - This course covers the principles and practices of marine biology. Topics include the diversity of marine life, the structure and function of marine ecosystems, and the impact of human activities on marine environments.

2. **ENTP 303: Entrepreneurship & Innovation (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in environmental health. Students will learn how to develop and implement innovative solutions to environmental health challenges.

3. **PBL Scenario 3: Implementing a Community Intervention Program (2 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address an environmental health issue. They will work in teams to design, implement, and evaluate their program.

4. **ENVS 305: GIS and Remote Sensing in Environmental Science (3 Credit Hours)**

    - This course covers the principles and practices of geographic information systems (GIS) and remote sensing in environmental science. Topics include the use of GIS and remote sensing technologies in environmental monitoring, mapping, and analysis.

5. **ENVH 307: Bioinformatics in Environmental Health (3 Credit Hours)**

    - This course covers the principles and practices of bioinformatics in environmental health. Topics include the use of bioinformatics tools in environmental health research, the analysis of environmental health data, and the application of bioinformatics to environmental health problems.

6. **OHS 101: Introduction to Occupational Health & Safety (3 Credit Hours)**

- This course covers the principles of occupational health and safety. Topics include workplace hazards, risk assessment, and safety regulations.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.
2. **PBL Scenario 4: Designing an Environmental Promotion Campaign (2 Credit Hours)**
    - In this problem-based learning scenario, students will design an environmental promotion campaign to address an environmental health issue. They will work in teams to develop, implement, and evaluate their campaign.
3. **ENVH 302: Environmental Health Administration (3 Credit Hours)**
    - This course covers the principles and practices of environmental health administration. Topics include the management of environmental health programs, the development of environmental health policies, and the role of environmental health professionals in public health.
4. **ENVS 304: Soil Chemistry and Physics (3 Credit Hours)**
    - This course covers the principles and practices of soil chemistry and physics. Topics include the chemical and physical properties of soils, soil fertility, and the impact of soil management practices on soil health.
5. **ENVH 310: Environmental Economics (3 Credit Hours)**
    - This course covers the principles and practices of environmental economics. Topics include the economic analysis of environmental policies, the valuation of environmental goods and services, and the role of economics in environmental decision-making.
6. **ENVS 308: Environmental Justice (3 Credit Hours)**
    - This course covers the principles and practices of environmental justice. Topics include the impact of environmental policies on different populations, the role of community activism in environmental justice, and strategies for promoting environmental equity.

Semester 7: Global Perspectives on Environmental Health

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

- This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **PUBH 403: Professional Development in Environmental Studies (3 Credit Hours)**

    - This course focuses on the professional development of environmental health students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **ENVH 403: Environmental Impact Assessment (3 Credit Hours)**

    - This course covers the principles and practices of environmental impact assessment. Students will learn how to assess the environmental impacts of projects and activities, and develop strategies to mitigate negative impacts.

4. **ENVH 405: Environmental Education (3 Credit Hours)**

    - This course covers the principles and practices of environmental education. Topics include the development of environmental education programs, the use of educational materials, and strategies for promoting environmental awareness.

5. **ENVH 407: Analysis of Environmental Policy and Legislation (2 Credit Hours)**

    - This course covers the principles and practices of environmental policy and legislation. Students will learn about the policy-making process, environmental laws, and the impact of legislation on environmental management.

6. **ENVH 409: Renewable Energy and Sustainable Practices (3 Credit Hours)**

    - This course covers the principles and practices of renewable energy and sustainable practices. Topics include the development and implementation of renewable energy technologies, the promotion of sustainable practices, and the impact of renewable energy on the environment.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world environmental health issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

- This internship provides hands-on experience in an environmental health setting. Students will work with environmental health professionals, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Primary Education

Semester 1: General Education Courses

1. **PEDU 101: Introduction to Primary Education (3 Credit Hours)**

    - This course provides an overview of primary education, including its principles, practices, and the role of primary educators. Students will learn about the development of young children, the structure of primary education systems, and strategies for effective teaching in primary classrooms.

2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**

    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.

3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**

    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.

4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**

    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.

5. **Math 101: Foundations of Mathematics (3 Credit Hours)**

    - This course provides a foundation in mathematical concepts and techniques that are essential for primary education studies. Topics include algebra, statistics, and probability.

6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**

    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: General Education Courses

1. **EDU 105: Science and Technology Literacy (3 Credit Hours)**

    - This course covers the principles and practices of science and technology literacy. Students will learn about the role of science and technology in society, the development of scientific knowledge, and strategies for teaching science and technology in primary classrooms.

2. **EDU 104: Social Science (3 Credit Hours)**

    - This course provides an overview of social science, including its principles, practices, and the role of social science in primary education. Students will learn about the development of social science knowledge, the structure of social science education, and strategies for teaching social science in primary classrooms.

3. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in primary education.

6. **PBL Scenario 1: Identifying Primary Education Disparities (3 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing disparities in primary education. Students will work in teams to develop solutions to real-world primary education problems.

Semester 3: Core Courses - Primary Education

1. **PEDU 201: Introduction to Education Psychology (3 Credit Hours)**

- This course covers the principles and practices of educational psychology. Students will learn about the development of young children, the role of psychology in education, and strategies for promoting learning and development in primary classrooms.

2. **PEDU 203: Child Development and Learning (3 Credit Hours)**

    - This course covers the principles and practices of child development and learning. Students will learn about the physical, cognitive, social, and emotional development of young children, and strategies for promoting learning and development in primary classrooms.

3. **PEDU 205: Primary Education Pedagogy (3 Credit Hours)**

    - This course covers the principles and practices of primary education pedagogy. Students will learn about the development of teaching strategies, the structure of primary education systems, and strategies for effective teaching in primary classrooms.

4. **OPD 207: Online Professional Development and Networking I in Primary Education (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **PEDU 209: Literacy in the Primary Classroom (3 Credit Hours)**

    - This course covers the principles and practices of literacy education in primary classrooms. Students will learn about the development of literacy skills, the structure of literacy education, and strategies for promoting literacy in primary classrooms.

6. **PEDU 2011: Technology Integration in Primary Education (2 Credit Hours)**

    - This course covers the principles and practices of technology integration in primary education. Students will learn about the role of technology in education, the development of technology-based teaching strategies, and strategies for integrating technology into primary classrooms.

7. **PBL Scenario 2: Develop a Community Intervention Program in Primary Education (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a primary education issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Core Courses - Primary Education

1. **EDU 202: Critical Thinking and Problem Solving (3 Credit Hours)**

    - This course covers the principles and practices of critical thinking and problem-solving. Students will learn about the development of critical thinking skills, the role of problem-solving in education, and strategies for promoting critical thinking and problem-solving in primary classrooms.

2. **PEDU 204: Arts and Creativity in Primary Education (3 Credit Hours)**

    - This course covers the principles and practices of arts and creativity in primary education. Students will learn about the role of arts and creativity in education, the development of arts-based teaching strategies, and strategies for promoting creativity in primary classrooms.

3. **EDU 206: Classroom Management (2 Credit Hours)**

    - This course covers the principles and practices of classroom management. Students will learn about the development of classroom management strategies, the role of classroom management in education, and strategies for promoting positive behavior in primary classrooms.

4. **OPD 208: Online Professional Development and Networking II in Primary Education (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **EDU 210: Introduction to Statistics (3 Credit Hours)**

    - This course covers the principles and practices of statistics. Students will learn about the development of statistical knowledge, the role of statistics in education, and strategies for teaching statistics in primary classrooms.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for primary education research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Advanced Pedagogy - Primary Education

1. **EDU 301: Learning Management Systems for Online Education (3 Credit Hours)**

- This course covers the principles and practices of learning management systems for online education. Students will learn about the development of online learning environments, the role of learning management systems in education, and strategies for promoting online learning in primary classrooms.

2. **ENTP 303: Entrepreneurship & Innovation in Primary Education (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in primary education. Students will learn how to develop and implement innovative solutions to primary education challenges.

3. **PEDU 305: Integrated Science Instruction (3 Credit Hours)**

    - This course covers the principles and practices of integrated science instruction. Students will learn about the development of science-based teaching strategies, the structure of science education, and strategies for promoting science learning in primary classrooms.

4. **PEDU 307: Creative Arts (3 Credit Hours)**

    - This course covers the principles and practices of creative arts in primary education. Students will learn about the role of creative arts in education, the development of arts-based teaching strategies, and strategies for promoting creativity in primary classrooms.

5. **PEDU 309: Special Education in Primary Settings (3 Credit Hours)**

    - This course covers the principles and practices of special education in primary settings. Students will learn about the development of special education strategies, the structure of special education systems, and strategies for promoting learning and development in primary classrooms.

6. **PBL Scenario 3: Implementing a Community Intervention Program in Primary Education (3 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address a primary education issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**

    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **PBL Scenario 4: Designing a Primary Education Promotion Campaign (3 Credit Hours)**

- In this problem-based learning scenario, students will design a primary education promotion campaign to address a primary education issue. They will work in teams to develop, implement, and evaluate their campaign.

3. **PEDU 302: Global Perspective in Primary Education (2 Credit Hours)**

    - This course covers the principles and practices of global perspectives in primary education. Students will learn about the role of global perspectives in education, the development of global education strategies, and the integration of global perspectives into primary classrooms.

4. **PEDU 304: Health Education in Primary Schools (3 Credit Hours)**

    - This course covers the principles and practices of health education in primary schools. Students will learn about the development of health education programs, the role of health education in promoting student well-being, and strategies for integrating health education into primary classrooms.

5. **PEDU 306: STEM Education in Primary Schools (3 Credit Hours)**

    - This course covers the principles and practices of STEM (Science, Technology, Engineering, and Mathematics) education in primary schools. Students will learn about the development of STEM education programs, the role of STEM education in promoting student learning, and strategies for integrating STEM education into primary classrooms.

6. **PEDU 308: Technology-Enhanced Learning Environments (3 Credit Hours)**

    - This course covers the principles and practices of technology-enhanced learning environments. Students will learn about the development of technology-based teaching strategies, the role of technology in education, and strategies for creating technology-enhanced learning environments in primary classrooms.

