

**DIPLOMA KEJURUTERAAN ELEKTRONIK (KOMUNIKASI)  
POLITEKNIK SEBERANG PERAI**

| SEMESTER 1 / YEAR 1 |  |       |                 |              |              |               |                                  |
|---------------------|--|-------|-----------------|--------------|--------------|---------------|----------------------------------|
| No                  | Course Name                                  | Code  | Classification  | Prerequisite | Credit Hours | Contact Hours | Course Coordinator               |
| 1.                  | Pendidikan Islam                             | AA101 | Compulsory      | None         | 2            | 3             | -                                |
| 2.                  | Asas Pendidikan Moral                        | AB102 | Compulsory      | None         | 2            | 3             | -                                |
| 3.                  | Communicative English 1                      | AE101 | Compulsory      | None         | 2            | 4             | -                                |
| 4.                  | Co-Curriculum 1                              | AR101 | Compulsory      | None         | 1            | 2             | Ajmir b. Mohd Saill              |
| 5.                  | Engineering Mathematics 1                    | BA101 | Common core     | None         | 2            | 3             | Pn. Noor Akmalun Nisa' Binti Man |
| 6.                  | Engineering Science                          | BB101 | Common core     | None         | 2            | 3             | Pn. Nur Azilina Bt Abdul Aziz    |
| 7.                  | Computer Application                         | BC101 | Common core     | None         | 1            | 2             | Pn. Shu Haila Bt Mohd Yusof      |
| 8.                  | Electrical Technology                        | ET101 | Discipline core | None         | 2            | 4             | Junainah Bt Abd Kadir.           |
| 9.                  | Electrical Wiring                            | ET102 | Discipline core | None         | 2            | 4             | Mohd Sazali Ismail.              |
| 10.                 | Measurement                                  | EE101 | Discipline core | None         | 2            | 4             | Wan Sabariah Bt Wan Ismail.      |
| <b>TOTAL</b>        |  |       |                 |              | <b>16</b>    | <b>29</b>     |                                  |
| SEMESTER 2 / YEAR 1 |  |       |                 |              |              |               |                                  |
| No                  | Course Name                                  | Code  | Classification  | Prerequisite | Credit Hours | Contact Hours | Course Coordinator               |
| 1.                  | Sains Teknologi Dan Kejuruteraan Dalam Islam | AA209 | Compulsory      | None         | 2            |               | -                                |
| 2.                  | Pendidikan Moral                             | AB202 | Compulsory      | None         | 2            |               | -                                |
| 3.                  | Co-Curriculum 2                              | AR201 | Compulsory      | AR201        | 1            | 2             | Ali Wan Chee                     |
| 4.                  | Engineering Mathematics 2                    | BA201 | Common core     | BA101        | 2            | 3             | Pn. Yuvanes A/P Kuppan           |
| 5.                  | Occupational                                 | AW101 | Common          | None         | 1            | 2             | Masliza Bt                       |

**DIPLOMA KEJURUTERAAN ELEKTRONIK (KOMUNIKASI)  
POLITEKNIK SEBERANG PERAI**

|                            | Safety and Health 1                     |       | Core            |              |              |               | Maskin                                  |
|----------------------------|---|-------|-----------------|--------------|--------------|---------------|---|
| 6.                         | Electrical Circuits                     | ET201 | Discipline core | ET101        | 2            | 4             | Noraini Bt Mansor.                      |
| 7.                         | Semiconductor Devices                   | EE201 | Discipline core | None         | 2            | 4             | Aslina Bt Arbain.                       |
| 8.                         | Fundamental Programming                 | EC201 | Discipline core | None         | 2            | 3             | Siti Aminah Bt Mohd Radzi.              |
| 9.                         | Digital Electronics                     | EE202 | Discipline core | None         | 3            | 5             | Mohd Kamal Ariffin Bin Zakariya.        |
| 10.                        | Computer Aided Design (CAD)             | EC202 | Discipline core | None         | 1            | 2             | Misida Bt Senon.                        |
| <b>TOTAL</b>               |   |       |                 |              | <b>16</b>    | <b>29</b>     |   |
| <b>SEMESTER 3 / YEAR 2</b> |   |       |                 |              |              |               |   |
| No                         | Course Name                             | Code  | Classification  | Prerequisite | Credit Hours | Contact Hours | Course Coordinator                      |
| 1.                         | Communicative English 2                 | AE301 | Compulsory      | AE101        | 2            | 3             | -                                       |
| 2.                         | Soft Skills                             | AS101 | Compulsory      | None         | 2            | 3             | Jumiyati                                |
| 3.                         | Engineering Mathematics 3               | BA301 | Common core     | None         | 2            | 3             | Pn. Norshafiza binti Mohamad Khairuddin |
| 4.                         | Electronic Circuits                     | EE301 | Discipline core | None         | 2            | 4             | Zainab Bt Yusof.                        |
| 5.                         | Electronic Computer Aided Design (ECAD) | EC302 | Discipline core | None         | 2            | 3             | Norhanani Bt Abd Rahman.                |
| 6.                         | Communication System Fundamentals       | EP301 | Discipline core | None         | 2            | 4             | Che Fauziah Bt Adam.                    |
| 7.                         | Electronic Equipment Repair             | EE302 | Discipline core | EE201        | 2            | 4             | Amir Bin Abu Bakar                      |
| 8.                         | Telephony                               | EP302 | Specialisation  | None         | 2            | 4             | J Sam B. Hamidon.                       |
| <b>TOTAL</b>               |   |       |                 |              | <b>16</b>    | <b>28</b>     |   |
| <b>SEMESTER 4 / YEAR 2</b> |   |       |                 |              |              |               |   |
| No                         | Course Name                             | Code  | Classificati    | Prerequisit  | Credit       | Contact       | Course                                  |

