



भारतीय प्रौद्योगिकी संस्थान पटना INDIAN INSTITUTE OF TECHNOLOGY PATNA



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Roll No: 0401EE12

Name: Gustavus Bowler

Year of Admission: 2020

Programme: Bachelors of Technology

Course: EE

Semester 1

CH101	Chemistry - I	3-1-0	8	CORE	CC
CH110	Chemistry Laboratory	0-0-3	3	CORE	BC
EE101	Electrical Sciences	3-1-0	8	CORE	CC
HS101	English : Language Through Literature	3-0-0	6	CORE	BB
MA101	Mathematics - I	3-1-0	8	CORE	DD
ME111	Engineering Drawing	2-0-3	7	CORE	AA
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: 6.49 CPI: 6.49

Semester 2

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

Credits Taken: 44 Credits Cleared: 93 SPI: 5.5 CPI: 6.02

Semester 3

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

Credits Taken: 46 Credits Cleared: 139 SPI: 5.85 CPI: 5.96

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	BC
EE280	Electrical Machines	3-0-0	6	CORE	CD
EE281	Electrical Machines Laboratory	0-0-3	3	CORE	BB
HS211	Literature: Voices and Culture	3-0-0	6	HS Elective	BC
MA225	Probability Theory and Random Processes	3-1-0	8	CORE	CC
MA251	Optimization Techniques	3-0-0	6	Elective-Sc.	CD

Credits Taken: 46 Credits Cleared: 185 SPI: 6.37 CPI: 6.06

Semester 5

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

Credits Taken: 39 Credits Cleared: 224 SPI: 6.38 CPI: 6.12

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	CC
EE340	Electromagnetic Theory	3-0-0	6	CORE	CC
EE351	Advanced Control Systems	3-0-0	6	CORE	DD
EE360	Embedded Systems	3-0-0	6	CORE	CC
EE361	Embedded Systems Laboratory	0-0-3	3	CORE	CC
HS331	Sociology of Development	3-0-0	6	HS Elective	CC

Credits Taken: 40 Credits Cleared: 264 SPI: 5.95 CPI: 6.09

Semester 7

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

Credits Taken: 45 Credits Cleared: 309 SPI: 6.78 CPI: 6.19

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	BC
PH403	Photovoltaics & Fuel Cell Technology	3-0-0	6	Open Elective - II	BB

Credits Taken: 38 Credits Cleared: 347 SPI: 6.63 CPI: 6.24



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Assistant Registrar (Academic)

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