Semester 7: Research and Innovation - Primary Education

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **EDU 403: Professional Development in Education (3 Credit Hours)**

    - This course focuses on the professional development of education students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **EDU 405: Problem-Based Learning Curriculum Design (3 Credit Hours)**

- This course covers the principles and practices of problem-based learning curriculum design. Students will learn about the development of problem-based learning strategies, the role of problem-based learning in education, and strategies for designing problem-based learning curricula in primary classrooms.

4. **PEDU 407: Innovative Teaching Methods (3 Credit Hours)**

    - This course covers the principles and practices of innovative teaching methods. Students will learn about the development of innovative teaching strategies, the role of innovation in education, and strategies for implementing innovative teaching methods in primary classrooms.

5. **PEDU 409: Field Experience in Primary Education (2 Credit Hours)**

    - This course provides hands-on experience in primary education settings. Students will work with primary educators, gain practical skills, and apply their academic knowledge to real-world primary education problems.

6. **PEDU 411: Assessment and Evaluation in Primary Education (3 Credit Hours)**

    - This course covers the principles and practices of assessment and evaluation in primary education. Students will learn about the development of assessment strategies, the role of assessment in education, and strategies for implementing assessment and evaluation in primary classrooms.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world primary education issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in a primary education setting. Students will work with primary educators, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Educational Administration & Supervision

Semester 1: General Education Courses

1. **EDAD 101: Introduction to Education Administration & Supervision (3 Credit Hours)**
    - This course provides an overview of education administration and supervision, including its principles, practices, and the role of education administrators. Students will learn about the organization and management of educational institutions, leadership, and the responsibilities of education administrators.
2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for education administration studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: General Education Courses

1. **EDU 105: Science and Technology Literacy (3 Credit Hours)**

- This course covers the principles and practices of science and technology literacy. Students will learn about the role of science and technology in society, the development of scientific knowledge, and strategies for teaching science and technology in educational settings.

2. **EDU 104: Social Science (3 Credit Hours)**

    - This course provides an overview of social science, including its principles, practices, and the role of social science in education. Students will learn about the development of social science knowledge, the structure of social science education, and strategies for teaching social science in educational settings.

3. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in education administration.

6. **PBL Scenario 1: Identifying Educational Administration and Supervision Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing disparities in educational administration and supervision. Students will work in teams to develop solutions to real-world education administration problems.

Semester 3: Core Courses - Educational Administration

1. **PEDU 201: Introduction to Education Psychology (3 Credit Hours)**

    - This course covers the principles and practices of educational psychology. Students will learn about the development of students, the role of psychology in education, and strategies for promoting learning and development in educational settings.

2. **EDAD 203: Foundations of Educational Leadership (3 Credit Hours)**

- This course covers the principles and practices of educational leadership. Students will learn about leadership theories, the role of leaders in educational settings, and strategies for effective leadership in education.

3. **EDAD 209: Organizational Behavior in Education (2 Credit Hours)**

    - This course covers the principles and practices of organizational behavior in educational settings. Topics include leadership, motivation, team dynamics, and the management of educational organizations.

4. **OPD 207: Online Professional Development and Networking I in Educational Administration & Supervision (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **EDAD 205: Education Pedagogy (3 Credit Hours)**

    - This course covers the principles and practices of education pedagogy. Students will learn about the development of teaching strategies, the structure of education systems, and strategies for effective teaching in educational settings.

6. **EDAD 2011: Technology Integration in Educational Administration & Supervision (3 Credit Hours)**

    - This course covers the principles and practices of technology integration in educational administration and supervision. Students will learn about the role of technology in education, the development of technology-based administrative strategies, and strategies for integrating technology into educational administration.

7. **PBL Scenario 2: Develop a Community Intervention Program in Educational Administration (3 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address an educational administration issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Core Courses - Educational Administration

1. **EDAD 202: School Finance and Resource Management (3 Credit Hours)**

    - This course covers the principles and practices of school finance and resource management. Students will learn about budgeting, financial planning, resource allocation, and the management of financial resources in educational settings.

2. **EDAD 204: Human Resource Management in Education (3 Credit Hours)**

    - This course covers the principles and practices of human resource management in educational settings. Topics include recruitment, selection, training, performance management, and employee relations.

3. **EDU 210: Introduction to Statistics (3 Credit Hours)**

    - This course covers the principles and practices of statistics. Students will learn about the development of statistical knowledge, the role of statistics in education, and strategies for teaching statistics in educational settings.

4. **OPD 208: Online Professional Development and Networking II in Educational Administration & Supervision (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **EDAD 210: Legal and Ethical Issues in Education (3 Credit Hours)**

    - This course covers the legal and ethical issues in education. Topics include education law, ethical decision-making, and the legal and ethical responsibilities of education administrators.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for educational administration research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Educational Leadership

1. **EDAD 301: Data-Driven Decision Making in Education (2 Credit Hours)**

    - This course covers the principles and practices of data-driven decision making in education. Students will learn about the use of data in educational decision making, data analysis techniques, and strategies for implementing data-driven decision making in educational settings.

2. **ENTP 303: Entrepreneurship & Innovation in Educational Administration (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in educational administration. Students will learn how to develop and implement innovative solutions to educational administration challenges.

3. **EDAD 305: Strategic Planning and Visionary Leadership (3 Credit Hours)**

- This course covers the principles and practices of strategic planning and visionary leadership in education. Students will learn about the development of strategic plans, the role of visionary leadership in education, and strategies for implementing strategic plans in educational settings.

4. **EDU 301: Learning Management Systems for Online Education (3 Credit Hours)**

    - This course covers the principles and practices of learning management systems for online education. Students will learn about the development of online learning environments, the role of learning management systems in education, and strategies for promoting online learning in educational settings.

5. **EDAD 309: Leadership in Educational Technology (3 Credit Hours)**

    - This course covers the principles and practices of leadership in educational technology. Students will learn about the role of technology in education, the development of technology-based leadership strategies, and strategies for leading technology integration in educational settings.

6. **PBL Scenario 3: Implementing a Community Intervention Program in Educational Administration (3 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address an educational administration issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Educational Supervision

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**

    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **PBL Scenario 4: Designing a Primary Education Promotion Campaign (2 Credit Hours)**

    - In this problem-based learning scenario, students will design a primary education promotion campaign to address an educational administration issue. They will work in teams to develop, implement, and evaluate their campaign.

3. **EDAD 302: Supervisory Skills in Education (3 Credit Hours)**

    - This course covers the principles and practices of supervisory skills in education. Students will learn about the role of supervisors in education, the development of supervisory strategies, and strategies for effective supervision in educational settings.

4. **EDAD 304: Teacher Evaluation and Development (3 Credit Hours)**

- This course covers the principles and practices of teacher evaluation and development. Students will learn about the role of teacher evaluation in education, the development of evaluation strategies, and strategies for promoting teacher development in educational settings.

5. **EDAD 306: Assessment and Accountability in Education (2 Credit Hours)**

    - This course covers the principles and practices of assessment and accountability in education. Students will learn about the development of assessment strategies, the role of accountability in education, and strategies for implementing assessment and accountability in educational settings.

6. **EDAD 308: Change Management in Education (3 Credit Hours)**

    - This course covers the principles and practices of change management in education. Students will learn about the role of change management in education, the development of change management strategies, and strategies for implementing change in educational settings.

Semester 7: Research and Innovation - Educational Leadership

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **EDU 403: Professional Development in Education (3 Credit Hours)**

    - This course focuses on the professional development of education students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **EDAD 411: Community and Stakeholder Engagement (2 Credit Hours)**

    - This course covers the principles and practices of community and stakeholder engagement in education. Students will learn about the role of community and stakeholder engagement in education, the development of engagement strategies, and strategies for promoting community and stakeholder engagement in educational settings.

4. **EDAD 407: Innovations in Educational Leadership (3 Credit Hours)**

    - This course covers the principles and practices of innovations in educational leadership. Students will learn about the role of innovation in educational leadership, the

development of innovative leadership strategies, and strategies for implementing innovations in educational leadership.

5. **EDAD 409: Field Experience in Education Administration & Supervision (3 Credit Hours)**

    - This course provides hands-on experience in education administration and supervision settings. Students will work with education administrators, gain practical skills, and apply their academic knowledge to real-world education administration problems.

6. **EDU 405: Problem-Based Learning Curriculum Design (3 Credit Hours)**

    - This course covers the principles and practices of problem-based learning curriculum design. Students will learn about the development of problem-based learning strategies, the role of problem-based learning in education, and strategies for designing problem-based learning curricula in educational settings.

Semester 8: Culminating Experience - Educational Administration and Supervision

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world educational administration issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in an educational administration setting. Students will work with education administrators, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Teaching

Semester 1: Introduction to Teaching

1. **BAT 101: Introduction to Teaching (3 Credit Hours)**
    - This course provides an overview of the teaching profession, including its principles, practices, and the role of teachers. Students will learn about the development of teaching strategies, the structure of education systems, and the responsibilities of teachers.
2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for teaching studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Foundations and Research Skills

1. **EDU 105: Science and Technology Literacy (3 Credit Hours)**
    - This course covers the principles and practices of science and technology literacy. Students will learn about the role of science and technology in society, the development

of scientific knowledge, and strategies for teaching science and technology in educational settings.

2. **EDU 104: Social Science (3 Credit Hours)**
    - This course provides an overview of social science, including its principles, practices, and the role of social science in education. Students will learn about the development of social science knowledge, the structure of social science education, and strategies for teaching social science in educational settings.
3. **RM 103: Foundations in Research Methods (3 Credit Hours)**
    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.
4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**
    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.
5. **MATH 102: Trigonometry and Advanced Mathematics for Teaching Professionals (3 Credit Hours)**
    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in teaching.
6. **PBL Scenario 1: Identifying Teaching Disparities (2 Credit Hours)**
    - This problem-based learning scenario focuses on identifying and addressing disparities in teaching. Students will work in teams to develop solutions to real-world teaching problems.

