



भारतीय प्रौद्योगिकी संस्थान पटना  
INDIAN INSTITUTE OF TECHNOLOGY PATNA



INTERIM TRANSCRIPT

TRANSCRIPT

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Roll No: 0501CS17 Name: Cullen Howsden Year of Admission: 2005  
Programme: Bachelors of Technology Course: Computer Science and Engineering

**Semester 1**

| Sub Code | Subject Name                          | L-T-P | CRD | GRD |
|----------|---------------------------------------|-------|-----|-----|
| CH101    | Chemistry - I                         | 3-1-0 | 8   | CD  |
| CH110    | Chemistry Laboratory                  | 0-0-3 | 3   | BB  |
| EE101    | Electrical Sciences                   | 3-1-0 | 8   | BC  |
| 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   | BC  |

Credits Taken: 49 Credits Cleared: 49 SPI: 6.47 CPI: 6.47

**Semester 2**

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

Credits Taken: 44 Credits Cleared: 44 SPI: 5.75 CPI: 6.13

**Semester 3**

| Sub Code | Subject Name                                    | L-T-P | CRD | GRD |
|----------|---|-------|-----|-----|
| CS201    | Object Oriented Programming and Data Structures | 3-0-3 | 9   | CD  |
| CS203    | Discrete Mathematics                            | 3-0-0 | 6   | BB  |
| CS221    | Digital Design                                  | 3-0-0 | 6   | BC  |
| EE220    | Signal, System and Networks                     | 3-1-0 | 8   | BC  |
| HS201    | Introductory Microeconomics                     | 3-0-0 | 6   | BB  |
| MA201    | Mathematics - III                               | 3-1-0 | 8   | CD  |

Credits Taken: 43 Credits Cleared: 43 SPI: 6.49 CPI: 6.24

**Semester 4**

| Sub Code | Subject Name                            | L-T-P | CRD | GRD |
|----------|---|-------|-----|-----|
| CS204    | Algorithms                              | 3-0-0 | 6   | BC  |
| CS222    | Computer Organization and Architecture  | 3-0-0 | 6   | CD  |
| CS223    | Hardware Laboratory                     | 0-0-3 | 3   | BB  |
| CS241    | Software Engineering                    | 2-0-3 | 7   | BC  |
| CS242    | Systems Programming Laboratory          | 0-1-3 | 5   | BB  |
| HS202    | Introductory Macroeconomics             | 3-0-0 | 6   | CC  |
| MA225    | Probability Theory and Random Processes | 3-1-0 | 8   | CD  |
| MA231    | Introduction to Numerical Methods       | 3-0-0 | 6   | CD  |

Credits Taken: 47 Credits Cleared: 47 SPI: 6.19 CPI: 6.23

**Semester 5**

| Sub Code | Subject Name                 | L-T-P | CRD | GRD |
|----------|------------------------------|-------|-----|-----|
| CS301    | Formal Language and Automata | 3-0-0 | 6   | CC  |
| CS331    | Programming Language         | 3-0-2 | 8   | CC  |
| CS341    | Operating Systems            | 3-0-0 | 6   | BB  |
| CS342    | Operating Systems Laboratory | 0-1-3 | 5   | AB  |
| CS343    | Data Communications          | 3-0-0 | 6   | CC  |
| CS344    | Databases                    | 3-0-0 | 6   | BC  |
| CS345    | Databases Laboratory         | 0-1-3 | 5   | AB  |

Credits Taken: 42 Credits Cleared: 42 SPI: 7.14 CPI: 6.4

**Semester 6**

| Sub Code | Subject Name             | L-T-P | CRD | GRD |
|----------|--------------------------|-------|-----|-----|
| CS302    | Theory of Computation    | 3-0-0 | 6   | CC  |
| CS346    | Compilers                | 3-0-0 | 6   | BB  |
| CS347    | Compilers Laboratory     | 0-0-3 | 3   | BB  |
| CS348    | Computer Networks        | 3-0-2 | 8   | BC  |
| CS362    | Computer Graphics        | 3-0-2 | 8   | BC  |
| CS399    | Seminar                  | 0-0-3 | 3   | AB  |
| HS331    | Sociology of Development | 3-0-0 | 6   | BC  |

Credits Taken: 40 Credits Cleared: 40 SPI: 7.22 CPI: 6.52

**Semester 7**

| Sub Code | Subject Name                         | L-T-P  | CRD | GRD |
|----------|--------------------------------------|--------|-----|-----|
| CS400    | Summer Training                      | 0-0-0  | 2   | BC  |
| CS421    | Computer Peripherals and Interfacing | 3-0-0  | 6   | CC  |
| CS422    | Peripherals and Interfacing Lab      | 0-1-3  | 5   | BB  |
| CS443    | Distributed Systems                  | 3-0-0  | 6   | AB  |
| CS461    | Artificial Intelligence              | 3-0-0  | 6   | BB  |
| CS498    | Project - I                          | 0-0-10 | 10  | AB  |
| MA410    | Graphs, Groups and Network           | 3-0-0  | 6   | BC  |

Credits Taken: 41 Credits Cleared: 41 SPI: 7.9 CPI: 6.71

**Semester 8**

| Sub Code | Subject Name                              | L-T-P  | CRD | GRD |
|----------|---|--------|-----|-----|
| CE442    | Industrial Waste Treatment and Management | 3-0-0  | 6   | CC  |
| CS453    | Wireless Sensor Networks                  | 3-0-0  | 6   | BC  |
| CS499    | Project - II                              | 0-0-16 | 16  | AB  |
| CS502    | Pattern Recognition                       | 3-0-0  | 6   | BB  |
| HS441    | Industrial and Organizational Psychology  | 3-0-0  | 6   | BB  |

Credits Taken: 40 Credits Cleared: 40 SPI: 7.95 CPI: 6.85