

|           | 8h to 9h : 30                                         | 9h : 30 to 11h                                         | 11h : 15 to 12h : 45                                   | 12h : 45 to 13h : 30 | 13h : 30to 15h : 00                                   | 15h : 00 to 16h : 30                                      |
|-----------|-------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------|-------------------------------------------------------|-----------------------------------------------------------|
| Saturday  |                                                       | Softwareof Simulation<br>Course<br>Belila<br>(on line) |                                                        | Brake                |                                                       |                                                           |
| Sunday    | Servo Systems<br>Course<br>Remache L                  | Servo Systems<br>Tutorial<br>Remache L                 | Servo Systems<br>Practical work /2<br>Remache L        |                      | Power Electronics<br>Practical Work G1<br>Barkat      | Power Electronics<br>Practical Work G2<br>Barkat          |
| Monday    | Power Electronics<br>Course<br>Barkat                 | Power Electronics<br>Tutorial<br>Barkat                | Field Theory<br>Course<br>Rahem                        |                      | Sensors and<br>Metrology<br>Course<br>Ait kaki        | Sensors and<br>Metrology<br>Practical work /2<br>Ait kaki |
| Tuesday   | Design of Electrical<br>Systems<br>Course<br>Belkacem | Diagrams and<br>Equipments<br>Course<br>Rahem          | Field Theory<br>Tutorial<br>Rahem                      |                      | Diagrams and<br>Equipments<br>Practical work<br>Rahem |                                                           |
| Wednesday |                                                       | Electrical Network<br>Course<br>Belila                 | Softwareof Simulation<br>Course<br>Belila<br>(on line) |                      | Electrical Network<br>Practical work G1<br>Belila     | Electrical Network<br>Practical work G2<br>Belila         |
| Thursday  | Electrical Network<br>Course + Tutorial<br>Belila     |                                                        |                                                        |                      |                                                       |                                                           |

|           | 8h to 9h : 30                             | 9h : 30 to 11h                            | 11h : 15 to 12h : 45                                               | 13h : 45 to 13h : 30 | 13h : 30to 15h : 00                               | 15h : 00 à 16h : 30                                    |
|-----------|-------------------------------------------|-------------------------------------------|--------------------------------------------------------------------|----------------------|---------------------------------------------------|--------------------------------------------------------|
| Saturday  |                                           |                                           |                                                                    | Brake                |                                                   |                                                        |
| Sunday    |                                           | Electronics Functions Course<br>Ait kaki  | Electronics Functions Tutorial<br>Ait kaki                         |                      | Components Technologies ELN 2 Course<br>Remache L | Electronics Functions Practical Work G1/G2<br>Ait kaki |
| Monday    |                                           | Pre-Project Work Course<br>Mouetsi        | Pre-Project Work Practical Work<br>Mouetsi                         |                      |                                                   |                                                        |
| Tuesday   | Signal Processing Course<br>Rechem        | Signal Processing Tutorial<br>Rechem      | Technology and fabrication of integrated circuits Course<br>Rechem |                      | Antennas and Waves Propagation Course<br>Aber     | Signal Processing Practical work /2<br>Rechem          |
| Wednesday | Microprocesseurs Systems Course<br>Zaamta | Microprocesseurs Systems Course<br>Zaamta | Microprocesseurs Systems Tutorial<br>Zaamta                        |                      | Microprocesseurs Systems Practical Work<br>Zaamta |                                                        |
| Thursday  | Computer Networks Course<br>Lashab        | Computer Networks Tutorial<br>Lashab      | Computer Networks Practical work /2<br>Lashab                      |                      |                                                   |                                                        |