Semester 3: Fundamentals of Teaching

1. **PEDU 201: Introduction to Education Psychology (3 Credit Hours)**
    - This course covers the principles and practices of educational psychology. Students will learn about the development of students, the role of psychology in education, and strategies for promoting learning and development in educational settings.
2. **BAT 203: Effective Teaching Strategies (3 Credit Hours)**
    - This course covers the principles and practices of effective teaching strategies. Students will learn about the development of teaching strategies, the role of effective teaching in education, and strategies for implementing effective teaching methods in educational settings.

3. **BAT 205: Literacy Across Subjects (2 Credit Hours)**

    - This course covers the principles and practices of literacy education across different subjects. Students will learn about the development of literacy skills, the role of literacy in education, and strategies for promoting literacy across different subjects in educational settings.

4. **OPD 207: Online Professional Development and Networking I in Teaching (3 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **EDU 205: Teaching Education Pedagogy (3 Credit Hours)**

    - This course covers the principles and practices of teaching education pedagogy. Students will learn about the development of teaching strategies, the structure of education systems, and strategies for effective teaching in educational settings.

6. **BAT 2011: Technology Integration in Teaching Practices (3 Credit Hours)**

    - This course covers the principles and practices of technology integration in teaching practices. Students will learn about the role of technology in education, the development of technology-based teaching strategies, and strategies for integrating technology into teaching practices.

7. **PBL Scenario 2: Develop a Community Intervention Program in Teaching (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address a teaching issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Teaching and Classroom Management

1. **EDU 202: Critical Thinking and Problem Solving (3 Credit Hours)**

    - This course covers the principles and practices of critical thinking and problem-solving. Students will learn about the development of critical thinking skills, the role of problem-solving in education, and strategies for promoting critical thinking and problem-solving in educational settings.

2. **BAT 204: Arts Integration in Teaching (3 Credit Hours)**

    - This course covers the principles and practices of arts integration in teaching. Students will learn about the role of arts in education, the development of arts-based teaching strategies, and strategies for integrating arts into teaching practices.

3. **EDU 206: Classroom Management (2 Credit Hours)**

    - This course covers the principles and practices of classroom management. Students will learn about the development of classroom management strategies, the role of classroom management in education, and strategies for promoting positive behavior in educational settings.

4. **OPD 208: Online Professional Development and Networking II in Teaching (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **STAT 210: Introduction to Statistics I (3 Credit Hours)**

    - This course covers the principles and practices of statistics. Students will learn about the development of statistical knowledge, the role of statistics in education, and strategies for teaching statistics in educational settings.

6. **DCT 212: Data Collection Techniques in Teaching (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for teaching research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Advanced Teaching Methods

1. **BAT 301: Advanced Teaching Methods in Mathematics (3 Credit Hours)**

    - This course covers the principles and practices of advanced teaching methods in mathematics. Students will learn about the development of mathematics teaching strategies, the role of advanced teaching methods in mathematics education, and strategies for implementing advanced teaching methods in mathematics.

2. **ENTP 303: Entrepreneurship & Innovation in Teaching (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in teaching. Students will learn how to develop and implement innovative solutions to teaching challenges.

3. **STATS 3011: Introduction to Statistics II (3 Credit Hours)**

    - This course continues the study of statistics, covering more advanced statistical concepts and techniques. Students will learn about the application of statistics in education and strategies for teaching advanced statistics.

4. **EDU 301: Learning Management Systems for Online Education (3 Credit Hours)**

- This course covers the principles and practices of learning management systems for online education. Students will learn about the development of online learning environments, the role of learning management systems in education, and strategies for promoting online learning in educational settings.

5. **BAT 309: Innovations in Science Education (2 Credit Hours)**

    - This course covers the principles and practices of innovations in science education. Students will learn about the development of innovative science teaching strategies, the role of innovation in science education, and strategies for implementing innovations in science education.

6. **PBL Scenario 3: Implementing a Community Intervention Program in Education (2 Credit Hours)**

    - In this problem-based learning scenario, students will implement a community intervention program to address an education issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Capstone Project and Applied Learning

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**

    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

2. **PBL Scenario 4: Designing a Teaching Promotion Campaign (2 Credit Hours)**

    - In this problem-based learning scenario, students will design a teaching promotion campaign to address a teaching issue. They will work in teams to develop, implement, and evaluate their campaign.

3. **BAT 302: Literary Analysis and Problem-Based Learning (3 Credit Hours)**

    - This course covers the principles and practices of literary analysis and problem-based learning. Students will learn about the development of literary analysis skills, the role of problem-based learning in education, and strategies for integrating literary analysis and problem-based learning into teaching practices.

4. **BAT 304: Social Sciences in the Modern Classroom (2 Credit Hours)**

    - This course covers the principles and practices of teaching social sciences in modern classrooms. Students will learn about the development of social science teaching strategies, the role of social sciences in education, and strategies for integrating social sciences into teaching practices.

5. **EDAD 306: Assessment and Accountability in Education (2 Credit Hours)**

    - This course covers the principles and practices of assessment and accountability in education. Students will learn about the development of assessment strategies, the role of accountability in education, and strategies for implementing assessment and accountability in educational settings.

6. **BAT 308: Instructional Leadership in Teaching Field (3 Credit Hours)**

    - This course covers the principles and practices of instructional leadership in the teaching field. Students will learn about the role of instructional leaders in education, the development of instructional leadership strategies, and strategies for promoting instructional leadership in teaching practices.

Semester 7: Global Perspectives on Environmental Health

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **EDU 403: Professional Development in Education (3 Credit Hours)**

    - This course focuses on the professional development of education students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **EDAD 411: Community and Stakeholder Engagement (2 Credit Hours)**

    - This course covers the principles and practices of community and stakeholder engagement in education. Students will learn about the role of community and stakeholder engagement in education, the development of engagement strategies, and strategies for promoting community and stakeholder engagement in educational settings.

4. **BAT 405: Innovations in Teaching Practices (3 Credit Hours)**

    - This course covers the principles and practices of innovations in teaching practices. Students will learn about the development of innovative teaching strategies, the role of innovation in education, and strategies for implementing innovations in teaching practices.

5. **BAT 409: Field Experience in Teaching (3 Credit Hours)**

- This course provides hands-on experience in teaching settings. Students will work with experienced teachers, gain practical skills, and apply their academic knowledge to real-world teaching problems.

6. **EDU 405: Problem-Based Learning Curriculum Design (3 Credit Hours)**

    - This course covers the principles and practices of problem-based learning curriculum design. Students will learn about the development of problem-based learning strategies, the role of problem-based learning in education, and strategies for designing problem-based learning curricula in teaching settings.

Semester 8: Integration and Professional Development

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world teaching issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in a teaching setting. Students will work with experienced teachers, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Would you like to move on to the next major? Here are the remaining options:

13. Education Management
14. Plant and Soil Science
15. Sustainable Agriculture
16. Public Administration

Bachelor of Education Management

Semester 1: General Education Courses

1. **EDMG 101: Introduction to Education Management (3 Credit Hours)**
    - This course provides an overview of education management, including its principles, practices, and the role of education managers. Students will learn about the organization and management of educational institutions, leadership, and the responsibilities of education managers.
2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for education management studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: General Education Courses

1. **EDU 105: Science and Technology Literacy (3 Credit Hours)**

- This course covers the principles and practices of science and technology literacy. Students will learn about the role of science and technology in society, the development of scientific knowledge, and strategies for teaching science and technology in educational settings.

2. **EDU 104: Social Science (3 Credit Hours)**

    - This course provides an overview of social science, including its principles, practices, and the role of social science in education. Students will learn about the development of social science knowledge, the structure of social science education, and strategies for teaching social science in educational settings.

3. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

4. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

5. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in education management.

6. **PBL Scenario 1: Identifying Education Management Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing disparities in education management. Students will work in teams to develop solutions to real-world education management problems.

Semester 3: Educational Administration and Supervision

1. **PEDU 201: Introduction to Education Psychology (3 Credit Hours)**

    - This course covers the principles and practices of educational psychology. Students will learn about the development of students, the role of psychology in education, and strategies for promoting learning and development in educational settings.

2. **EDAD 203: Foundations of Educational Leadership (3 Credit Hours)**

    - This course covers the principles and practices of educational leadership. Students will learn about leadership theories, the role of leaders in educational settings, and strategies for effective leadership in education.

3. **EDMG 205: Supervision and Evaluation of Educational Programs (3 Credit Hours)**

    - This course covers the principles and practices of supervision and evaluation of educational programs. Students will learn about the development of supervision strategies, the role of evaluation in education, and strategies for implementing supervision and evaluation in educational settings.

4. **OPD 207: Online Professional Development and Networking I in Education Management (2 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **EDAD 204: Human Resource Management in Education (3 Credit Hours)**

    - This course covers the principles and practices of human resource management in educational settings. Topics include recruitment, selection, training, performance management, and employee relations.

6. **EDAD 2011: Technology Integration in Educational Administration & Supervision (3 Credit Hours)**

    - This course covers the principles and practices of technology integration in educational administration and supervision. Students will learn about the role of technology in education, the development of technology-based administrative strategies, and strategies for integrating technology into educational administration.

7. **PBL Scenario 2: Develop a Community Intervention Program in Education Management (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address an education management issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Educational Policy and Advocacy

1. **EDU 202: Critical Thinking and Problem Solving (3 Credit Hours)**

    - This course covers the principles and practices of critical thinking and problem-solving. Students will learn about the development of critical thinking skills, the role of problem-solving in education, and strategies for promoting critical thinking and problem-solving in educational settings.

2. **EDGM 203: School Finance and Budgeting (3 Credit Hours)**

- This course covers the principles and practices of school finance and budgeting. Students will learn about budgeting, financial planning, resource allocation, and the management of financial resources in educational settings.

3. **EDMG 206: Education Policy Analysis and Advocacy (2 Credit Hours)**

    - This course covers the principles and practices of education policy analysis and advocacy. Students will learn about the policy-making process, the role of advocacy in education, and strategies for analyzing and advocating for education policies.

4. **OPD 208: Online Professional Development and Networking II in Education Management (3 Credit Hours)**

    - This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

5. **EDAD 210: Legal and Ethical Issues in Education (3 Credit Hours)**

    - This course covers the legal and ethical issues in education. Topics include education law, ethical decision-making, and the legal and ethical responsibilities of education administrators.

