Radhe Shyam Sharma ✉ sharma.radhe@gmail.com

B.E. (Biomedical Engineering)

Biomedical engineering (BME): Biomedical Engineering (BME) or Medical Engineering is the application of engineering principles and design concepts to medicine and biology for healthcare purposes. This field seeks to close the gap between engineering and medicine to advance health care treatment.

List of Courses

ELectrical and Computer Engineering Subjects:

1. Basic Electrical Engineeing
2. Control Engineering
3. Electronics-I
4. Electronics-II
5. Industrial Electronics
6. Network Analysis
7. Digital Circuits and Syatems
8. Analog and Digital Communication
9. Data Communication
10. Digital Image Processing
11. Computer Programming-I
12. Computer Programming-II
13. Computer Programming-III
14. Computer Programming-IV
15. Computer Programming-V
16. Fundamentals of Microprocessor
17. Advanced Microprocessor and Microcontroller
18. Fuzzy logic and Neural Networks

Biomedical Engineering Subjects:

1. Biomedical Signal Processing
2. Medical Imaging Systems
3. Biomedical Physics
4. Human Physiology-I
5. Human Physiology-II
6. Bio-materials
7. Therapeutic Instruments

8. Analytical and Diagnostic Equipments
9. Biomedical Equipments
10. Biomedical System Modeling and Simulation

Basic Science and Engineering Subjects:

1. Engineering Mathematics-I
2. Engineering Mathematics-II
3. Engineering Mathematics-III
4. Engineering Physics
5. Engineering Chemistry
6. Basic Mechanical Engineering
7. Basic Civil Engineering
8. Engineering Graphics
9. Workshop Practice
10. Engineering Mechanics

Common and Specialized Subjects: Percentage of subjects are shown in Figure 1.

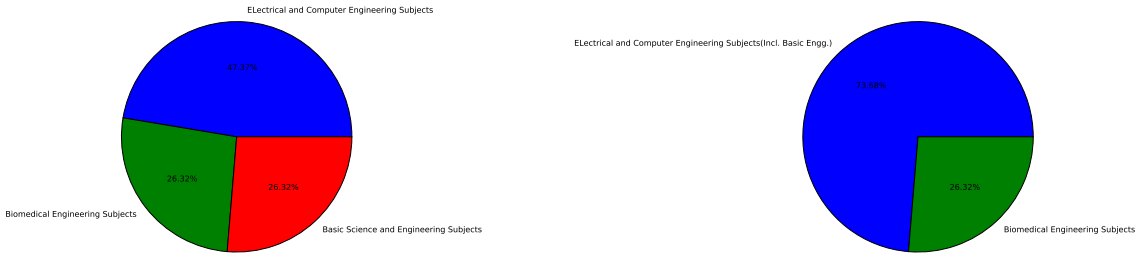

Figure 1: Percentage: Common and Specialized Subjects