

Mechanical 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	Calculus with Analytical Geometry I/MATH140/4	Eng. Maths I/MA101/4
2	Introduction to Engineering Design/EDSGN100S/3	Computer Aided Engineering Design and Drawing/ME101 /4
3	Chemical Principles/CHEM110/3	Principles of Chemistry/CH101/4
4	Experimental Chemistry/CHEM111/1	Chemistry Lab/CH102/2
5	General Education Art/MUSIC/IL3	Indian Culture-Music/IC1/3
6	Health and Physical Activity/KINES/1.5	Cricket - Game Analysis/PED2/1.5

II semester (16 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Physics: Mechanics/PHYS211/4	Engg. Mechanics/CV101/4
2	Calculus with Analytical Geometry II/MATH141/4	Engg. Maths II/MA201/4
3	Introduction to Programming Techniques/CMPSC121/3	Computer Concepts and C Programming/CS111/4
4	Matrices/MATH220/2	Engg. Maths IV/MA401/3
5	Introductory Macroeconomics Analysis and Policy/ECON104/3	Economics/HUH2/3

III semester (16.5 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Statics/EMCH211/3	Statics/CV102/3
2	General Physics-Electricity and Magnetism/PHYS212/4	Engg. Physics PH102/4 and Engg. Physics Lab PH109/1
3	Calculus & Vector Analysis/MATH230/4	Engg. Maths V/MA402/4
4	Ordinary and Partial Differential Equations/MATH251/4	Engg. MathsIII/MA301/4
5	Health and Physical Activity/KINES/1.5	Physical Education Principles/PED1/1

IV semester (17 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Dynamics/EMCH212/3	Study of Dynamics/CV103/3
2	Strength of Materials/EMCH213/3	Strength of Materials/CV303/4
3	Engineering Thermodynamics I/ME300/3	Basic thermodynamics/ME303/4
4	Circuits & Devices/EE210/3	Transmission and distribution/EE105/4
5	General Physics: Wave Motion & Quantum Physics/PHYS214/2	Engg. Physics III/PH103/2
6	General Education Arts/DANCE/3	Indian Culture-Dance/IC2/3

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