6. **DCT 212: Data Collection Techniques (3 Credit Hours)**

    - This course covers the techniques and methods used in data collection for education management research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Technology Integration in Education Management

1. **EDMG 301: Educational Marketing and Communication (3 Credit Hours)**

    - This course covers the principles and practices of educational marketing and communication. Students will learn about marketing strategies, communication theories, and the promotion of educational programs and services.

2. **ENTP 303: Entrepreneurship & Innovation in Education Management (3 Credit Hours)**

    - This course explores the principles of entrepreneurship and innovation in education management. Students will learn how to develop and implement innovative solutions to education management challenges.

3. **EDMG 305: Technology for Educational Assessment and Evaluation (3 Credit Hours)**

    - This course covers the principles and practices of technology for educational assessment and evaluation. Students will learn about the use of technology in assessment and

evaluation, data analysis techniques, and strategies for implementing technology-based assessment and evaluation in educational settings.

4. **EDU 301: Learning Management Systems for Online Education (3 Credit Hours)**
    - This course covers the principles and practices of learning management systems for online education. Students will learn about the development of online learning environments, the role of learning management systems in education, and strategies for promoting online learning in educational settings.
5. **EDMG 309: Digital Leadership in Education (3 Credit Hours)**
    - This course covers the principles and practices of digital leadership in education. Students will learn about the role of digital leaders in education, the development of digital leadership strategies, and strategies for promoting digital leadership in educational settings.
6. **PBL Scenario 3: Implementing a Community Intervention Program in Education Management (2 Credit Hours)**
    - In this problem-based learning scenario, students will implement a community intervention program to address an education management issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Research and Innovation in Education Management

1. **CP 302: Capstone Project Preparation (3 Credit Hours)**
    - This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.
2. **PBL Scenario 4: Designing a Primary Education Promotion Campaign (2 Credit Hours)**
    - In this problem-based learning scenario, students will design a primary education promotion campaign to address an education management issue. They will work in teams to develop, implement, and evaluate their campaign.
3. **EDMG 302: Data Analytics for Education Decision-Making (3 Credit Hours)**
    - This course covers the principles and practices of data analytics for education decision-making. Students will learn about the use of data in educational decision-making, data analysis techniques, and strategies for implementing data-driven decision-making in educational settings.
4. **EDMG 304: Strategic Innovation in Education (3 Credit Hours)**

- This course covers the principles and practices of strategic innovation in education. Students will learn about the development of innovative strategies, the role of strategic innovation in education, and strategies for implementing innovative practices in educational settings.

5. **EDAD 306: Assessment and Accountability in Education (2 Credit Hours)**

    - This course covers the principles and practices of assessment and accountability in education. Students will learn about the development of assessment strategies, the role of accountability in education, and strategies for implementing assessment and accountability in educational settings.

6. **EDMG 308: Global Trends in Education Management (2 Credit Hours)**

    - This course covers the principles and practices of global trends in education management. Students will learn about the impact of global trends on education, the development of global education strategies, and strategies for integrating global perspectives into education management.

Semester 7: International Perspectives in Education Management

1. **ENGL 401: Academic Writing and Publication (4 Credit Hours)**

    - This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

2. **EDU 403: Professional Development in Education (3 Credit Hours)**

    - This course focuses on the professional development of education students. Topics include career planning, resume writing, interview skills, and professional ethics.

3. **EDMG 403: Cross-Cultural Leadership in Education (3 Credit Hours)**

    - This course covers the principles and practices of cross-cultural leadership in education. Students will learn about the role of cross-cultural leadership in education, the development of cross-cultural leadership strategies, and strategies for promoting cross-cultural leadership in educational settings.

4. **EDMG 409: Field Experience in Education Management (3 Credit Hours)**

    - This course provides hands-on experience in education management settings. Students will work with education managers, gain practical skills, and apply their academic knowledge to real-world education management problems.

5. **EDMG 407: Comparative Education Systems (2 Credit Hours)**

- This course covers the principles and practices of comparative education systems. Students will learn about the development of education systems in different countries, the role of comparative education in education management, and strategies for analyzing and comparing education systems.

6. **EDMG 411: International Collaboration in Education Management (2 Credit Hours)**

    - This course covers the principles and practices of international collaboration in education management. Students will learn about the role of international collaboration in education, the development of collaborative strategies, and strategies for promoting international collaboration in education management.

7. **EDMG 405: Innovative Technology Solutions for Educational Management (2 Credit Hours)**

    - This course covers the principles and practices of innovative technology solutions for educational management. Students will learn about the role of technology in education management, the development of technology-based management strategies, and strategies for implementing innovative technology solutions in educational settings.

Semester 8: Culminating Experience - Bachelor of Education Management

1. **CP 402: Capstone Project (6 Credit Hours)**

    - The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world education management issue. Students will conduct research, develop a project, and present their findings.

2. **INTP 404: Field Experience (Internship) (6 Credit Hours)**

    - This internship provides hands-on experience in an education management setting. Students will work with education managers, gain practical skills, and apply their academic knowledge to real-world problems.

3. **PUBL 406: Final Publication (3 Credit Hours)**

    - This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Science in Plant and Soil Science

Semester 1: Introduction to Plant and Soil Science

1. **PASS 101: Introduction to Plant and Soil Science (3 Credit Hours)**
    - This course provides an overview of plant and soil science, including its principles, practices, and the role of plant and soil scientists. Students will learn about the structure and function of plants, soil properties, and the interactions between plants and soils.
2. **BIOL 101: Fundamentals of Biology (4 Credit Hours)**
    - This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.
3. **PUBH 101: Introduction to Public Health (3 Credit Hours)**
    - This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.
4. **ENGL 101: English Grammar and Academic Writing I (3 Credit Hours)**
    - This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.
5. **Math 101: Foundations of Mathematics (3 Credit Hours)**
    - This course provides a foundation in mathematical concepts and techniques that are essential for plant and soil science studies. Topics include algebra, statistics, and probability.
6. **CEPRES 101: Introduction to University Studies (3 Credit Hours)**
    - This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Soil Health and Nutrient Management

1. **PASS 107: Soil Composition and Structure (3 Credit Hours)**

- This course covers the principles and practices of soil composition and structure. Students will learn about the physical and chemical properties of soils, soil formation, and the role of soil composition and structure in plant growth.

2. **PASS 105: Soil Fertility and Nutrient Cycles (3 Credit Hours)**

    - This course covers the principles and practices of soil fertility and nutrient cycles. Students will learn about the role of nutrients in plant growth, nutrient cycling in soils, and strategies for managing soil fertility.

3. **PASS 104: Sustainable Soil Management Practices (3 Credit Hours)**

    - This course covers the principles and practices of sustainable soil management. Students will learn about the conservation of soil resources, the use of sustainable soil management practices, and the impact of soil management on the environment.

4. **RM 103: Foundations in Research Methods (3 Credit Hours)**

    - This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

5. **ENGL 102: English Grammar and Academic Writing II (3 Credit Hours)**

    - This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

6. **MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours)**

    - This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in plant and soil science.

7. **PBL Scenario 1: Identifying Agriculture Disparities (2 Credit Hours)**

    - This problem-based learning scenario focuses on identifying and addressing disparities in agriculture. Students will work in teams to develop solutions to real-world agriculture problems.

Semester 3: Plant Physiology and Genetics

1. **PASS 201: Cellular Processes in Plants (3 Credit Hours)**

    - This course covers the principles and practices of cellular processes in plants. Students will learn about the structure and function of plant cells, cellular metabolism, and the role of cellular processes in plant growth and development.

2. **PASS 203: Genetic Principles in Plant Science (3 Credit Hours)**

- This course covers the principles and practices of genetics in plant science. Students will learn about the principles of inheritance, genetic variation, and the role of genetics in plant breeding and biotechnology.

3. **PASS 205: Integrating Biotechnology in Agriculture (3 Credit Hours)**

    - This course covers the principles and practices of biotechnology in agriculture. Students will learn about the use of biotechnology in plant breeding, genetic engineering, and the development of biotechnology-based agricultural practices.

4. **OPD 207: Online Professional Development and Networking I in Agriculture (2 Credit Hours)**

    - This course focuses on professional development and networking skills. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

5. **STATS 210: Introduction to Statistics (3 Credit Hours)**

    - This course covers the principles and practices of statistics. Students will learn about the development of statistical knowledge, the role of statistics in agriculture, and strategies for teaching statistics in agricultural settings.

6. **PASS 2011: Technology Integration in Plant & Soil Science (Agriculture) (3 Credit Hours)**

    - This course covers the principles and practices of technology integration in plant and soil science. Students will learn about the role of technology in agriculture, the development of technology-based agricultural practices, and strategies for integrating technology into plant and soil science.

7. **PBL Scenario 2: Developing a Community Intervention Program in Agriculture (2 Credit Hours)**

    - In this problem-based learning scenario, students will develop a community intervention program to address an agriculture issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Crop Production and Management

PASS 202: Crop Selection and Breeding (3 Credit Hours) This course covers the principles and practices of crop selection and breeding. Students will learn about the genetic basis of crop improvement, breeding techniques, and the development of new crop varieties.

PASS 204: Precision Farming Technologies (3 Credit Hours) This course examines the use of precision farming technologies in crop production. Topics include the use of GPS, remote sensing, and variable rate technology to optimize crop management.

PASS 206: Irrigation and Water Management (3 Credit Hours) This course covers the principles and practices of irrigation and water management in agriculture. Students will learn about irrigation systems, water conservation techniques, and the management of water resources.

OPD 208: Online Professional Development and Networking II in Agriculture (3 Credit Hours) This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

PASS 210: Sustainable Crop Management Practices (3 Credit Hours) This course examines sustainable practices for managing crop production. Topics include integrated pest management, crop rotation, and the use of organic fertilizers.

DCT 212: Data Collection Techniques (3 Credit Hours) This course covers the techniques and methods used in data collection for agricultural research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Environmental Impact and Conservation

PASS 301: Impact of Agriculture on the Environment (2 Credit Hours) This course explores the environmental impacts of agricultural practices. Topics include soil erosion, water pollution, and the effects of pesticides and fertilizers on ecosystems.

