THE UNIVERSITY OF THE WEST INDIES
MONA CAMPUS, JAMAICA, WEST INDIES

FACULTY OF ENGINEERING

Name: **ID #:**

DEGREE PLANNING CHECKLIST

The degree planning checklist is a resource designed to assist **FoE Electrical Power students** in (i) tracking their rate of progress and programme requirements, (ii) undertaking a credit check, and (iii) seeking timely academic advising from their Department/School. **It is not intended as the official confirmation of a student's eligibility to graduate**. Students must obtain a GPA of 2.0 or higher in addition to at least **90 credits** to be deemed eligible for graduation. The programme requirements below are applicable ONLY for the following major and year of admission/readmission/transfer/change of major.

BSc Electrical Power Engineering (Mona) 2025-2026

Pass Exemption In Progress

LEVEL I – Minimum 37 credits

SEMESTER 1

☐	☐	☐	1. ECSE1102: Engineering Circuit Analysis and Devices (3)
☐	☐	☐	2. ECSE1104: Digital Circuits and Systems (3)
☐	☐	☐	3. ECSE1109: Programming for Engineers I (3)
☐	☐	☐	4. ENGR1100: The Engineering Profession (3)
☐	☐	☐	5. ENGR1105: Engineering Laboratory and Designs I (1)
☐	☐	☐	6. ENGM1180: Mathematics for Engineers I (3)

Levels I Credit Summary

Credits completed _____

Credits in progress _____

Credits outstanding _____

Degree GPA ☐

SEMESTER 2

☐	☐	☐	7. FOUN1014: Critical Reading and Writing (3)
☐	☐	☐	8. ENGR1200: Engineering Tools and Practice (3)
☐	☐	☐	9. ENGR1205: Engineering Laboratory and Designs II (3)
☐	☐	☐	10. ECSE1207: Computer Architecture and Organization (3)
☐	☐	☐	11. ENGM1280: Mathematics for Engineers 2 (3)
☐	☐	☐	12. EPNG1210: Electrical Machines I (3)
☐	☐	☐	13. ELNG1101: Physics for Engineers (3)

LEVEL II – Minimum 39 credits

SEMESTER 1

☐	☐	☐	14. FOUN1301: Law, Governance, Economy & Society (3)
☐	☐	☐	15. ECSE2110: Electrical Machines II (3)
☐	☐	☐	16. ECSE2104: Microprocessors and Embedded Systems (3)

17. ECSE2106: Signals and Linear Systems (3)
18. ENGR2105: Engineering Laboratory and Design III (1)
19. ENGR2120: Technical Communications I (2)
20. ENGM2180: Mathematics for Engineers III (3)

Levels II Credit Summary

Credits completed _____

Credits in progress _____

Credits outstanding _____

Degree GPA

SEMESTER 2

21. ECSE2202: Analogue Circuits and Instrumentation (3)
22. EPNG2010: Nuclear Physics and Reactor Theory (3)
23. ECSE2209: Control Systems Engineering (3)
24. ENGM2210: Engineering Electromagnetism (3)
25. ENGM2280: Probability and Statistical Systems (3)
26. ENGR2205: Engineering Laboratory and Design IV (3)
27. EPNG2020: Renewable Energy Systems (3)

LEVEL III – Minimum 39 credits

YEAR-LONG COURSES

28. ECNG3020: Final Year Engineering Special Project (6)

SEMESTER 1

29. ELNG3040: Industrial Automation (3)
30. EPNG3010: Nuclear Power Systems and Reactor Operation (3)
31. ELNG3030: Power Electronics and Protection Circuits (3)
32. ECNG3015: Industrial and Commercial Electrical Systems (3)
33. EPNG3012: Cryogenic Engineering (3)
34. ECNG3021: Introduction to Engineering Management and Accounting Systems (3)
35. LANG3003: Technical Writing (2)

Levels III Credit Summary

Credits completed _____

Credits in progress _____

Credits outstanding _____

Degree GPA

SEMESTER 2

36. ELET3405: Practical Analysis of Advanced Electronic Circuits and Systems (3)
37. ECNG3013: Electrical Transmission and Distribution Systems (3)
38. ELNG3030: Power Electronics and Protection Circuits (3)

Choose any <u>ONE (1)</u> of the following courses listed below or any other Level 2 or Level 3 course from:

(1) A different program in the Faculty of Engineering (FOE)

(2) The Faculty of Science and Technology (FST)

(3) A Language course from Faculty of Humanities and Education (FHE)

☐ ☐ ☐
☐ ☐ ☐

39. ECNG3010: Electrical Machines and Drive Systems (3)
40. ELET3611: Integrating Alternative Energy (3)

Notes:

(X) = Number of credits