



# भारतीय प्रौद्योगिकी संस्थान पटना INDIAN INSTITUTE OF TECHNOLOGY PATNA



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Roll No: 0401ME18 Name: Lyell Boutwell Year of Admission: 2020  
Programme: Bachelors of Technology Course: ME

## Semester 1

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

Credits Taken: 49 Credits Cleared: 49 SPI: 6.98 CPI: 6.98

## Semester 2

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

Credits Taken: 44 Credits Cleared: 93 SPI: 5.82 CPI: 6.43

## Semester 3

CS201	Object Oriented Programming and Data Structures	3-0-3	9	CORE	BC
HS201	Introductory Microeconomics	3-0-0	6	HS Elective	BC
MA201	Mathematics - III	3-1-0	8	CORE	CC
ME201	Solid Mechanics	2-1-0	6	CORE	CC
ME204	Fluid Mechanics - I	2-1-0	6	CORE	CC
ME205	Thermodynamics	3-1-0	8	CORE	BC
ME211	Machine Drawing	0-0-4	4	CORE	BB

Credits Taken: 47 Credits Cleared: 140 SPI: 6.66 CPI: 6.51

## Semester 4

EE280	Electrical Machines	3-0-0	6	CORE	CD
EE281	Electrical Machines Laboratory	0-0-3	3	CORE	CC
HS202	Introductory Macroeconomics	3-0-0	6	HS Elective	CC
MA251	Optimization Techniques	3-0-0	6	Sc. Elective	CC
ME202	Engineering Materials	3-0-0	6	CORE	CC
ME203	Advanced Solid Mechanics	2-1-0	6	CORE	CD
ME206	Fluid Mechanics - II	2-1-0	6	CORE	CD
ME210	Workshop - II	0-0-6	6	CORE	AB
ME212	Mechanical Engineering Laboratory - I	0-0-4	4	CORE	AB

Semester 7 Credits Taken: 49 Credits Cleared: 189 SPI: 6.24 CPI: 6.44

ME400	Summer Training	0-0-0	2	CORE	AB
ME401	Industrial Engineering and Operations Research	3-1-0	8	CORE	AB
ME411	Mechanical Engineering Laboratory - IV	0-0-4	4	CORE	AA
ME449	Refrigeration and Air Conditioning	3-0-0	6	DEPARTMENTAL ELECTIVE - II	BB
ME461	Robotics and Robot Applications	3-0-0	6	DEPARTMENTAL ELECTIVE - II	AB
ME498	Project - I	0-0-8	8	CORE	AB
PH401	Introduction to Nanomaterials	3-0-0	6	OPEN ELECTIVE - I	AB

Credits Taken: 40 Credits Cleared: 321 SPI: 8.95 CPI: 6.83

## Semester 5

ME301	Manufacturing Technology - I	3-1-0	8	CORE	DD
ME302	Mechanical Measurements	2-1-0	6	CORE	BB
ME303	Design of Machine Elements	3-1-0	8	CORE	CC
ME304	Kinematics of Machinery	2-1-0	6	CORE	CD
ME305	Heat and Mass Transfer	3-1-0	8	CORE	BC
ME310	Mechanical Engineering Laboratory - II	0-0-4	4	CORE	BC
ME321	Applied Thermodynamics - I	2-1-0	6	CORE	CC

Credits Taken: 46 Credits Cleared: 235 SPI: 6.04 CPI: 6.36

## Semester 6

HS331	Sociology of Development	3-0-0	6	HS Elective	BB
ME306	Manufacturing Technology - II	3-1-0	8	CORE	BB
ME307	Machine Design	3-0-2	8	CORE	BB
ME308	Dynamics of Machinery	2-1-0	6	CORE	BB
ME309	Control Systems	3-1-0	8	CORE	CD
ME311	Mechanical Engineering Laboratory - III	0-0-4	4	CORE	BB
ME322	Applied Thermodynamics - II	2-1-0	6	CORE	BC

Credits Taken: 46 Credits Cleared: 281 SPI: 7.35 CPI: 6.52

## Semester 8

HS441	Industrial and Organizational Psychology	3-0-0	6	HSS Elective	BC
ME442	Aerodynamics	3-0-0	6	Departmental Elective - III	BB
ME446	Composite Materials and Engineering	3-0-0	6	Departmental Elective - IV	CD
ME499	Project - II	0-0-16	16	CORE	BB
PH403	Photovoltaics & Fuel Cell Technology	3-0-0	6	Open Elective - II	BB

Credits Taken: 40 Credits Cleared: 361 SPI: 7.4 CPI: 6.89



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Assistant Registrar (Academic)