ENTP 303: Entrepreneurship & Innovation (3 Credit Hours) This course explores the principles of entrepreneurship and innovation in agriculture. Students will learn how to develop and implement innovative solutions to agricultural challenges.

PASS 305: Identification and Control of Plant Pests (2 Credit Hours) This course covers the principles and practices of plant pest identification and control. Students will learn about the biology of plant pests, pest management strategies, and the use of pesticides.

PASS 307: Data-Driven Approaches to Environmental Monitoring (3 Credit Hours) This course examines the use of data-driven approaches to monitor environmental conditions. Topics include the use of sensors, remote sensing, and data analysis techniques to assess environmental health.

PASS 309: Soil Chemistry (3 Credit Hours) This course covers the chemical properties of soils and their impact on plant growth. Topics include soil pH, nutrient availability, and the use of soil amendments to improve soil fertility.

PBL Scenario 3: Implementing a Community Intervention Program III in Agriculture (2 Credit Hours) In this problem-based learning scenario, students will implement a community intervention program to address an agricultural issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Advanced Technologies in Agriculture

CP 302: Capstone Project Preparation (3 Credit Hours) This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

PBL Scenario 4: Designing an Agriculture Promotion Campaign (2 Credit Hours) In this problem-based learning scenario, students will design an agriculture promotion campaign to address an agricultural issue. They will work in teams to develop, implement, and evaluate their campaign.

PASS 302: Internet of Things (IoT) Applications in Agriculture (3 Credit Hours) This course explores the use of IoT applications in agriculture. Topics include the use of sensors, data analytics, and automation to improve agricultural productivity.

PASS 304: Remote Sensing and GIS in Crop Monitoring (3 Credit Hours) This course covers the principles and practices of remote sensing and GIS in crop monitoring. Students will learn about the use of satellite imagery, drones, and GIS software to monitor crop health and productivity.

STATS 3011: Introduction to Statistics II (3 Credit Hours) This course builds on the concepts covered in STATS 210. Students will learn about advanced statistical techniques and their applications in agricultural research.

PASS 308: Soil Classification and Multivariate Methods (3 Credit Hours) This course covers the principles and practices of soil classification and the use of multivariate methods in soil science. Topics include soil taxonomy, soil survey techniques, and the use of statistical methods to analyze soil data.

Semester 7: Global Perspectives on Environmental Health

ENGL 401: Academic Writing and Publication (4 Credit Hours) This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

AGRI 403: Professional Development in Agriculture (3 Credit Hours) This course focuses on the professional development of agriculture students. Topics include career planning, resume writing, interview skills, and professional ethics.

PASS 403: Machine Learning and AI for Precision Agriculture (3 Credit Hours) This course explores the application of machine learning and artificial intelligence in precision agriculture. Topics include data analysis, predictive modeling, and the use of AI to optimize agricultural practices.

PASS 405: Agriculture Engineering (3 Credit Hours) This course covers the principles and practices of agricultural engineering. Students will learn about the design and operation of agricultural machinery, irrigation systems, and other technologies used in modern agriculture.

PASS 407: Fertility Management & Plant Nutrition (2 Credit Hours) This course focuses on the management of soil fertility and plant nutrition. Topics include nutrient management, soil amendments, and the use of fertilizers to enhance plant growth.

PASS 411: Plant Genetics & Breeding (3 Credit Hours) This course covers the principles and techniques of plant genetics and breeding. Students will learn about genetic variation, breeding methods, and the development of new plant varieties.

Semester 8: Integration and Professional Development

CP 402: Capstone Project (6 Credit Hours) The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world agricultural issue. Students will conduct research, develop a project, and present their findings.

INTP 404: Field Experience (Internship) (6 Credit Hours) This internship provides hands-on experience in an agricultural setting. Students will work with agricultural professionals, gain practical skills, and apply their academic knowledge to real-world problems.

PUBL 406: Final Publication (3 Credit Hours) This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

BSc in Sustainable Agriculture degree program

Semester 1: Fundamentals of Sustainable Agriculture

SUAG 101: Fundamentals of Sustainable Agriculture (3 Credit Hours) This course provides an introduction to the principles and practices of sustainable agriculture. Topics include sustainable farming techniques, soil health, crop rotation, and the environmental impact of agricultural practices.

BIOL 101: Fundamentals of Biology (4 Credit Hours) This course covers the basic concepts of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.

PUBH 101: Introduction to Public Health (3 Credit Hours) This course provides an overview of the field of public health, including its history, core functions, and essential services. Students will learn about the determinants of health, health disparities, and the role of public health in disease prevention and health promotion.

ENGL 101: English Grammar and Academic Writing I (3 Credit Hours) This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.

Math 101: Foundations of Mathematics (3 Credit Hours) This course provides a foundation in mathematical concepts and techniques that are essential for sustainable agriculture studies. Topics include algebra, statistics, and probability.

CEPRES 101: Introduction to University Studies (3 Credit Hours) This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Technology Integration in Sustainable Agriculture

SUAG 102: Agro-Technology Innovations (3 Credit Hours) This course explores the latest technological innovations in agriculture. Topics include precision farming, the use of drones and sensors, and the application of data analytics to improve agricultural productivity.

PASS 104: Sustainable Soil Management Practices (3 Credit Hours) This course examines sustainable practices for managing soil health and fertility. Students will learn about soil conservation techniques, organic farming practices, and the use of cover crops and compost.

RM 103: Foundations in Research Methods (3 Credit Hours) This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

ENGL 102: English Grammar and Academic Writing II (3 Credit Hours) This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours) This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in sustainable agriculture.

PBL Scenario 1: Identifying Sustainable Agriculture Disparities (3 Credit Hours) This problem-based learning scenario focuses on identifying and addressing disparities in sustainable agricultural practices. Students will work in teams to develop solutions to real-world agricultural problems.

Semester 3: Nutritional Agriculture and Zoonotic Disease Awareness

SUAG 201: Nutritional Agriculture (3 Credit Hours) This course explores the relationship between agriculture and nutrition. Topics include the nutritional value of different crops, the impact of agricultural practices on food quality, and strategies for improving nutritional outcomes through sustainable farming.

SUAG 203: Zoonotic Diseases and Agriculture (3 Credit Hours) This course examines the intersection of agriculture and zoonotic diseases. Students will learn about the transmission of diseases from animals to humans, the impact of zoonotic diseases on agriculture, and strategies for disease prevention and control.

OPD 207: Online Professional Development and Networking I in Sustainable Agriculture (3 Credit Hours) This course focuses on professional development and networking skills specific to the field of sustainable agriculture. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

SUAG 209: Nutrition and Disease Prevention (3 Credit Hours) This course covers the principles of nutrition and its role in disease prevention. Topics include dietary guidelines, the impact of nutrition on health, and strategies for promoting healthy eating habits.

SUAG 211: Technology Integration in Sustainable Agriculture (3 Credit Hours) This course explores the integration of technology in sustainable agriculture. Topics include precision agriculture, remote sensing, and the use of geographic information systems (GIS) in agriculture.

PBL Scenario 2: Develop a Community Intervention Program in Sustainable Agriculture (3 Credit Hours) In this problem-based learning scenario, students will develop a community intervention program to address an agricultural issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Sustainable Practices and Environmental Health

SUAG 202: Future Trends in Sustainable Agriculture (3 Credit Hours) This course examines emerging trends and future directions in sustainable agriculture. Topics include climate change, technological advancements, and the evolving role of agriculture in global food security.

SUAG 204: Organic Farming and Agroecology (3 Credit Hours) This course covers the principles and practices of organic farming and agroecology. Students will learn about organic certification, sustainable farming techniques, and the ecological interactions between crops and their environment.

SUAG 206: Water and Soil Management (3 Credit Hours) This course focuses on the management of water and soil resources in agriculture. Topics include irrigation systems, water conservation techniques, and soil health management.

OPD 208: Online Professional Development and Networking II in Sustainable Agriculture (3 Credit Hours) This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

SUAG 211: Marketing Strategies for Sustainable Products (3 Credit Hours) This course explores marketing strategies for sustainable agricultural products. Topics include market research, branding, and the promotion of sustainable products to consumers.

SUAG 213: Balancing Agriculture and Environmental Conservation (3 Credit Hours) This course examines the balance between agricultural production and environmental conservation. Students will learn about sustainable farming practices, conservation strategies, and the impact of agriculture on biodiversity.

DCT 212: Data Collection Techniques (3 Credit Hours) This course covers the techniques and methods used in data collection for agricultural research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Community Engagement and Social Impact

SUAG 301: Economic Aspects of Sustainable Agriculture (2 Credit Hours) This course explores the economic principles and practices of sustainable agriculture. Topics include cost-benefit analysis, economic sustainability, and the financial management of sustainable farms.

PASS 301: Impact of Agriculture on the Environment (3 Credit Hours) This course explores the environmental impacts of agricultural practices. Topics include soil erosion, water pollution, and the effects of pesticides and fertilizers on ecosystems.

ENTP 303: Agripreneurship and Social Enterprise / Entrepreneurship & Innovation (3 Credit Hours) This course explores the principles of entrepreneurship and innovation in agriculture. Students will learn how to develop and implement innovative solutions to agricultural challenges.

SUAG 305: Ethical Agribusiness Practices (3 Credit Hours) This course covers the ethical principles and practices in agribusiness. Topics include corporate social responsibility, ethical decision-making, and the impact of agribusiness on communities and the environment.

SUAG 307: Social Determinants of Health in Agriculture (3 Credit Hours) This course examines the social determinants of health as they relate to agriculture. Topics include the impact of agricultural practices on community health, food security, and the role of agriculture in promoting health equity.

SUAG 309: Strengthening Local Food Systems (3 Credit Hours) This course explores strategies for strengthening local food systems. Topics include community-supported agriculture, local food networks, and the promotion of local food production and consumption.

PBL Scenario 3: Implementing a Community Intervention Program in Sustainable Agriculture (3 Credit Hours) In this problem-based learning scenario, students will implement a community intervention program to address an agricultural issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Applied Research and Case Studies

SUAG 310: Sustainable Agribusiness Development (3 Credit Hours) This course covers the principles and practices of sustainable agribusiness development. Topics include business planning, financial management, and the development of sustainable business models.

