

Healthcare Engineering & Management (HEM)

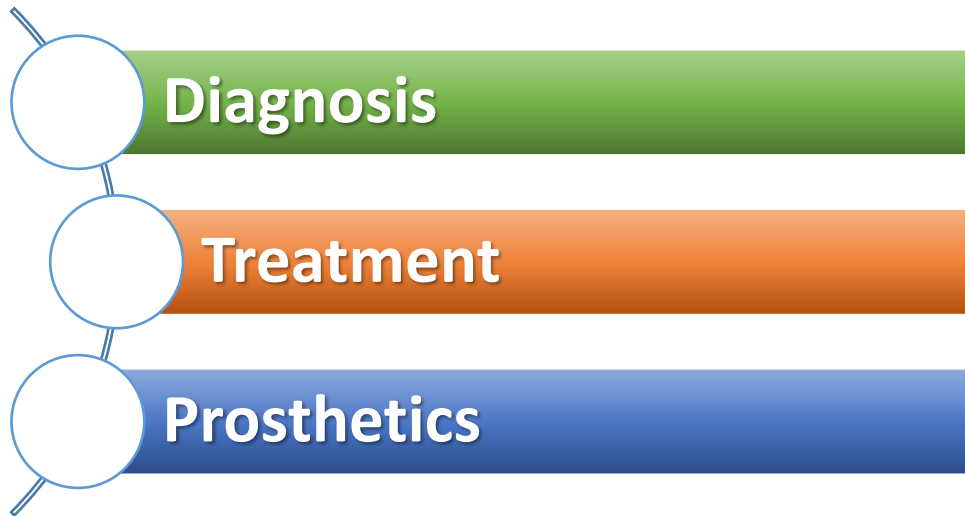
Faculty of Engineering – Cairo University

Based on Credit Hours System (CHS)

