भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF TECHNOLOGY PATNA

Roll No: 0401EE02	Name: Vanessa Barkworth	Year of Admission: 2020
Programme: Bachelors of Technology	Course: EE	

Semester 1

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

Credits Taken: 49   Credits Cleared: 49   SPI: 5.22 CPI: 5.22

Semester 2

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

Credits Taken: 44   Credits Cleared: 93   SPI: 5.61 CPI: 5.41

Semester 3

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

Credits Taken: 46   Credits Cleared: 139   SPI: 5.48 CPI: 5.43

Semester 4

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

Credits Taken: 46   Credits Cleared: 185   SPI: 5.78 CPI: 5.52

Semester 5

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

Credits Taken: 39   Credits Cleared: 224   SPI: 5.54 CPI: 5.52

Semester 6

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

Credits Taken: 40   Credits Cleared: 264   SPI: 5.05 CPI: 5.45

Semester 7

EE400	Summer Training	0-0-0	2	CORE	BB
EE430	Fiber Optic Transmission Systems and Networks	3-0-0	6	Departmental Elective - I	BC
EE480	Electrical Power Systems Operation and Control	3-0-0	6	CORE	CD
EE481	Power Electronics and Drives	3-0-0	6	CORE	DD
EE482	Advanced Electrical Engineering Laboratory	0-0-3	3	CORE	CD
EE490	Image Processing	3-0-0	6	CORE	BC
EE498	Project - I	0-0-8	10	CORE	BC
PH402	Solid State Devices	3-0-0	6	Open Elective - I	CC

Credits Taken: 45   Credits Cleared: 309   SPI: 6.11 CPI: 5.55

Semester 8

EE483	Distributed Energy Resources	3-0-0	6	Departmental Elective - III	CC
EE491	Visual Surveillance Systems	3-0-0	6	Departmental Elective - IV	BC
EE499	Project - II	0-0-14	14	CORE	CC
HS441	Industrial and Organizational Psychology	3-0-0	6	HSS Elective	CD
PH403	Photovoltaics & Fuel Cell Technology	3-0-0	6	Open Elective - II	BB

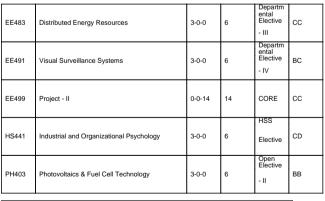**Credits Taken: 38   Credits Cleared: 347   SPI: 6.32 CPI: 5.63**

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TRANSCRIPT

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Assistant Registrar (Academic)