CP 302: Capstone Project Preparation (3 Credit Hours) This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

PBL Scenario 4: Designing a Sustainable Agriculture Promotion Campaign (3 Credit Hours) In this problem-based learning scenario, students will design a promotion campaign to address an agricultural issue. They will work in teams to develop, implement, and evaluate their campaign.

SUAG 304: Designing and Conducting Field Studies (3 Credit Hours) This course covers the principles and practices of designing and conducting field studies in agriculture. Students will learn about research design, data collection, and data analysis techniques.

SUAG 306: Case Studies in Sustainable Agriculture (3 Credit Hours) This course examines case studies in sustainable agriculture. Students will analyze real-world examples of sustainable farming practices and their impact on agricultural productivity and environmental health.

SUAG 308: Problem-Solving Exercises (3 Credit Hours) This course focuses on problem-solving exercises in sustainable agriculture. Students will work on practical problems and develop solutions using their knowledge and skills in sustainable farming.

Semester 7: Entrepreneurship in Sustainable Agriculture

ENGL 401: Academic Writing and Publication (4 Credit Hours) This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

AGRI 403: Professional Development in Agriculture (3 Credit Hours) This course focuses on the professional development of agriculture students. Topics include career planning, resume writing, interview skills, and professional ethics.

SUAG 403: Analyzing Complex Agricultural Issues (3 Credit Hours) This course examines complex issues in sustainable agriculture. Students will analyze case studies and develop solutions to challenges such as climate change, food security, and sustainable resource management.

SUAG 405: Business Models for Sustainable Farms (3 Credit Hours) This course explores different business models for sustainable farms. Topics include financial planning, market analysis, and the development of sustainable business strategies.

SUAG 407: Marketing and Sales Strategies (2 Credit Hours) This course covers marketing and sales strategies for sustainable agricultural products. Students will learn about market research, branding, and the promotion of sustainable products to consumers.

SUAG 409: Creating Sustainable Agribusiness Plans (3 Credit Hours) This course focuses on the development of sustainable agribusiness plans. Students will learn how to create comprehensive business plans that address financial, environmental, and social aspects of sustainable agriculture.

SUAG 411: Ethical Considerations in Agribusiness (3 Credit Hours) This course covers the ethical principles and practices in agribusiness. Topics include corporate social responsibility, ethical decision-making, and the impact of agribusiness on communities and the environment.

Semester 8: Capstone Project and Future Directions

CP 402: Capstone Project (6 Credit Hours) The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world agricultural issue. Students will conduct research, develop a project, and present their findings.

INTP 404: Field Experience (Internship) (6 Credit Hours) This internship provides hands-on experience in an agricultural setting. Students will work with agricultural professionals, gain practical skills, and apply their academic knowledge to real-world problems.

PUBL 406: Final Publication (3 Credit Hours) This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Public Administration

Semester 1: Introduction to Public Administration

PADM 101: Introduction to Public Administration (3 Credit Hours) This course provides an overview of the field of public administration, including its history, theories, and practices. Students will learn about the role of public administrators, the structure of government agencies, and the principles of public management.

BIO 101: Principles of Biology I (4 Credit Hours) This course covers the fundamental principles of biology, including cell structure and function, genetics, evolution, and ecology. Laboratory sessions provide hands-on experience in biological research techniques.

ENGL 101: English Grammar and Academic Writing I (3 Credit Hours) This course focuses on the fundamentals of English grammar and academic writing. Students will develop skills in writing clear, coherent, and well-organized essays and research papers.

Math 101: Foundations of Mathematics for Public Administration Professionals (3 Credit Hours) This course provides a foundation in mathematical concepts and techniques that are essential for public administration studies. Topics include algebra, statistics, and probability.

CEPRES 101: Introduction to University Studies (3 Credit Hours) This course is designed to help students transition to university life. It covers study skills, time management, and academic resources available to students.

Semester 2: Introduction to Public Administration

PADM 108: Public Administration in Liberian Society (2 Credit Hours) This course examines the role of public administration in the context of Liberian society. Topics include the structure of government, public policy, and the challenges faced by public administrators in Liberia.

PADM 106: Financial Accounting I (3 Credit Hours) This course introduces the principles of financial accounting. Students will learn about financial statements, accounting cycles, and the basics of financial reporting.

PADM 104: Introduction to Procurement and Supply Chain Management (3 Credit Hours) This course covers the principles and practices of procurement and supply chain management. Topics include purchasing, inventory management, and the role of supply chains in public administration.

RM 103: Foundations in Research Methods (3 Credit Hours) This course covers the principles and techniques of research design and methodology. Students will learn how to develop research questions, design studies, and analyze data.

ENGL 102: English Grammar and Academic Writing II (3 Credit Hours) This course builds on the skills developed in ENGL 101. Students will focus on advanced grammar, writing techniques, and research paper development.

MATH 102: Trigonometry and Advanced Mathematics (3 Credit Hours) This course covers advanced mathematical concepts, including trigonometry, calculus, and their applications in public administration.

PBL Scenario 1: Identifying Public Administration Disparities (2 Credit Hours) This problem-based learning scenario focuses on identifying and addressing disparities in public administration practices. Students will work in teams to develop solutions to real-world public administration problems.

Semester 3: Economics of Public Administration

ECON 201: Microeconomics (3 Credit Hours) This course introduces the principles of microeconomics. Students will learn about supply and demand, market structures, and the behavior of consumers and firms.

PADM 203: Administrative Law (3 Credit Hours) This course covers the principles and practices of administrative law. Topics include the legal framework of public administration, regulatory processes, and the role of administrative agencies.

OPD 207: Online Professional Development and Networking I in Public Administration (2 Credit Hours) This course focuses on professional development and networking skills specific to the field of public administration. Students will learn how to build a professional online presence, network with peers and professionals, and develop career plans.

PADM 207: Financial Accounting II (3 Credit Hours) This course builds on the concepts covered in Financial Accounting I. Students will learn about advanced accounting topics, including financial analysis, budgeting, and financial decision-making.

PADM 211: Technology Integration in Public Administration (3 Credit Hours) This course explores the integration of technology in public administration. Topics include e-government, information systems, and the use of technology to improve public services.

PBL Scenario 2: Develop a Community Intervention Program in Public Administration (2 Credit Hours) In this problem-based learning scenario, students will develop a community intervention program to address a public administration issue. They will work in teams to design, implement, and evaluate their program.

Semester 4: Public Policy and Non-Profit Agencies

PADM 202: Insurance and Risk Management (3 Credit Hours) This course covers the principles and practices of insurance and risk management. Topics include risk assessment, insurance policies, and the management of risk in public administration.

PADM 204: Introduction to Public Policy (3 Credit Hours) This course provides an overview of the public policy process. Students will learn about policy formulation, implementation, and evaluation, as well as the role of public administrators in the policy process.

PADM 206: Introduction to Non-Profit Agencies (2 Credit Hours) This course examines the role of non-profit agencies in public administration. Topics include the management of non-profit organizations, fundraising, and the relationship between non-profits and government agencies.

OPD 208: Online Professional Development and Networking II in Public Administration (3 Credit Hours) This course builds on the skills developed in OPD 207. Students will focus on advanced networking techniques, professional development, and career planning.

PADM 210: Role of Government and Public Agencies (3 Credit Hours) This course explores the role of government and public agencies in society. Topics include the structure of government, the functions of public agencies, and the relationship between government and citizens.

DCT 212: Data Collection Techniques (3 Credit Hours) This course covers the techniques and methods used in data collection for public administration research. Students will learn about survey design, data collection tools, and data management.

Semester 5: Public Sector Management

PADM 301: Human Resource Management in the Public Sector (3 Credit Hours) This course covers the principles and practices of human resource management in the public sector. Topics include recruitment, selection, training, performance management, and employee relations.

ENTP 303: Entrepreneurship & Innovation (3 Credit Hours) This course explores the principles of entrepreneurship and innovation. Students will learn how to develop and implement innovative solutions to public administration challenges.

PADM 305: Public and Non-Public Financial Management (3 Credit Hours) This course covers the principles and practices of financial management in both public and non-public sectors. Topics include budgeting, financial analysis, and the management of public funds.

PADM 307: Urban Economic Development (3 Credit Hours) This course examines the principles and practices of urban economic development. Topics include economic planning, urban renewal, and the role of public administration in promoting economic growth.

PADM 309: Public Budgeting and Finance (3 Credit Hours) This course covers the principles and practices of public budgeting and finance. Students will learn about budget preparation, financial management, and the role of budgeting in public administration.

PBL Scenario 3: Implementing a Community Intervention Program in Public Administration (2 Credit Hours) In this problem-based learning scenario, students will implement a community intervention

program to address a public administration issue. They will work in teams to design, implement, and evaluate their program.

Semester 6: Strategic Planning and Management

CP 302: Capstone Project Preparation (3 Credit Hours) This course prepares students for their capstone project. Students will develop a project proposal, conduct a literature review, and design a research study.

PBL Scenario 4: Designing an Administration Promotion Campaign (2 Credit Hours) In this problem-based learning scenario, students will design a promotion campaign to address a public administration issue. They will work in teams to develop, implement, and evaluate their campaign.

PADM 302: Strategic Planning and Management in the Public and Non-Profit Sectors (2 Credit Hours) This course covers the principles and practices of strategic planning and management in public and non-profit sectors. Topics include strategic analysis, planning processes, and the implementation of strategic plans.

PADM 304: Public Information Systems (3 Credit Hours) This course explores the role of information systems in public administration. Topics include data management, information technology, and the use of information systems to improve public services.

PADM 306: Financial Management (3 Credit Hours) This course covers the principles and practices of financial management in public administration. Topics include financial planning, budgeting, and the management of public funds.

PADM 308: Communication in Supply Chain Management (3 Credit Hours) This course examines the principles and practices of communication in supply chain management. Topics include communication strategies, information flow, and the role of communication in supply chain efficiency.

PADM 310: Comparative Public Administration (2 Credit Hours) This course compares public administration practices in different countries. Topics include administrative systems, public policy, and the role of public administrators in various cultural and political contexts.

