



# भारतीय प्रौद्योगिकी संस्थान पटना INDIAN INSTITUTE OF TECHNOLOGY PATNA



## INTERIM TRANSCRIPT

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Roll No: 0401EE11

Name: Arlena Murrow

Year of Admission: 2020

Programme: Bachelors of Technology

Course: EE

### Semester 1

CH101	Chemistry - I	3-1-0	8	CORE	AA
CH110	Chemistry Laboratory	0-0-3	3	CORE	AA
EE101	Electrical Sciences	3-1-0	8	CORE	BC
HS101	English : Language Through Literature	3-0-0	6	CORE	BB
MA101	Mathematics - I	3-1-0	8	CORE	AB
ME111	Engineering Drawing	2-0-3	7	CORE	AB
PH101	Physics - I	2-1-0	6	CORE	AB
PH110	Physics Laboratory	0-0-3	3	CORE	AA

Credits Taken: 49 Credits Cleared: 49 SPI: 8.84 CPI: 8.84

### Semester 2

CH102	Chemistry - II	3-0-0	6	CORE	AB
CS101	Introduction to Computing	3-0-0	6	CORE	BC
CS110	Computing Laboratory	0-0-3	3	CORE	BC
EE102	Basic Electronics Laboratory	0-0-4	4	CORE	AB
MA102	Mathematics - II	3-1-0	8	CORE	BC
ME101	Engineering Mechanics	3-1-0	8	CORE	BC
ME110	Workshop - I	0-0-3	3	CORE	AA
PH102	Physics - II	2-1-0	6	CORE	AB

Credits Taken: 44 Credits Cleared: 93 SPI: 7.93 CPI: 8.41

### Semester 3

CS201	Object Oriented Programming and Data Structures	3-0-3	9	CORE	AB
EE200	Semiconductor Devices and Circuits	3-0-0	6	CORE	AB
EE201	Digital Circuits and Microprocessors	3-0-0	6	CORE	BB
EE202	Digital Circuits Laboratory	0-0-3	3	CORE	BC
EE220	Signal, System and Networks	3-1-0	8	CORE	BB
HS201	Introductory Microeconomics	3-0-0	6	HS Elective	BB
MA201	Mathematics - III	3-1-0	8	CORE	AB

Credits Taken: 46 Credits Cleared: 139 SPI: 8.43 CPI: 8.42

### Semester 4

EE203	Analog Integrated Circuits	3-0-0	6	CORE	AB
EE204	Analog Circuits Laboratory	0-0-3	3	CORE	AA
EE230	Principles of Communication	3-1-0	8	CORE	BB
EE280	Electrical Machines	3-0-0	6	CORE	BC
EE281	Electrical Machines Laboratory	0-0-3	3	CORE	BB
HS202	Introductory Macroeconomics	3-0-0	6	HS Elective	AB
MA225	Probability Theory and Random Processes	3-1-0	8	CORE	AA
MA251	Optimization Techniques	3-0-0	6	Elective-Sc.	AA

Credits Taken: 46 Credits Cleared: 185 SPI: 8.87 CPI: 8.53

### Semester 5

EE310	Introduction to VLSI Design	3-0-0	6	CORE	BB
EE311	VLSI Laboratory	0-0-3	3	CORE	AB
EE320	Digital Signal Processing	3-0-0	6	CORE	AA
EE331	Communication Laboratory	0-0-3	3	CORE	AB
EE350	Control Systems	3-0-0	6	CORE	AA
EE370	Electronic Instrumentation	3-0-0	6	CORE	CC
EE371	Instrumentation and Control Lab	0-0-3	3	CORE	AB
EE380	Electrical Power Systems	3-0-0	6	CORE	AB

Credits Taken: 39 Credits Cleared: 224 SPI: 8.69 CPI: 8.56

### Semester 6

EE304	Design Laboratory	0-0-4	4	CORE	AA
EE321	Digital Signal Processing Laboratory	0-0-3	3	CORE	AB
EE322	Mathematical Methods in Electrical Engineering	3-0-0	6	CORE	AB
EE340	Electromagnetic Theory	3-0-0	6	CORE	BB
EE351	Advanced Control Systems	3-0-0	6	CORE	BB
EE360	Embedded Systems	3-0-0	6	CORE	BB
EE361	Embedded Systems Laboratory	0-0-3	3	CORE	AB
HS331	Sociology of Development	3-0-0	6	HS Elective	BC

Credits Taken: 40 Credits Cleared: 264 SPI: 8.35 CPI: 8.53

### Semester 7

EE400	Summer Training	0-0-0	2	CORE	AA
EE430	Fiber Optic Transmission Systems and Networks	3-0-0	6	DEPARTMENTAL ELECTIVE - I	AB
EE480	Electrical Power Systems Operation and Control	3-0-0	6	CORE	BB
EE481	Power Electronics and Drives	3-0-0	6	CORE	BC
EE482	Advanced Electrical Engineering Laboratory	0-0-3	3	CORE	BB
EE490	Image Processing	3-0-0	6	DEPARTMENTAL ELECTIVE - II	AA
EE498	Project - I	0-0-8	10	CORE	BB
PH402	Solid State Devices	3-0-0	6	OPEN ELECTIVE - I	AB

Credits Taken: 45 Credits Cleared: 309 SPI: 8.49 CPI: 8.52

### Semester 8

EE483	Distributed Energy Resources	3-0-0	6	Departmental Elective - III	BC
EE491	Visual Surveillance Systems	3-0-0	6	Departmental Elective - IV	BB
EE499	Project - II	0-0-14	14	CORE	BB
HS441	Industrial and Organizational Psychology	3-0-0	6	HSS Elective	BC
MA412	Matrix Computation	3-0-0	6	Open Elective - II	BB

Credits Taken: 38 Credits Cleared: 347 SPI: 7.68 CPI: 8.43

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Assistant Registrar (Academic)