|           | 8h to 9h : 30                                             | 9h : 30 to 11h                                             | 11h : 15 to 12h : 45                                   | 12h : 45 to 13h : 30 | 13h : 30 to 15h : 00                                         | 15h : 00to 16h : 30                           |
|-----------|-----------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|----------------------|--------------------------------------------------------------|-----------------------------------------------|
| Saturday  |                                                           | English and Automation Course<br><b>Ait Kaki</b> (on line) |                                                        | <b>Brake</b>         |                                                              |                                               |
| Sunday    | Power Electronics Practical Work G1<br>Barkat             | Power Electronics Practical work G2<br>Barkat              | Modeling and identification of Syst Course<br>Ghediri  |                      | Control of Linear Systems Course<br>Ghediri                  | Control of Linear Systems Tutorial<br>Ghediri |
| Monday    | Power Electronics Course<br>Barkat<br><u>Amphi 4</u>      | Renewable energy prod and Storage Course<br>Amrane         | Power Electronics Tutorial<br>Barkat                   |                      | µprocessors and Microcontrollers Course<br>Remache S         |                                               |
| Tuesday   |                                                           | µprocessors and Microcontrollers Course<br>Remache S       | µprocessors and Microcontrollers Tutorial<br>Remache S |                      | µprocessors and Microcontrollers Practical Work<br>Remache S | Standards and Certification Cours<br>Mekki    |
| Wednesday |                                                           | Programming C++ Course<br>Mouetsi                          | Programming c++ Practical work<br>Mouesti              |                      |                                                              |                                               |
| Tursday   | Modeling and identif systems<br>Practical work<br>Ghediri | Control of Linear Systems<br>Practical work<br>Ghediri     |                                                        |                      |                                                              |                                               |

|           | 8h to 9h : 30                                                     | 9h : 30 to 11h                                                                                   | 11h : 15 to 12h : 45                                  | 12h : 45 to 13h : 30 | 13h : 30to 15h : 00                                                     | 15h : 00to 16h : 30                          |
|-----------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------|-------------------------------------------------------------------------|----------------------------------------------|
| Saturday  |                                                                   | Doc research and dissertation design<br>Course<br>Bedoui (on line)                               |                                                       | Brake                |                                                                         |                                              |
| Sunday    |                                                                   | Industrial Electrical Network<br>Course + Tutorial<br>Laib                                       |                                                       |                      | Industrial Electrical Network<br>Practical work /2<br>Laib              |                                              |
| Monday    |                                                                   | Integration of renewable resources into<br>Electrical Networks<br>Course + Tutorial<br>Remache S |                                                       |                      | Reverse Engineering<br>Course<br>Dib<br>Amphi 2                         | Reverse Engineering<br>Tutorial / P W<br>Dib |
| Tuesday   |                                                                   | Conduction of Electrical Network<br>Course + Tutorial<br>Bedoui                                  |                                                       |                      | Stability and Dynamics<br>of Elect. Netw. RE<br>Practical work<br>Mekki |                                              |
| Wednesday | Stability and Dynamics of<br>ElectricalNetwork<br>Course<br>Mekki | Stability and Dynamics of<br>ElectricalNetwork<br>Tutorial<br>Mekki                              | Intelligent<br>Electrical Network<br>Course<br>Mekki  |                      |                                                                         |                                              |
| Thursday  | High Voltage Techniques<br>Course + Tutorial<br>Hamdi             |                                                                                                  | High Voltage<br>Techniques<br>Practical Work<br>Hamdi |                      |                                                                         |                                              |

**Time Table**  
**S1 : 2026/ 2027**  
**M2ESE**

**Block : B Floor : 1**  
**Room : 34**

|           | 8h to 9h : 30                        | 9h : to 11h                                                            | 11h : 15 to 12h : 45                                                | 12h : 45 to<br>13h : 30 | 13h : 30 to 15h : 00                            | 15h : 00 to 16h : 30                                 |
|-----------|--------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------|-------------------------------------------------|------------------------------------------------------|
| Saturday  |                                      | Bibliographic Research<br>Course<br>Bedoui (on line)                   |                                                                     | Brake                   |                                                 |                                                      |
| Sunday    |                                      | Real Time Systems<br>Course<br>Batat                                   | Real Time Systems<br>Tutorial<br>Batat                              |                         | Real Time Systems<br>Practical work/2<br>Batat  |                                                      |
| Monday    | Real Time Systems<br>Course<br>Batat | Embedded Systems<br>Course<br>Mendaci                                  | Embedded Systems<br>Tutorial<br>Mendaci                             |                         | Reverse Engineering<br>Course<br>Dib<br>Amphi 2 | Reverse<br>Engineering<br>Tutorial / PW<br>Dib / ... |
| Tuesday   |                                      | Embedded Artificial<br>System<br>Course<br>Lashab                      | Embedded Artificial<br>System<br>Lashab                             |                         | Artificial System<br>Practical work<br>Sari     | Industrial<br>networks Practical<br>work<br>Lamamra  |
| Wednesday |                                      | Study and<br>implementation of<br>projects<br>Course<br>Mendaci        | Study and implementation<br>of projects<br>Pactical work<br>Mendaci |                         | Embedded Systems<br>Practical work<br>Mendaci   |                                                      |
| Thursday  |                                      | Industrial networks and communications<br>Course + Tutorial<br>Lamamra |                                                                     |                         |                                                 |                                                      |

