

Electrical Engineering

Pre-Approved Courses/Course Equivalencies

Please be advised some students may require more than four semesters to complete Penn State Harrisburg degree requirements, depending upon their satisfactory progress.

I semester (15.5 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Chemical Principles/CHEM110/3	Principles of Chemistry /CH101/4
2	Experimental Chemistry/CHEM111/1	Chemistry Lab/CH102/2
3	General Education Arts/DANCE/3	Indian Culture-Dance/IC2/3
4	Calculus with Analytical Geometry I GQ/MATH140/4	Engg. Maths I/MA101/4
5	General Education Humanities/IL/HIST/3	Indian History-Pre & Post Independence/HUH5/3
6	Health and Physical activity/KINES/1.5	Physical Education Principles /PED1/1.5

II semester (15.5 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Health and Physical Activity/KINES/1.5	Cricket - Game Analysis/PED2/1.5
2	Introduction to Engineering Design/EDSGN100/3	Computer Aided Engineering Design and Drawing /ME101/4
3	Calculus with Analytical Geometry II/MATH141/4	Engg. Maths-II /MA201/4
4	General Physics: Mechanics/PHYS211/4	Engineering Mechanics/CV101/4
5	General Education Arts/MUSIC/3	Indian Culture-Music/IC1/3

III semester (17 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Introduction to Digital Systems/CMPEN271/3	Digital Electronic Circuits/EE305/4
2	Digital Design Laboratory/CMPEN275/1	Digital Electronic circuits Laboratory/EE308/1
3	Statics/EMCH211/3	Statics/CV102/3
4	Matrices/MATH220/2	Engg. Maths IV/MA401/4
5	Calculus & Vector Analysis/MATH230/4	Engg Maths V/MA402/4
6	General Physics-Electricity and Magnetism/PHYS212/4	Engg. Physics PH102/4 and Engg. Physics Lab PH109/1

IV semester (16 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Introduction to Programming techniques/ CMPSC121/3	Computer concepts and C programming /CS111/4
2	Introductory Macroeconomics Analysis And Policy/ECON104/3	Economics/HUH1/3
3	Social and Behavioral science/PL SC/3	Constitution of India and Professional Ethics/CIP101/3
4	Ordinary Differential Equations/MATH250/3	Engg. Maths III/MA301/4
5	General Physics: Fluids and Thermal Physics/PHYS213/2	Fluid Mechanics /ME405/2
6	General Physics: Wave Motion and Quantum Physics/PHYS214/2	Engg. Physics III/PH103/2

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