

## Bachelor of Applied Engineering –

### Common Year 3

1. BAE 401 Advanced Engineering Mathematics (9 pt)
2. BAE 402 Calculus (3 pt)
3. BAE 403 Engineering Mechanics (1 pt)
4. BAE 404 Engineering Materials & Thermodynamics (3 pt)
5. RE001- Foundation Studies in Renewable Energy and Sustainability (2 pt)
6. .RE003- Solar and Thermal Energy Systems (2 pt)
7. RE004- Energy Storage Systems (2 pt)
8. RE005- Renewable Energy Resource Analysis (2 pt)
9. RE006- Wind Energy Conversion Systems (2 pt)
10. RE010-Engineering Materials (2 pt)
11. RE012a-Electrical Engineering Part 1 (2pt)
12. RE016-Design& Management (BAE508) (2 pt)

**Total points for Year 3-(32 Pt)**

## B Applied Engg (Electrical)

### YEAR 4 (Specialized)

1. BAE 601 Computer Programming
2. BAE 602 Computer Network
3. BAE 603 Software Engineering
4. RE012b-Electrical Engineering Part 2
5. RE002- Grid Connected Photovoltaic Power Systems
6. RE013-Electrical Machines
7. RE014-Electronics Control
8. RE015-Electrical Project/ Practice
9. BAE 501 Advanced Power Systems & Power Transmission Networks
10. BAE 506 Power System Stability & Protection
11. BAE 604 Telecommunication Engineering

12. RE007- Energy System Efficiency

**Total points for Year 4-(24 Pt)**

**Common Graduating Units (Year 5)**

13 BAE 605 Engineering Management (4 pt)

14 BAE 608 Engineering Competency Demonstration Report

**Total points for Year 3+4+ Final graduating subjects = 32+28+4= 60 pt**