**DIPLOMA KEJURUTERAAN ELEKTRONIK (KOMUNIKASI)  
POLITEKNIK SEBERANG PERAI**

|                            |   |       | on              | e            | Hours        | Hours         | Coordinator                          |
|----------------------------|---|-------|-----------------|--------------|--------------|---------------|--------------------------------------|
| 1.                         | Industrial Training                     | AT401 | Compulsory      | AS101        | 10           | -             | Mohd Sallehin<br>B Abbas             |
| <b>TOTAL</b>               |   |       |                 |              | <b>10</b>    | <b>-</b>      |                                      |
| <b>SEMESTER 5 / YEAR 3</b> |   |       |                 |              |              |               |                                      |
| No                         | Course Name                             | Code  | Classification  | Prerequisite | Credit Hours | Contact Hours | Course Coordinator                   |
| 1.                         | Communicative English 3                 | AE501 | Compulsory      | AE301        | 2            | 3             | -                                    |
| 2.                         | Engineering Mathematics 4               | BA501 | Common Core     | BA201        | 2            | 3             | Pn. Azurani Bt<br>Abd Rauf           |
| 3.                         | Computer Networking Fundamentals        | EC301 | Discipline core | None         | 2            | 4             | Norlizah Bt<br>Ismail.               |
| 4.                         | Embedded Systems Applications           | EC501 | Discipline core | None         | 2            | 4             | Noazri B.<br>Bakhari.                |
| 5.                         | Circuit Analysis                        | EE602 | Discipline core | ET201        | 2            | 3             | Jasni B.<br>Yusof.                   |
| 6.                         | Fibre Optic Communication System        | EP501 | Specialisation  | None         | 2            | 4             | Kamarul<br>Ariffin B. Abd<br>Rashid. |
| 7.                         | Project 1                               | EE501 | Specialisation  | None         | 2            | 3             | Muhammad<br>Majdi B.<br>Saad.        |
| 8.                         | Interactive Multimedia Applications     | EC504 | Elective        | None         | 2            | 4             |                                      |
| 9.                         | IC Fabrication and Packaging Technology | EE503 | Elective        | None         | 2            | 3             | Azlina Bt Abd<br>Aziz                |
| <b>TOTAL</b>               |   |       |                 |              | <b>16</b>    | <b>28</b>     |                                      |
| <b>SEMESTER 6 / YEAR 3</b> |   |       |                 |              |              |               |                                      |
| No                         | Course Name                             | Code  | Classification  | Prerequisite | Credit Hours | Contact Hours | Course Coordinator                   |
| 1.                         | Tamadun Islam                           | AA301 | Compulsory      | None         | 2            | 3             | -                                    |
| 2.                         | Engineering Mathematics 5               | BA601 | Common Core     | BA501        | 2            | 3             | Pn. Zuraina Bt<br>Ismail             |
| 3.                         | Entrepreneurship                        | PB201 | Common Core     | None         | 2            | 3             | Nasrolayuze<br>Bt Md Saad.           |

**DIPLOMA KEJURUTERAAN ELEKTRONIK (KOMUNIKASI)  
POLITEKNIK SEBERANG PERAI**

|                      |                                 |       |                |                 |           |           |                           |
|----------------------|---------------------------------|-------|----------------|-----------------|-----------|-----------|---------------------------|
| 4.                   | Data Communication              | EP601 | Specialisation | EP301,<br>EP302 | 2         | 4         | Nor Winda Bt Ismail.      |
| 5.                   | Wireless Communication          | EP602 | Specialisation | EP301,<br>EP302 | 2         | 4         | Mohd Kamil B. Mohd Zahari |
| 6.                   | Microwave Devices               | EP603 | Specialisation | EP301,<br>EP302 | 2         | 4         | Sazali B. Husin.          |
| 7.                   | Project 2                       | EE601 | Specialisation | EE501           | 2         | 3         | Muhammad Majdi B. Saad.   |
| 8.                   | Microwave Communication Systems | EP604 | Elective       | EP301,<br>EP302 | 2         | 4         | Shaiful Hanif B. Mat Din. |
| 9.                   | Signal & System                 | EE605 | Elective       | None            | 2         | 4         | Mohd Sallehin B. Abas     |
| <b>TOTAL</b>         |                                 |       |                |                 | <b>16</b> | <b>28</b> |                           |
| <b>OVERALL TOTAL</b> |                                 |       |                |                 | <b>90</b> |           |                           |