Semester 7: Advanced Public Administration

ENGL 401: Academic Writing and Publication (4 Credit Hours) This course focuses on advanced academic writing and publication. Students will learn how to write research papers, prepare manuscripts for publication, and navigate the peer-review process.

PADM 407: Public Policy and Analysis (3 Credit Hours) This course covers the principles and practices of public policy analysis. Topics include policy evaluation, policy impact assessment, and the role of public administrators in policy analysis.

MANG 403: Analysis of Supply Markets and Supplies (3 Credit Hours) This course examines the analysis of supply markets and supplies. Topics include market research, supply chain analysis, and the role of public administrators in managing supply chains.

PADM 405: Substantive Criminal Law (3 Credit Hours) This course covers the principles and practices of substantive criminal law. Topics include the elements of criminal offenses, defenses to criminal charges, and the role of public administrators in the criminal justice system.

PADM 403: Professional Development in Public Administration (3 Credit Hours) This course focuses on the professional development of public administration students. Topics include career planning, resume writing, interview skills, and professional ethics.

PADM 409: Change Management (2 Credit Hours) This course covers the principles and practices of change management in public administration. Topics include organizational change, leadership strategies, and the role of public administrators in managing change.

PADM 411: Business and Company Law (2 Credit Hours) This course examines the principles and practices of business and company law. Topics include corporate governance, business regulations, and the legal responsibilities of public administrators.

Semester 8: Integration and Professional Development

CP 402: Capstone Project (6 Credit Hours) The capstone project is a culminating experience that allows students to apply their knowledge and skills to a real-world public administration issue. Students will conduct research, develop a project, and present their findings.

INTP 404: Field Experience (Internship) (6 Credit Hours) This internship provides hands-on experience in a public administration setting. Students will work with public administration professionals, gain practical skills, and apply their academic knowledge to real-world problems.

PUBL 406: Final Publication (3 Credit Hours) This course focuses on the preparation and publication of a final research paper. Students will learn how to write, revise, and submit their research for publication in academic journals.

Bachelor of Science in Project Management

Semester 1: Foundations of Project Management

Introduction to Project Management (PMGT 101, 3 Credit Hours)
This course provides an overview of project management principles, introducing students to the project life cycle and various tools and techniques used in the field.

Basic English (ENGL 103, 3 Credit Hours)
Students will focus on grammar and composition, reading and comprehension, and developing oral communication skills.

Mathematics for Business (MATH 105, 3 Credit Hours)
This course covers algebra, basic calculus, and statistics and probability, providing a mathematical foundation for business applications.

Introduction to Information Technology (IT 107, 3 Credit Hours)
Students will learn basic IT concepts, office productivity tools, and gain an introduction to project management software.

Introduction to System Thinking (SYST 109, 3 Credit Hours)
This course explores the principles of systems thinking, its applications in project management, and includes case studies to illustrate these concepts.

Semester 2: Project Management Tools and Communication

Project Management Tools and Techniques (PMGT 102, 3 Credit Hours)
This course offers a detailed study of project management tools such as Microsoft Project, Asana, and Trello, with practical sessions and hands-on experience.

Academic Writing (ENGL 104, 3 Credit Hours)
Students will learn to write research papers and reports, cite sources correctly, and avoid plagiarism.

Business Communication (COMM 106, 3 Credit Hours)
This course focuses on effective business writing, presentation skills, and interpersonal communication.

Principles of Management (MGMT 108, 3 Credit Hours)
Students will study the functions of management, organizational structure, and leadership and motivation.

Introduction to Stakeholder Analysis (STKH 110, 3 Credit Hours)
This course covers identifying stakeholders, developing stakeholder management strategies, and includes case studies.

Semester 3: Advanced Project Management Techniques

Advanced Project Management (PMGT 201, 3 Credit Hours)
This course delves into advanced project management concepts and methodologies, with case studies and practical applications.

Agile Project Management (PMGT 203, 3 Credit Hours)
Students will learn the principles of Agile, the Scrum framework, and various Agile tools and techniques.

Financial Management for Projects (FIN 205, 3 Credit Hours)
This course covers budgeting and cost management, financial analysis, and risk management in the context of projects.

Research Methodology (RESM 207, 3 Credit Hours)
Students will learn about research design and methods, data collection and analysis, and how to write a research proposal.

Team Management and Leadership (LEAD 209, 3 Credit Hours)
This course focuses on building and leading teams, conflict resolution, and performance management.

Semester 4: Certification and Operations Management

Google Project Management Certification Preparation (CERT 202, 3 Credit Hours)
Students will prepare for the Google Project Management Certification through study guides, exam preparation, and practical applications.

PMP Certification Preparation (CERT 204, 3 Credit Hours)
This course prepares students for the PMP Certification with study guides, practice exams, and practical applications.

Operations Management (OPMT 206, 3 Credit Hours)
Students will learn about process analysis, quality management, and supply chain management.

Change Management (CHNG 208, 3 Credit Hours)
This course covers managing change in organizations, change management models, and includes case studies.

Professional Ethics and Legal Issues in Project Management (ETHL 210, 3 Credit Hours)
Students will explore ethical decision-making, legal aspects of project management, and case studies.

Semester 5: Strategic and Quality Management

Capstone Project I (PMGT 301, 3 Credit Hours)
Students will begin their capstone project, focusing on project proposal, planning, and initial implementation.

Project Risk Management (RISK 303, 3 Credit Hours)
This course covers identifying and assessing risks, developing risk mitigation strategies, and includes case studies.

Quality Management (QUAL 305, 3 Credit Hours)
Students will learn about quality planning and control, continuous improvement, and various tools and techniques.

Strategic Management (STRAT 307, 3 Credit Hours)
This course focuses on strategic planning and implementation, competitive analysis, and includes case studies.

Elective 1 (3 Credit Hours)
Students can choose from Advanced Agile Practices, Data Analytics for Project Managers, or Human Resource Management.

Semester 6: Global and Innovative Project Management

Capstone Project II (PMGT 302, 3 Credit Hours)
Students will continue their capstone project, focusing on project implementation, monitoring and control, and final presentation and report.

Global Project Management (GLOB 304, 3 Credit Hours)
This course covers managing international projects, cross-cultural communication, and includes case studies.

Innovation and Entrepreneurship (INNO 306, 3 Credit Hours)
Students will learn about developing innovative ideas, business planning, and funding and launching a startup.

Elective 2 (3 Credit Hours)
Students can choose from Advanced Risk Management, Sustainable Project Management, or Digital Transformation in Projects.

Internship (INTR 310, 3 Credit Hours)
Students will gain practical experience in a project management role, culminating in a reflective report and presentation.

Elective Courses

Advanced Agile Practices (PMGT 311, 3 Credit Hours)
Data Analytics for Project Managers (DATA 313, 3 Credit Hours)
Human Resource Management (HRM 315, 3 Credit Hours)
Advanced Risk Management (RISK 312, 3 Credit Hours)

Sustainable Project Management (SUST 314, 3 Credit Hours)
Digital Transformation in Projects (DIGI 316, 3 Credit Hours)

Certifications Included

Google Project Management Certification, Project Management Professional (PMP) Certification, and Agile Project Management Certification.

Project Management Software Covered

Asana, Microsoft Project, Trello, and other relevant tools and software as needed.

Additional Skills Developed

System Thinking, Stakeholder Analysis, Effective Communication, and Leadership and Team Management.

This curriculum aims to provide students with comprehensive knowledge and practical skills in project management, preparing them for various industry certifications and real-world project management roles.

Bachelor of Health Accounting

Semester 1: Foundations of Health Accounting

BHA 101: Introduction to Health Accounting
This course provides an overview of healthcare finance and accounting principles, emphasizing the importance of accurate financial data in healthcare organizations.

BHA 103: Basics of Information Technology in Healthcare
Students will be introduced to health information systems, including electronic health records and their role in health accounting.

BHA 105: Case Study 1: Analyzing Financial Data in a Healthcare Setting
This course involves applying foundational concepts to real-world scenarios, using technology tools to analyze and interpret financial data.

ENG 101: English Grammar and Academic Writing I (2 Credits)
This course covers English grammar, sentence construction, syntax, verb tenses, voice, pronouns, agreement, punctuation, and mechanics.

Math 111: Foundations of Mathematics for Health Professionals (3 Credits)
Students will review arithmetic, set theory, algebra, exponents, logarithms, and systems of equations, integrating these concepts to solve health-related problems.

CEPRES 101: Introduction to University Studies (2 Credits)
This course includes university orientation, academic success skills, basic computer skills, and collaborative tools and project management.

Semester 2: Healthcare Regulations and Compliance

BHA 102: Health Law and Regulations
Students will learn about legal frameworks in healthcare finance and compliance with regulatory requirements in health accounting.

BHA 104: Health Information Security
This course provides an overview of cybersecurity in healthcare, focusing on protecting patient information and financial data.

BHA 106: Case Study 2: Ensuring Compliance in Healthcare Accounting
Students will analyze a healthcare organization's financial practices for compliance and implement technology solutions to enhance compliance.

ENG 102: English Grammar and Academic Writing II (3 Credits)
This course focuses on academic writing, thesis statements, paragraph development, research skills, citation styles, and essay structure.

Math 102: Trigonometry and Advanced Mathematics for Health Professionals (3 Credits)
Students will study trigonometric functions, identities, equations, and their applications in health science problems, including modeling physiological processes and analyzing medical imaging.

Semester 3: Advanced Financial Management in Healthcare

BHA 201: Budgeting and Financial Planning in Healthcare
This course covers creating and managing budgets for healthcare organizations and strategic financial planning in a dynamic healthcare environment.

BHA 203: Advanced Technology Tools for Financial Analysis
Students will utilize advanced software for financial forecasting, data visualization, and interpretation techniques.

BHA 205: Case Study 3: Strategic Financial Decision-Making
This course involves analyzing complex financial scenarios in healthcare and developing strategies for financial sustainability.

Data Collection Techniques (3 Credits)
Students will explore various data collection methods, receive hands-on training in survey design, and learn technology-enhanced data collection strategies.

OPD 207 Online Professional Development and Networking I (2 Credits)
This course introduces certificate programs from platforms such as USAID Global Health Elearning and WHO Elearning, building a strong LinkedIn profile, and effective online networking skills.

