



Vision

Mission

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Learning outcomes

Draft 2026

Vision and Mission of the College:

Vision

To be a pioneering College of Health Sciences that expands educational opportunities and serves as a hub for multidisciplinary collaboration, innovation, and leadership—advancing health and well-being for individuals and communities.

Mission

The College of Health Sciences is dedicated to educating and inspiring future health professionals in different specialties. By embracing modern teaching methods, we prepare graduates to excel in the health sciences. Through excellence in teaching, research, and community engagement, we foster multidisciplinary collaboration among health professions, advance knowledge, and empower graduates with the skills, ethics, and compassion needed to improve patient care and strengthen health systems locally and globally.

College Strategic Goals 2026-2030

Goal 1: Academic Excellence and Curriculum Innovation

Enhance the quality, relevance, and accreditation-readiness of academic programs to ensure excellence in health sciences education.

Goal 2: Research Development and Knowledge Advancement

Strengthen research capacity and interdisciplinary collaboration to advance health knowledge and evidence-based practice.

Goal 3: Community Engagement and Health Impact

Position the College as a leading contributor to community health improvement and health system strengthening.

Goal 4: Governance, Quality Assurance, and Accreditation

Develop a robust governance and Quality Management System (QMS) aligned with KAAE accreditation standards.

Goal 5: Student Success and Professional Development

Enhance student support systems to promote academic success, well-being, and career readiness.

Goal 6: Infrastructure, Digital Transformation, and Learning Resources

Ensure adequate academic, technological, and physical resources to support high-quality education and research.

Goal 7: Internationalization and Multidisciplinary Collaboration

Expand global partnerships and promote interdisciplinary education and research.

Microbiology Department

Vision:

The Microbiology Department aspires to be a center of excellence in teaching, research, and innovation to prepare highly skilled graduates who can contribute effectively to provide diagnostic and control measure for infectious diseases.

Mission:

To foster graduates with cutting-edge knowledge, laboratory practice, and professional healthcare skills who will be able to work professionally in the medical laboratories through a comprehensive theoretical knowledge of medical microbiology, including the spread of micro-organisms, disease causation, diagnosis, and/or treatment of pathogens of major significance to public health, and advanced practical training in this diverse field.

Strategic Goals:

1. Academic Excellence

- Review and revise curricula emphasizing experiential learning, presentation skills, and digital tools to enhance communication and analytical abilities by 2030 among students.
- Promote continuous professional training for staff on modern pedagogies and specialized topics by 2030.

2. Research Development

- Establish research around key global challenges such as antimicrobial resistance (AMR), infectious diseases, and microbial pathogenesis.
- Promote interdisciplinary research initiatives that transfer knowledge into health policy of the region and societal benefits by 25%.

3. Community Engagement

- Collaborate with local healthcare providers, health institutes, organizations, and health industries to address health issues related to microbiology.

4. Internationalization

- Encourage faculty to participate in international conferences and publish in high-impact journals to elevate the department's global standing by 25% increase.
- Facilitate staff and student exchange programs to gain international exposure and diverse perspectives.

Program Learning Outcomes (POs)

- Understand the fundamentals of microbial diversity (bacteria, viruses, fungi, parasites), their classification, and their roles in disease.
- Proficiently perform, record, and interpret experiments, including specialized techniques in bacteriology, immunology, and molecular microbiology
- Apply scientific literature to analyze and solve problems in medical microbiology.
- Practice safe, ethical, and responsible laboratory practices, including understanding biosafety and biosecurity regulations.
- Evaluate how microbes influence human health (e.g., infectious disease, microbiome) and environmental systems

Biochemistry Department

Vision:

The Biochemistry Department aspires to be a center of excellence in teaching, research, and innovation to prepare highly skilled graduates who can contribute effectively to healthcare systems and biomedical development.

Mission:

The mission of the Biochemistry Department is to educate and inspire future biomedical science through student-centered teaching and high-quality laboratory training. The department embraces modern pedagogical approaches including problem-based learning, simulation, digital learning platforms, and interdisciplinary teamwork to ensure graduates gain strong scientific knowledge and practical competencies. Through excellence in teaching, research, and community engagement, the department prepares students with the ethics, professionalism, and compassion needed to contribute to patient care, biomedical innovation, and stronger health systems in Kurdistan and beyond.

Strategic Goals:

1. Strengthen Quality of Teaching and Learning

- Integrate problem-based learning (PBL), simulation, and digital learning platforms in at least 70% of courses.
- Achieve $\geq 85\%$ student satisfaction in annual course evaluations.

Alignment: Student-centered teaching, modern pedagogical approaches.

2. Enhance Laboratory Training and Practical Competency

- Upgrade laboratory facilities to meet national and international accreditation standards within 3 years.
- Establish at least 3 partnerships with healthcare or research laboratories for student training.