**Time Table**  
**S1 : 2026 / 2027**  
**M2 Automation and Systems**

**Block : B Floor : 1**  
**Room : 35**

|           | 8h to 9h : 30                                        | 9h : 30 to 11h                                                             | 11h : 15 to 12h : 45                                       | 12h : 45 to 13h : 30 | 13h : 30to 15h : 00                                        | 15h : 00to 16h : 30                                                 |
|-----------|------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------|----------------------|------------------------------------------------------------|---------------------------------------------------------------------|
| Saturday  |                                                      | Document research and<br>dissertation design<br>Course<br>Bedoui (on line) |                                                            | Brake                |                                                            |                                                                     |
| Sunday    |                                                      | Predictive and adaptive control<br>Course<br>Djouambi                      |                                                            |                      | Predictive and<br>adaptive control<br>Tutorial<br>Djouambi | Predictive and<br>adaptive control<br>Practical work /2<br>Djouambi |
| Monday    |                                                      | Real-time systems<br>Course<br>Batat                                       | Real-time systems<br>Practical work<br>Batat               |                      | Reverse Engineering<br>Course Dib<br>Amphi 2               | Reverse Engineering<br>Tutorial /P W<br>Dib / ...                   |
| Tuesday   |                                                      | Intelligent Control<br>Course<br>Lamamra                                   | Intelligent Control<br>Tutorial<br>Lamamra                 |                      | Intelligent Control<br>Practical work<br>Lamamra           |                                                                     |
| Wednesday | Diagnosticsof systèmes<br>Practical work<br>Belkacem | Diagnosticsof systèmes<br>Course + Tutorial<br>Golea                       |                                                            |                      |                                                            |                                                                     |
| Thursday  | Control of handling<br>robots<br>Course<br>Djebabla  | Control of handling<br>robots<br>Tutorial<br>Djebabla                      | Control of handling<br>robots<br>Pracical work<br>Djebabla |                      |                                                            |                                                                     |

|           | 8h to 9h : 30                                                | 9h : 30 to 11h                                                  | 11h : 15 to 12h : 45                                                        | 12h : 45 to 13h : 30 | 13h : 30 to 15h : 00                                                          | 15h : 00 to 16h : 30                                                      |  |
|-----------|--------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------|--|
| Saturday  |                                                              |                                                                 |                                                                             | Pause                |                                                                               |                                                                           |  |
| Sunday    |                                                              | Applied numerical methods and optimization<br>Course<br>Nouicer | Applied numerical methods and optimization<br>Tutorial<br>Nouicer           |                      | Applied numerical methods and optimization<br>Practical Work<br>Nouicer       |                                                                           |  |
| Monday    |                                                              | Advanced Programming Paython<br>Practical Work<br>Ourzifi       | Electrical Energy transmission and network distribution<br>Course<br>Bedoui |                      | Electrical Energy transmission and network distribution<br>Tutorial<br>Bedoui | Energy transmission and distribution networks<br>Practical work<br>Bedoui |  |
| Tuesday   | Industrial Safety and authorization<br>Course<br>Rahem       | Advanced Power Electronics<br>Course<br>Laib                    | Advanced Power Electronics<br>Tutorial<br>Laib                              |                      | Advanced Power Electronics<br>Practical Work<br>Laib                          |                                                                           |  |
| Wednesday |                                                              | Advanced Electrical Machines<br>Course + Tutorial<br>Sakri      |                                                                             |                      | Advanced Electrical Machines<br>Practical work G1/G2<br>Sakri                 |                                                                           |  |
| Thursday  | Advanced Programming Paython<br>Course<br>Zeroual<br>Amphi 2 | μprocessors and μcontrollers<br>Course<br>Debbache              | μprocessors and μcontrollers<br>Practical Work<br>Debbache                  |                      |                                                                               |                                                                           |  |