Foundations of Global Health (2 Credits)
Students will learn about global health determinants, epidemiology, non-communicable diseases, health systems, and challenges in healthcare delivery in resource-limited settings.

Semester 4: Emerging Technologies and Data Analytics in Health Accounting

BHA 202: Blockchain and Cryptocurrencies in Healthcare Finance
This course explores the potential applications of blockchain and cryptocurrencies in health accounting, addressing security and ethical considerations.

BHA 204: Artificial Intelligence in Healthcare Financial Management
Students will learn about the role of AI in streamlining financial processes and machine learning applications in predicting financial trends.

BHA 206: Case Study 4: Integrating Emerging Technologies in Health Accounting
This course involves evaluating the implementation of blockchain and AI in a healthcare setting and assessing their impact on financial efficiency and accuracy.

BHA 208: Introduction to Data Analytics in Healthcare
Students will learn about the importance of data-driven decision-making in health accounting, including basics of data collection and analysis techniques.

OPD 207 Online Professional Development and Networking I (2 Credits)

BHA 210: Predictive Analytics for Healthcare Financial Management
This course covers using data to predict financial trends and outcomes, with case studies on successful predictive analytics in healthcare.

Online Professional Development and Networking II (3 Credits)
Students will join international health professional networks, engage in collaborative online projects, and leverage online platforms for career advancement.

Semester 5: Risk Management, Ethical Considerations, and Innovations in Health Accounting

BHA 301: Identifying Challenges in Contemporary Health Accounting
This course addresses current issues and challenges in healthcare financial management.

BHA 303: Designing Innovative Solutions
Students will integrate technology and research to address identified challenges, working on collaborative projects for innovative health accounting solutions.

BHA 305: Presentation and Evaluation
Students will present capstone projects to peers and industry professionals, receiving peer evaluation and feedback on their innovative solutions.

BHA 307: Risk Assessment in Healthcare Finance
This course covers identifying financial risks in healthcare organizations and implementing risk management strategies.

BHA 309: Ethical Issues in Health Accounting
Students will analyze ethical dilemmas in financial decision-making and develop a code of ethics for health accountants.

BHA 311: Case Study 6: Balancing Risk and Ethics in Health Accounting
This course involves evaluating real-world scenarios involving financial risks and ethical considerations, proposing solutions that prioritize both risk management and ethical standards.

Semester 6: Professional Development, Internship, and Industry Trends in Health Accounting

BHA 302: Professional Skills for Health Accountants
Students will enhance communication and collaboration skills, developing leadership and teamwork in a healthcare finance context.

BHA 304: Industry Trends and Innovations
This course covers the latest trends in health accounting, exploring future developments in technology and research.

BHA 306: Case Study 6: Navigating the Future of Health Accounting
Students will assess the impact of evolving industry trends on financial practices and develop strategies for adapting to future changes.

Introduction to Primary Health Care (PHC) (2 Credits)
This course covers the definition and principles of primary health care, its historical evolution, key components, and challenges in healthcare delivery.

Semester 7: Internship and Practical Experience

BHA 401: Internship Placement
Students will be placed in healthcare organizations, financial institutions, or related industries to apply learned concepts in a real-world setting.

BHA 403: Reflective Practice
This course involves regular reflection sessions to analyze and document internship experiences, identifying areas of personal and professional growth.

BHA 405: Final Internship Report
Students will compile a comprehensive report on their internship experience, reflecting on the integration of theoretical knowledge with practical application.

Semester 8: Research Project and Advanced Applications in Health Accounting

BHA 402: Capstone Project Preparation
Students will develop research proposals for health accounting projects, considering ethical considerations in health accounting research.

BHA 404: Advanced Applications of Technology in Health Accounting
This course explores cutting-edge technologies in the field and integrates technology into research projects.

BHA 406: Capstone Project Execution and Presentation

BHA 406 is a capstone course designed to integrate and apply the knowledge and skills students have acquired throughout the Bachelor of Health Accounting program. This course is a culmination of the academic journey, allowing students to demonstrate their proficiency in health accounting through a comprehensive research project.

This problem-based learning curriculum integrates the latest technologies and research findings to equip students with the skills needed for a Bachelor of Science in Health Accounting in the 21st century. Each semester focuses on a specific aspect of health accounting, blending theoretical knowledge with practical applications through case studies and a culminating capstone project

Bachelor of Science in Environmental Accounting

Semester 1: Foundations of Environmental Accounting

BEA 101: Introduction to Environmental Accounting
This course provides an overview of environmental accounting principles, focusing on the role of accounting in environmental management and sustainability.

BEA 103: Basics of Environmental Information Systems
Students will be introduced to environmental data management, sustainability reporting systems, and digital tools used for tracking environmental impacts.

BEA 105: Case Study 1: Assessing Environmental Costs in Business
Students will apply foundational concepts to real-world scenarios by analyzing financial data related to environmental sustainability.

ENG 101: English Grammar and Academic Writing I (2 Credits)
This course covers English grammar, sentence structure, syntax, verb tenses, voice, punctuation, and mechanics.

MATH 111: Foundations of Mathematics for Environmental Professionals (3 Credits)
Students will study arithmetic, algebra, and statistical concepts used in environmental financial analysis.

CEPRES 101: Introduction to University Studies (2 Credits)
This course includes university orientation, academic success skills, and basic computer and research skills.

Semester 2: Environmental Regulations and Compliance

BEA 102: Environmental Laws and Regulations
Students will learn about international and national environmental policies, regulatory compliance, and financial reporting requirements.

BEA 104: Sustainability Reporting and Corporate Responsibility
This course covers sustainability accounting frameworks, including Global Reporting Initiative (GRI) and Integrated Reporting (IR).

BEA 106: Case Study 2: Ensuring Compliance in Environmental Finance
Students will assess real-world cases where businesses adhere to or fail in environmental compliance.

ENG 102: English Grammar and Academic Writing II (3 Credits)
This course focuses on academic writing, thesis statements, paragraph development, research skills, and citation styles.

MATH 102: Advanced Statistical Methods for Environmental Accounting (3 Credits)
Students will learn probability, inferential statistics, and regression analysis applied to environmental data.

Semester 3: Financial Management in Environmental Accounting

BEA 201: Budgeting and Financial Planning for Sustainability
This course covers financial strategies for integrating sustainability into business models.

BEA 203: Advanced Technology for Environmental Data Analysis
Students will use advanced software tools for environmental financial forecasting, modeling, and visualization.

BEA 205: Case Study 3: Strategic Decision-Making in Sustainability Finance
This course involves analyzing financial scenarios to develop strategies for sustainability-focused organizations.

Data Collection Techniques (3 Credits)
Students will explore data collection methodologies relevant to environmental impact analysis.

OPD 207: Online Professional Development and Networking I (2 Credits)
Students will explore sustainability-focused professional development platforms and build a strong LinkedIn presence.

Foundations of Environmental Science (2 Credits)
An introduction to ecological principles, environmental systems, and human impact on the environment.

Semester 4: Emerging Technologies and Data Analytics in Environmental Accounting

BEA 202: Blockchain and Carbon Credit Trading
This course explores blockchain applications in carbon trading, financial transparency, and accountability in environmental initiatives.

BEA 204: Artificial Intelligence in Sustainability Accounting
Students will learn how AI and machine learning are used for predictive analytics and decision-making in environmental finance.

BEA 206: Case Study 4: Implementing Emerging Technologies in Environmental Accounting
Students will assess how blockchain, AI, and IoT impact sustainability accounting and environmental compliance.

BEA 208: Introduction to Data Analytics in Environmental Accounting
This course covers data-driven decision-making in environmental finance.

BEA 210: Predictive Analytics for Environmental Finance
This course focuses on using data models to predict sustainability trends and environmental financial risks.

Online Professional Development and Networking II (3 Credits)
Students will engage in collaborative projects and professional networking for sustainability careers.

Semester 5: Risk Management, Ethics, and Innovation in Environmental Accounting

BEA 301: Challenges in Contemporary Environmental Accounting
This course covers emerging challenges in sustainability finance, including greenwashing and regulatory shifts.

BEA 303: Designing Innovative Solutions for Sustainability
Students will integrate research and technology to address environmental financial challenges.

BEA 305: Presentation and Evaluation of Sustainability Projects
Students will present sustainability-focused financial projects to peers and industry professionals.

BEA 307: Risk Assessment in Environmental Finance
Students will learn how to identify and mitigate environmental financial risks.

BEA 309: Ethical Issues in Environmental Accounting
This course examines ethical dilemmas in sustainability reporting and environmental finance decision-making.

BEA 311: Case Study 6: Balancing Risk and Ethics in Environmental Finance
Students will analyze real-world ethical and risk-based financial decision-making scenarios.

Semester 6: Professional Development, Internship, and Industry Trends

BEA 302: Professional Skills for Environmental Accountants
Students will develop leadership, teamwork, and strategic financial skills in sustainability contexts.

BEA 304: Industry Trends and Innovations in Environmental Finance
This course explores evolving environmental financial trends and corporate sustainability strategies.

BEA 306: Case Study 6: Future of Environmental Accounting
Students will assess the long-term impact of sustainability policies on financial practices.

Introduction to Environmental Economics (2 Credits)
This course introduces economic principles applied to environmental conservation and sustainability.

Semester 7: Internship and Practical Experience

BEA 401: Internship Placement
Students will be placed in environmental organizations, government agencies, or corporate sustainability departments.

BEA 403: Reflective Practice
Students will analyze and document internship experiences, assessing personal and professional growth.

BEA 405: Final Internship Report
Students will compile a comprehensive report on their internship experience.

Semester 8: Research Project and Advanced Applications in Environmental Accounting

BEA 402: Capstone Project Preparation
Students will develop research proposals focusing on environmental financial issues.

BEA 404: Advanced Applications of Technology in Environmental Accounting
This course explores the latest technological advancements in sustainability finance.

BEA 406: Capstone Project Execution and Presentation
Students will complete a research-based sustainability project integrating financial and environmental principles.

This **problem-based learning curriculum** equips students with **21st-century environmental accounting skills**, integrating the latest **technologies, financial strategies, and sustainability best practices** through **case studies, research projects, and professional experience.**