Alignment: High-quality laboratory training, practical competencies.

3. Promote Research and Innovation

- Increase student and faculty research publications by 30% within five years.
- Organize annual scientific research events or conferences.

Alignment: Excellence in research and biomedical innovation.

4. Strengthen Community Engagement and Healthcare Contribution

- Conduct at least 2 community health screening or outreach programs annually.
- Develop collaborative projects with local healthcare institutions in Kurdistan.
- Encourage student participation in community-based biomedical initiatives.

Alignment: Contribution to patient care and stronger health systems.

5. Develop Ethics, Professionalism, and Interdisciplinary Skills

- Integrate ethics and professionalism training into more than 75% of academic years.

- Implement interdisciplinary teamwork activities in at least 50% of practical courses.
- Provide annual workshops on leadership, ethics, and professional conduct.

Alignment: Ethics, professionalism, compassion, interdisciplinary teamwork.

Program Learning Outcomes (PLOs)

- Describe and explain the biochemical basis of common diseases and the rationale for key laboratory biomarkers (metabolic, endocrine, liver, kidney, cardiovascular, inflammation, infection, tumor markers).
- Describe principles of major clinical biochemistry methods (e.g., spectrophotometry, enzymatic methods, immunoassays, electrophoresis) and their limitations/interferences.
- Collect, handle, label, store, and prepare specimens appropriately, applying correct biosafety and infection control procedures.
- Perform routine clinical biochemistry laboratory assays using standard equipment and Standard Operating Procedures (SOPs) (basic analytical techniques consistent with the program).
- Apply quality control procedures, record results correctly, identify out-of-range QC patterns, and follow corrective action steps under supervision.
- Interpret laboratory results using reference intervals and clinical context; recognize pre-analytical/analytical errors and common interferences.
- Work safely and professionally in laboratory settings, demonstrating responsibility, accuracy, and adherence to SOPs and regulations.
- Collaborate effectively within multidisciplinary teams and contribute to a quality-focused laboratory culture.
- Demonstrate ethical practice, including patient confidentiality, academic integrity, and responsible handling of clinical data.
- Engage in lifelong learning by identifying personal learning needs and updating knowledge/skills in response to scientific and clinical advances.

Physiotherapy Department

Vision:

The vision of the department of physiotherapy is to offer a high-quality educational program that prepares the students for a professional approach in physiotherapy rooted in ethics and empathy, so that they can fulfill their professional experience to contribute to the society health needs.

Mission:

The mission of the Department is to prepare graduates who focus on gaining knowledge and skills in the science of physiotherapy using modern theoretical knowledge and clinical practice to ensure excellent patient care, alleviating suffering from disabilities, and chronic physical conditions. The department embraces to enhance quality of life by restoring, maintaining, and maximizing physical function movement and wellbeing through scientific research and innovation.

Strategic Goals:

1. Strengthen Quality of Teaching and Learning

- Integrate evidence-based practice with active, learner-centered education and high-quality, patient-centered care of 70% of department courses by 2030
- Transitioning from passive lecturing to experiential learning and fostering a culture of continuous professional development.
- Enhance laboratory training and practical competency through documenting of student learning and practical activities.

2. Promote Research and Innovation

- Increase student and faculty research publications by 30% within five years.
- Organize annual scientific research events or conferences.

3. Strengthen Community Engagement and Healthcare Contribution

- Increase access to physiotherapy services, educate the public through campaigns, and build partnerships with health care agencies.

4. Develop Ethics, Professionalism, and Interdisciplinary Skills

- Integrate ethics and professionalism training into more than 75% of academic years.
- Implement interdisciplinary teamwork activities in at least 50% of practical courses.
- Provide annual workshops on leadership, ethics, and professional conduct.

Program Learning Outcomes (PLOs)

- Describe fundamental principles of human anatomy, physiology, kinesiology, biomechanics, pathology, neuroscience, and exercise science as they relate to movement and functional health.
- Explain the pathophysiological basis of common musculoskeletal, neurological, cardiopulmonary, and pediatric conditions managed through physiotherapy.
- Explain principles of physical therapy assessment methods, therapeutic exercise, manual therapy, electrotherapy, and rehabilitation technologies.
- Perform comprehensive patient assessments, including history taking, physical examination, functional evaluation, and outcome measurement.
- Design, implement, and modify individualized, patient-centered physiotherapy treatment plans based on clinical findings and goals.
- Apply therapeutic exercise, manual therapy techniques, and physical modalities safely and effectively.
- Practice physiotherapy safely and professionally within legal, ethical, and professional frameworks.
- Engage in lifelong learning and professional development to maintain competence and adapt to advances in physiotherapy science and practice.

