# भारतीय प्रौद्योगिकी संस्थान पटना
# INDIAN INSTITUTE OF TECHNOLOGY PATNA

**TRANSCRIPT**

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|---|---|---|
| **Roll No:** 0401EE34 | **Name:** Naoma Winfrey | **Year of Admission:** 2004 |
| **Programme:** Btech | **Course:** Electrical Engineering | |

**Semester 1**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CH101 | Chemistry - I | 3/1/2000 | 8 | AB |
| CH110 | Chemistry Laboratory | 0-0-3 | 3 | AA |
| EE101 | Electrical Sciences | 3/1/2000 | 8 | BB |
| HS101 | English : Language Through Literature | 3-0-0 | 6 | BB |
| MA101 | Mathematics - I | 3/1/2000 | 8 | AB |
| ME111 | Engineering Drawing | 2-0-3 | 7 | BB |
| PH101 | Physics - I | 2/1/2000 | 6 | AA |
| PH110 | Physics Laboratory | 0-0-3 | 3 | AA |

**Credits taken: 49    Credits cleared: 49  SPI: 8.82          CPI:8.82**

**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 | CD |
| CS110 | Computing Laboratory | 0-0-3 | 3 | BC |
| EE102 | Basic Electronics Laboratory | 0-0-4 | 4 | AB |
| MA102 | Mathematics - II | 3/1/2000 | 8 | AB |
| ME101 | Engineering Mechanics | 3/1/2000 | 8 | BB |
| ME110 | Workshop - I | 0-0-3 | 3 | BB |
| PH102 | Physics - II | 2/1/2000 | 6 | BB |

**Credits taken: 44    Credits cleared: 44  SPI: 7.66          CPI:8.24**

**Semester 3**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS201 | Object Oriented Programming and Data Structures | 3-0-3 | 9 | BB |
| EE200 | Semiconductor Devices and Circuits | 3-0-0 | 6 | AB |
| EE201 | Digital Circuits and Microprocessors | 3-0-0 | 6 | AB |
| EE202 | Digital Circuits Laboratory | 0-0-3 | 3 | AB |
| EE220 | Signal, System and Networks | 3/1/2000 | 8 | AA |
| HS201 | Introductory Microeconomics | 3-0-0 | 6 | AB |
| MA201 | Mathematics - III | 3/1/2000 | 8 | AB |

**Credits taken: 46    Credits cleared: 46  SPI: 8.98          CPI:8.48**

**Semester 4**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE203 | Analog Integrated Circuits | 3-0-0 | 6 | AB |
| EE204 | Analog Circuits Laboratory | 0-0-3 | 3 | AA |
| EE230 | Principles of Communication | 3/1/2000 | 8 | BB |
| EE280 | Electrical Machines | 3-0-0 | 6 | AB |
| EE281 | Electrical Machines Laboratory | 0-0-3 | 3 | AB |
| HS202 | Introductory Macroeconomics | 3-0-0 | 6 | BB |
| MA225 | Probability Theory and Random Processes | 3/1/2000 | 8 | AB |
| MA251 | Optimization Techniques | 3-0-0 | 6 | BB |

**Credits taken: 46    Credits cleared: 46  SPI: 8.63          CPI:8.52**

**Semester 5**

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

**Credits taken: 39    Credits cleared: 39  SPI: 8.62          CPI:8.54**

**Semester 6**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE304 | Design Laboratory | 0-0-4 | 4 | AB |
| EE321 | Digital Signal Processing Laboratory | 0-0-3 | 3 | AB |
| EE322 | Mathematical Methods in Electrical Engineering | 3-0-0 | 6 | BB |
| EE340 | Electromagnetic Theory | 3-0-0 | 6 | AB |
| EE351 | Advanced Control Systems | 3-0-0 | 6 | BB |
| EE360 | Embedded Systems | 3-0-0 | 6 | AB |
| EE361 | Embedded Systems Laboratory | 0-0-3 | 3 | AB |
| HS331 | Sociology of Development | 3-0-0 | 6 | BC |

**Credits taken: 40    Credits cleared: 40  SPI: 8.4          CPI:8.52**

**Semester 7**

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

**Credits taken: 43    Credits cleared: 43  SPI: 9.09          CPI:8.6**

**Semester 8**

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| EE483 | Distributed Energy Resources | 3-0-0 | 6 | AB |
| EE491 | Visual Surveillance Systems | 3-0-0 | 6 | BB |
| EE499 | Project - II | 0-0-14 | 14 | AA |
| HS441 | Industrial and Organizational Psychology | 3-0-0 | 6 | BB |
| MA412 | Matrix Computation | 3-0-0 | 6 | BB |

**Credits taken: 38    Credits cleared: 38  SPI: 8.89          CPI:8.64**

Date of Issue _____

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**Assistant Registrar(Academic)**