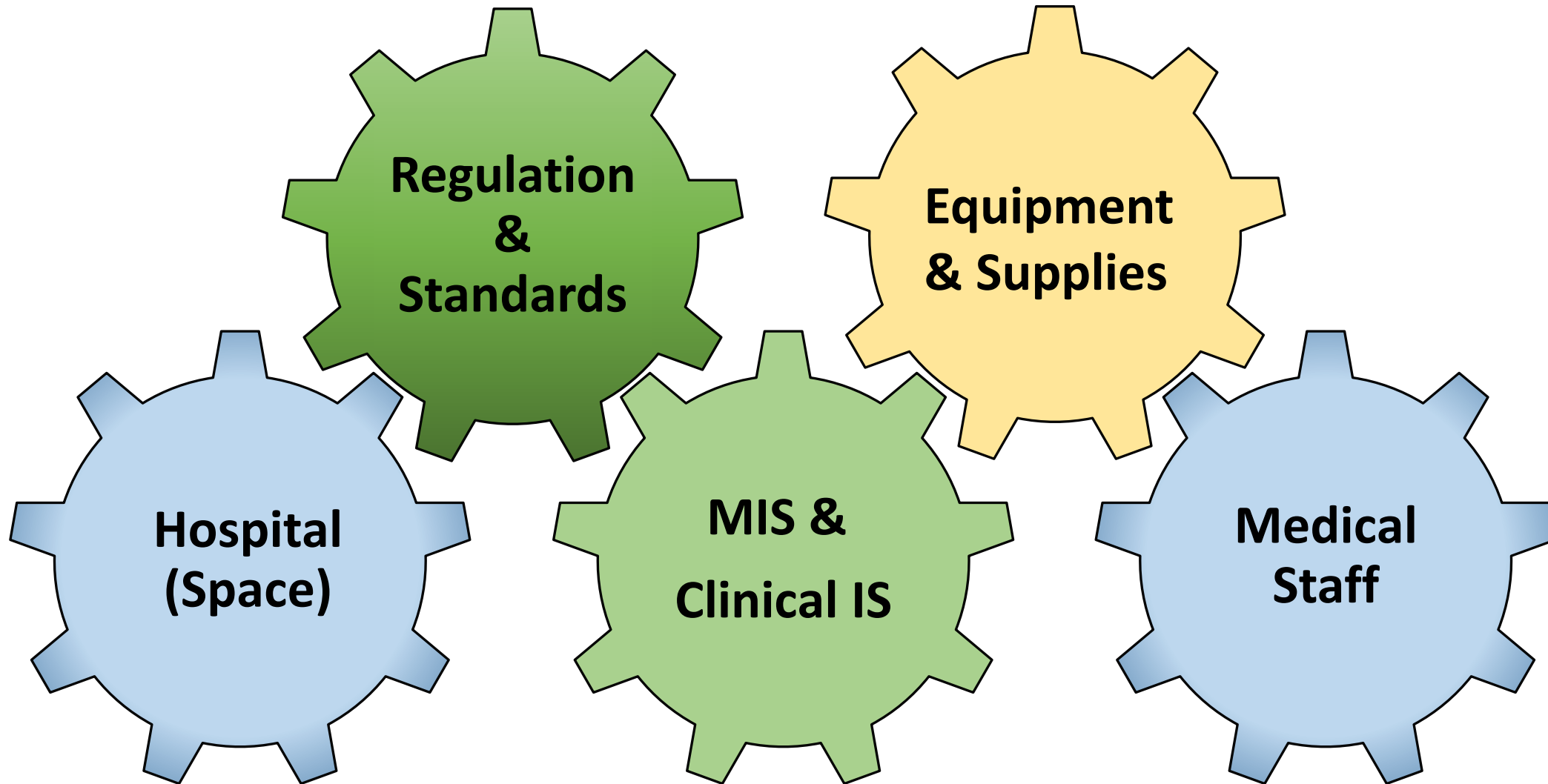


Healthcare Facilities and Services

- Specially designed and equipped Facilities that are intended to provide healthcare services for patients that include :

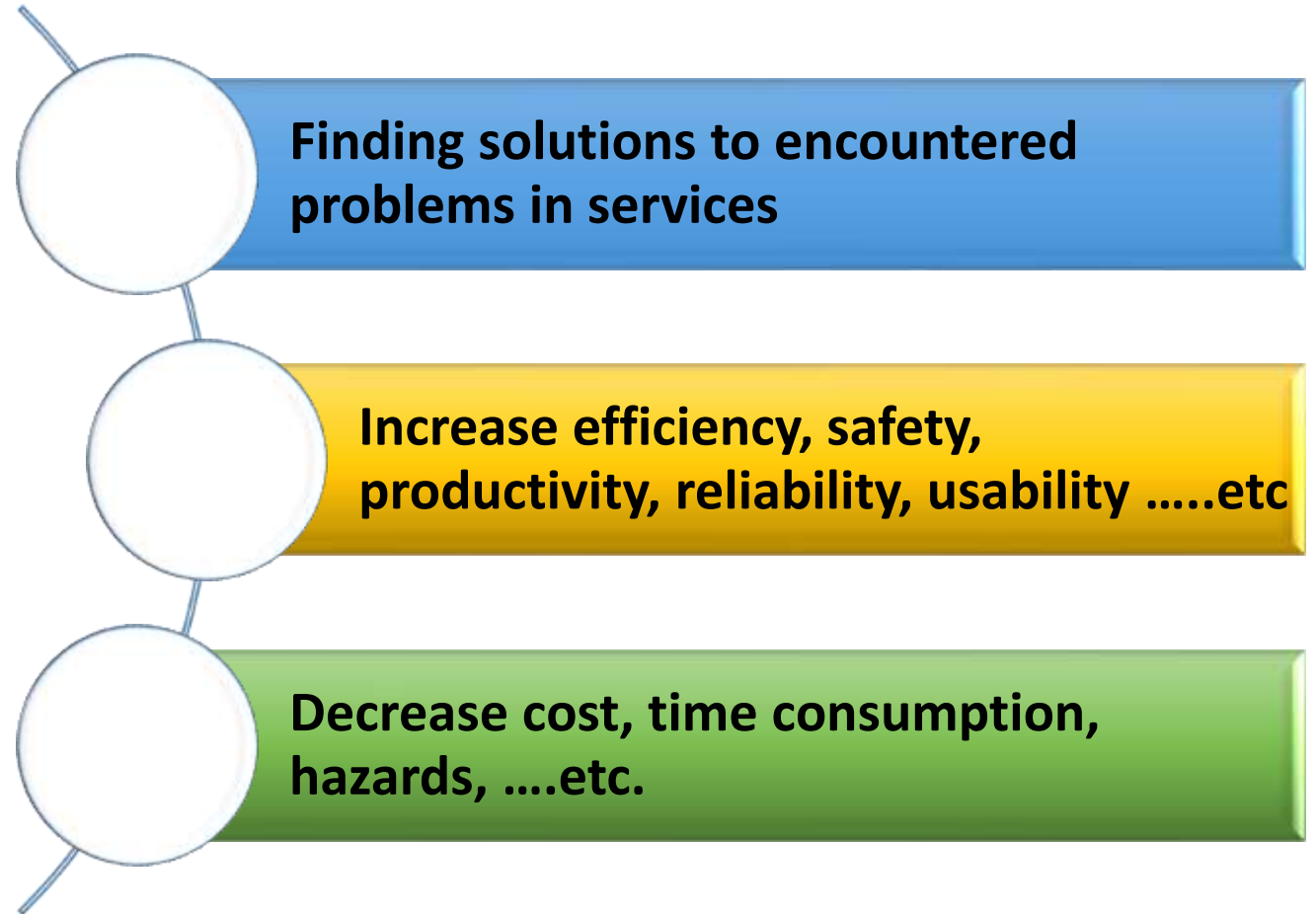


Healthcare Facility Components



The Role of Biomedical Engineering in Healthcare

- Applying engineering and scientific knowledge and roles to provide solutions for healthcare problems in healthcare facilities and services with the aim to:



Engineering Roles in Healthcare

Medical Equipment

- Research, Development & Manufacturing
- Sales & Maintenance (Installation)
- Technical Support (Training & Operation)

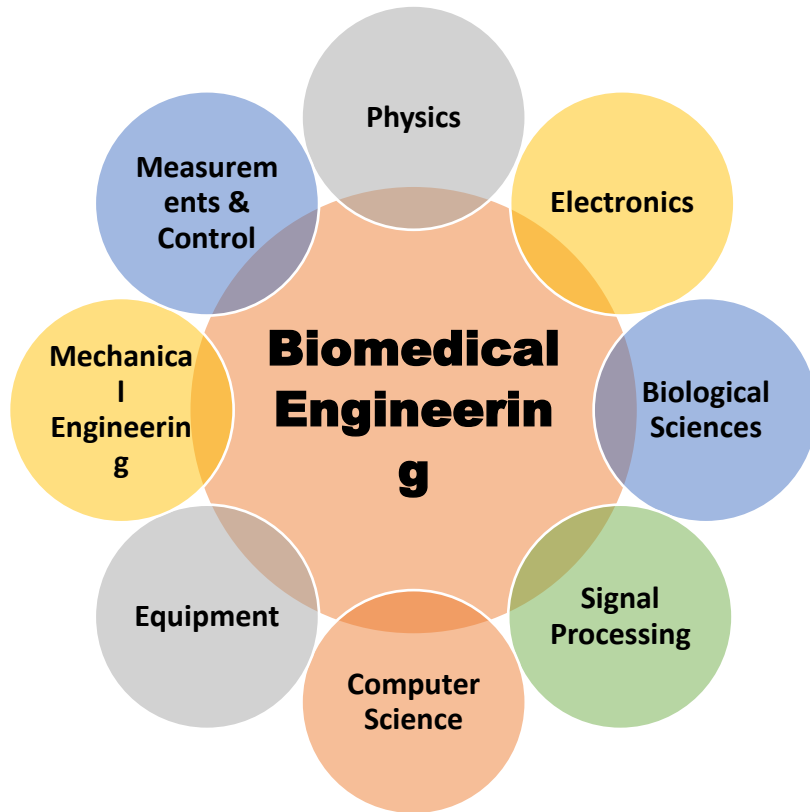
Healthcare Facility Services

- Hospital Planning & Commissioning
- Medical Equipment (Asset) Management
- Quality Assurance & Accreditation

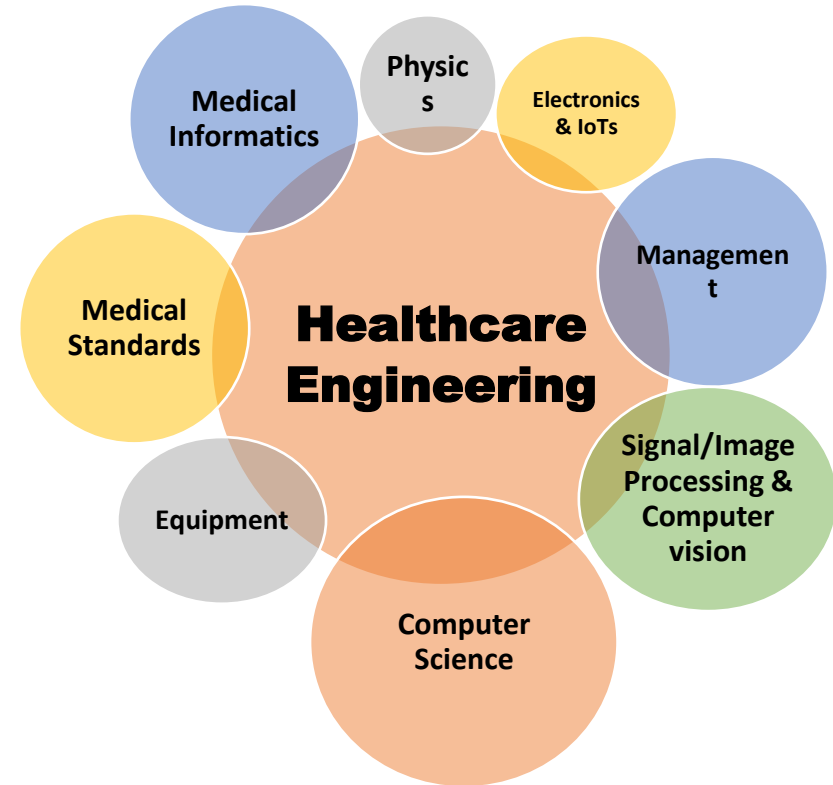
HIS & Clinical Information Systems

- Development of Asset Management System
- Development of Image Archiving Systems
- Development of Clinical Decision Support Systems

Courses' Weights in Program



Medical Equipment



Healthcare Facilities & Healthcare System

Comparison of Course Weights