Public Health Department

Vision:

To be a nationally recognized, research-driven leader in public health education. It contributes to provide evidence-based policy, strengthen healthcare systems, and address emerging population health challenges, preparing ethical leaders dedicated to promoting sustainable well-being.

Mission:

The Department of Public Health exists to advance public health science and improve population health. It serves students, communities, and policymakers by providing rigorous education and impactful research. Through interdisciplinary scholarship, it delivers value by preparing ethical leaders and generating evidence that informs equitable health interventions by partnership with local, national, and global stakeholders.

Strategic Goals:

1. Strengthen Teaching & Learning

- Implement student-centered, competency-based learning approaches across all courses.
- Align curriculum with international public health standards and local health priorities.
- Provide continuous professional development opportunities for faculty members.
- Integrate simulation-based training to build practical skills in controlled environments.
- Integrate ethics, professionalism, and cultural competence training throughout the curriculum.

2. Promote Regional Research & Innovation

- Prioritize research on key public health challenges in Kurdistan, including NCDs and environmental health.
- Increase faculty and student publications in peer-reviewed journals by 30% within 5 years.
- Translate research findings into evidence-based policy recommendations.

3. Expand Community Engagement

- Organize at least two regular public health campaigns annually across Erbil and the Kurdistan Region addressing WHO priority areas.
- Partner with local and international NGOs, community leaders, and WHO country offices to reach vulnerable and underserved populations according to their needs.
- Formalize collaborations with the Kurdistan Ministry of Health, community health related ministries, and national and international universities.

4. Integrate Digital Health

- Train students in health informatics, GIS, and data analytics for public health practice.
- Incorporate e-learning platforms to enhance accessibility and flexibility by 2030.

Develop tele-health services for remote education and community outreach.

Program Learning Outcomes:

- Demonstrate comprehensive knowledge of core public health disciplines including epidemiology, biostatistics, environmental health, health promotion, and disease prevention.
- Analyze biological, social, environmental, and behavioral determinants that influence health outcomes at individual, community, and population levels.
- Collect, analyze, and interpret public health data using appropriate epidemiological and statistical methods to support evidence-based decision making.
- Design, implement, and evaluate health promotion and disease prevention programs addressing priority public health issues.
- Communicate public health information effectively and engage communities and stakeholders in improving health outcomes.
- Demonstrate ethical responsibility, cultural competence, and professionalism in public health practice.
- Work collaboratively within multidisciplinary teams and apply leadership skills to address public health challenges and promote health equity.

Nutrition and Dietetics Department

Vision:

The Department of Nutrition and Dietetics intends to be a leading and a center of excellence to provide education, research, and consulting services in the field of clinical nutrition and food sciences regionally.

Mission:

The Department of Nutrition and Dietetics works to supply the public and private sectors in the local and regional areas with graduates specialized in nutrition and food sciences by providing an educational and research environment committed to quality standards, creativity, and innovation in acquiring knowledge and skills. The department also works to provide research and consultations, and professional practice to contribute to the development of food therapy and healthy nutrition in the community.

Strategic Goals:

1. Strengthen Academic Excellence

- Develop evidence-based, up-to-date curriculum aligned with global standards.
- Integrate practical training, clinical exposure, and research opportunities.
- Encourage continuous professional development for faculty and students by 2030

2. Promote Research and Innovation

- Increase in conducting research addressing local and national nutrition challenges.
- Increase publishing in peer-reviewed journals and present at conferences by 30% within 5 years.

3. Health Services and Community Engagement

- Organize nutrition awareness campaigns and workshops.
- Partner with schools, NGOs, and public health organizations.
- Support vulnerable populations through targeted nutrition programs.

4. Strengthen Food Industry & Institutional Partnerships

- Collaborate with food industries, hospitals, and research institutions.
- Facilitate internships and career placement opportunities.
- Promote consultancy and professional services by 2030.

5. Digital Transformation & Technology Integration

- Incorporate digital nutrition tools and software in training and courses.
- Develop online learning and tele-nutrition services.

Program Learning Outcomes:

- Demonstrate comprehensive knowledge of human nutrition, metabolism, and the role of nutrients in health promotion and disease prevention.
- Assess nutritional status of individuals and communities using dietary assessment methods, anthropometric measurements, biochemical indicators, and clinical evaluation.
- Apply principles of medical nutrition therapy to develop appropriate dietary interventions for the prevention and management of nutrition-related diseases.
- Apply principles of food safety, food hygiene, and food quality management in clinical, community, and institutional settings.
- Design and deliver effective nutrition education and counseling programs to promote healthy dietary behaviors among individuals and communities.
- Demonstrate ethical responsibility, cultural sensitivity, and professional conduct in nutrition and dietetic practice.
- Apply evidence-based practice, collaborate with multidisciplinary healthcare teams, and contribute to improving nutritional health outcomes in clinical and community settings.