|           | 8h to 9h : 30                                                          | 9h : 30 to 11h                                                           | 11h : 15 to 12h : 45                                            | 12h : 45 to 13h : 30 | 13h : 30to 15h : 00                                     | 15h : 00to 16h : 30                                            |
|-----------|------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|---------------------------------------------------------|----------------------------------------------------------------|
| Saturday  |                                                                        |                                                                          |                                                                 | Brake                |                                                         |                                                                |
| Sunday    |                                                                        | Digital servo systems<br>Course + Tutorial<br>Ourzifi                    |                                                                 |                      | Digital servo systems<br>Practical Work<br>Ourzifi      |                                                                |
| Monday    | Advanced Signal<br>Processing<br>Course<br>Boulakroune                 | - Advanced Signal<br>Processing<br>Tutorial<br>Boulakroune               | Advanced<br>Programming<br>Paython<br>Practical work<br>Ourzifi |                      | ProgrammingC++<br>Embadded<br>Course<br>Mouetsi         |                                                                |
| Tuesday   | µcontrollers Systems<br>Course<br>Debbache                             |                                                                          | µcontrollers Systems<br>Tutorial<br>Debbache                    |                      | µcontrollers Systems<br>Practical work<br>Debbache      |                                                                |
| Wednesday | Advanced Digital<br>Electronics: FPGA and<br>VHDL<br>Course<br>Zeroual | Advanced Digital<br>Electronics: FPGA and<br>VHDL<br>Tutorial<br>Zeroual | Advanced Digital<br>Electronic<br>Practical work<br>Zeroual     |                      | ProgrammingC++<br>Embadded<br>Practical Work<br>Mouetsi | Advanced signal<br>Processing<br>Practical work<br>Boulakroune |
| Thursday  | Advanced Program<br>Paython<br>Course<br>Zeroual<br>Amphi 2            |                                                                          |                                                                 |                      |                                                         |                                                                |

**Time Table**  
**S1 : 2026 / 2027**  
**M1Automation and Systems**

**Block : B    Floor : 1**  
**Room : 31**

|           | 8h to 9h : 30                                                  | 9h : 30 to 11h                                                 | 11h : 15 to 12h : 45                                        | 12h : 45 to 13h : 30 | 13h : 30 to 15h : 00                                       | 15h : 00to16h : 30                                         |
|-----------|----------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------|----------------------|------------------------------------------------------------|------------------------------------------------------------|
| Saturday  |                                                                |                                                                |                                                             | Brake                |                                                            |                                                            |
| Sunday    |                                                                | Converter-machine association<br>Course +Tutorial<br>Sakri     |                                                             |                      | Converter-machine<br>association<br>Pracical work<br>Sakri |                                                            |
| Monday    |                                                                | Multivariable Linear Systems<br>Course<br>Golea                |                                                             |                      | Identification<br>techniques<br>Course<br>Djouambi         | Identification<br>techniques<br>Practical work<br>Djouambi |
| Tuesday   |                                                                | Optimization<br>Course<br>Nouicer                              | Optimization<br>Tutorial<br>Nouicer                         |                      | Optimization<br>Practical work<br>Nouicer                  |                                                            |
| Wednesday | Multivariable<br>Linear Systems<br>Tutorial<br>Golea           | Signal Processing<br>Course<br>Boulakroune                     | Signal Processing<br>Tutorial<br>Boulakroune                |                      | Signal Processing<br>Practical work /2<br>Boulakroune      |                                                            |
| Thursday  | Advanced<br>Programming Python<br>Course<br>Zeroual<br>Amphi 2 | Advanced<br>Programming<br>Python<br>Practical Work<br>Zeroual | Multivariable<br>Linear Systems<br>Pracical work<br>Ghediri |                      |                                                            |                                                            |