# भारतीय प्रौद्योगिकी संस्थान पटना
## INDIAN INSTITUTE OF TECHNOLOGY PATNA

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| Roll No: 0501EE14 | Name: Salaidh Scallon | Year of Admission: 2005 |
| Programme: Bachelors of Technology | Course: Electrical Engineering | |

**Semester 1**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CH101 | Chemistry - I | 3-1-0 | 8 | CC |
| CH110 | Chemistry Laboratory | 0-0-3 | 3 | AB |
| EE101 | Electrical Sciences | 3-1-0 | 8 | BB |
| HS101 | English : Language Through Literature | 3-0-0 | 6 | BC |
| MA101 | Mathematics - I | 3-1-0 | 8 | CD |
| ME110 | Workshop - I | 0-0-3 | 3 | BB |
| ME111 | Engineering Drawing | 2-0-3 | 7 | BC |
| PH101 | Physics - I | 2-1-0 | 6 | BB |

**Credits Taken: 49   Credits Cleared: 49   SPI: 6.98  CPI: 6.98**

**Semester 2**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CH102 | Chemistry - II | 3-0-0 | 6 | BC |
| CS101 | Introduction to Computing | 3-0-0 | 6 | BC |
| CS110 | Computing Laboratory | 0-0-3 | 3 | BC |
| EE102 | Basic Electronics Laboratory | 0-0-4 | 4 | AB |
| MA102 | Mathematics - II | 3-1-0 | 8 | BC |
| ME101 | Engineering Mechanics | 3-1-0 | 8 | CD |
| PH102 | Physics - II | 2-1-0 | 6 | BC |
| PH110 | Physics Laboratory | 0-0-3 | 3 | BB |

**Credits Taken: 44   Credits Cleared: 44   SPI: 6.89  CPI: 6.94**

**Semester 3**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS201 | Object Oriented Programming and Data Structures | 3-0-3 | 9 | CD |
| EE200 | Semiconductor Devices and Circuits | 3-0-0 | 6 | BB |
| EE201 | Digital Circuits and Microprocessors | 3-0-0 | 6 | CC |
| EE202 | Digital Circuits Laboratory | 0-0-3 | 3 | AB |
| EE220 | Signal, System and Networks | 3-1-0 | 8 | BC |
| HS201 | Introductory Microeconomics | 3-0-0 | 6 | AB |
| MA201 | Mathematics - III | 3-1-0 | 8 | CC |

**Credits Taken: 46   Credits Cleared: 46   SPI: 6.83  CPI: 6.9**

**Semester 4**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE203 | Analog Integrated Circuits | 3-0-0 | 6 | BC |
| EE204 | Analog Circuits Laboratory | 0-0-3 | 3 | AB |
| EE230 | Principles of Communication | 3-1-0 | 8 | BB |
| EE280 | Electrical Machines | 3-0-0 | 6 | CC |
| EE281 | Electrical Machines Laboratory | 0-0-3 | 3 | BB |
| HS202 | Introductory Macroeconomics | 3-0-0 | 6 | BC |
| MA225 | Probability Theory and Random Processes | 3-1-0 | 8 | BB |
| MA251 | Optimization Techniques | 3-0-0 | 6 | BC |

**Credits Taken: 46   Credits Cleared: 46   SPI: 7.41  CPI: 7.03**

**Semester 5**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE310 | Introduction to VLSI Design | 3-0-0 | 6 | BB |
| EE311 | VLSI laboratory | 0-0-3 | 3 | AB |
| EE320 | Digital Signal Processing | 3-0-0 | 6 | BB |
| EE331 | Communication Laboratory | 0-0-3 | 3 | BB |
| EE350 | Control Systems | 3-0-0 | 6 | BB |
| EE370 | Electronic Instrumentation | 3-0-0 | 6 | BB |
| EE371 | Instrumentation and Control Lab | 0-0-3 | 3 | AB |
| EE380 | Electrical Power Systems | 3-0-0 | 6 | BC |

**Credits Taken: 39   Credits Cleared: 39   SPI: 8.0  CPI: 7.2**

**Semester 6**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE304 | Design Laboratory | 0-0-4 | 4 | BB |
| EE321 | Digital Signal Processing Laboratory | 0-0-3 | 3 | BB |
| EE322 | Mathematical Methods in Electrical Engineering | 3-0-0 | 6 | AB |
| EE340 | Electromagnetic Theory | 3-0-0 | 6 | BC |
| EE351 | Advanced Control Systems | 3-0-0 | 6 | CC |
| EE360 | Embedded Systems | 3-0-0 | 6 | BB |
| EE361 | Embedded Systems Laboratory | 0-0-3 | 3 | BB |
| HS311 | Diasporic Literature | 3-0-0 | 6 | AB |

**Credits Taken: 40   Credits Cleared: 40   SPI: 7.85  CPI: 7.3**

**Semester 7**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE400 | Summer Training | 0-0-0 | 2 | BB |
| EE430 | Fiber Optic Transmission Systems and Networks | 3-0-0 | 6 | AB |
| EE480 | Electrical Power Systems Operation and Control | 3-0-0 | 6 | BC |
| EE481 | Power Electronics and Drives | 3-0-0 | 6 | BB |
| EE482 | Advanced Electrical Engineering Laboratory | 0-0-3 | 3 | BB |
| EE490 | Image Processing | 3-0-0 | 6 | BB |
| EE498 | Project - I | 0-0-8 | 10 | AB |
| PH402 | Solid State Devices | 3-0-0 | 6 | AB |

**Credits Taken: 45   Credits Cleared: 45   SPI: 8.36  CPI: 7.45**

**Semester 8**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE483 | Distributed Energy Resources | 3-0-0 | 6 | BC |
| EE499 | Project - II | 0-0-14 | 14 | BC |
| EE508 | Intelligent Visual Surveillance Systems | 3-0-0 | 6 | BC |
| HS441 | Industrial and Organizational Psychology | 3-0-0 | 6 | BB |
| PH403 | Photovoltaics & Fuel Cell Technology | 3-0-0 | 6 | BC |

**Credits Taken: 38   Credits Cleared: 38   SPI: 7.16  CPI: 7.42**