B.Eng (Hons) Double Major (Electrical Power Engineering and Industrial Computer Systems Engineering)

For students commencing in Semester 1 2020 at the South Street, Murdoch Campus

This sample study plan is based on the 2019 course structure and offerings. It is the responsibility of students to ensure the correct availability of units in each semester of each academic year.

| | Semester 1 | | Semester 2 | |
|---------|---|------|--|---------------------------------------|
| Year 1 | BEN100 Transitioning into Engineering BEN150 Design Concepts in Engineering Engineering Elective MAS182 Applied Mathematics | 3pts | ENG109 Engineering Computing Systems MAS161 Calculus and Matrix Algebra ENG192 Energy, Mass Flow Engineering Elective | 3pts 3pts 3pts 3pts 12pts |
| ra L | ENG298 Principles of Process Engineering ENG225 Circuits and Systems I Engineering Elective ENG299 Control Systems and Process Dynamics | | ENG294 Discrete Time Systems ENG207 Principles of Electronic Instrumentation MAS221 Mathematical Modelling ENG297 Circuits and Systems II | 3pts 3pts 3pts 3pts 12pts |
| ä | ENG311 PLC Systems ENG317 Electromechanical Energy Conversion ENG318 Power Electronic Converters and Systems BEN300 Innovation and Ethics in Engineering | 3pts | ENG336 Engineering Finance and Law ENG319 Real Time and Embedded Systems ENG321 Instrument and Communication System ENG323 Power Transmission and Distribution Networks | 3pts 3pts 3pts 3pts 12pts |
| Year 4 | ENG448 SCADA and Systems Architecture ENG449 Electrical Power Systems Design ENG470 Honours Thesis (6pt) | 3pts | ENG447 Industrial Computer Systems Design ENG451 Power Systems Protection and Control ENG470 Honours Thesis (6pt) | 3pts 3pts 6pts 12pts |