

# Computer Science

## 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 (14.5 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	General Education Arts/Music/MUSIC/3	Indian Culture-Music/IC1/3
2	Calculus with Analytic Geometry I GQ/+MATH140/4	Engg. Maths I/MA101/4
3	General Education Humanities/IL/HIST/3	Indian History-Pre & Post Independence/HUH5/3
4	Social and Behavioral Science/PL SC/3	Constitution of India and Professional Ethics/CIP101/3
5	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	General Education Arts/DANCE/3	Indian Culture-Dance/IC2/3
2	Calculus with Analytic Geometry II/MATH141/4	Engg. Maths II/MA201/4
3	Health and Physical Activity/KINES/1.5	Cricket - Game Analysis/PED2/1.5
4	Introduction to Programming Techniques/CMPSC121/3	Computer Concepts and C Programming/CCP111/4
5	General Physics: Mechanics/PHYS211/4	Engg. Mechanics/CV101/4

### III semester (16 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	Statistical Analysis I/STAT 301/3	Statistics and Engineering Applications/CV401/3
2	Computer Organization and Architecture/CMPSC312/3 (Penn State Harrisburg requires NMAMIT CS 302 and CS 404 to fulfill requirement)	Logic Design/CS302/3
3	General Physics:Mechanics/PHYS211/4	Engineering Physics/PH101/4
4	Intermediate Programming/CMPSC122/3	Data Structures using C++/CS304/4
5	Discrete Mathematics for Computer Science/CMPSC360/3	Discrete Mathematical Structures and Number Theory /CS303/4

### IV semester (18 PSU credits)

Sl. No	Course name/code/credits in PSU	Course name/code/credits in NMAMIT, Nitte
1	General Physics-Electricity and Magnetism/PHYS212/4	Engg. Physics PH102/4 and Engg. Physics Lab PH109/1
2	Social and Behavioral Science/CAS/3	Art of Communication and Interpersonal Skills CIP102/3
3	Computer Organization and Architecture/CMPSC312/3	Computer Organization and Architecture/CS404/4
4	Matrices/MATH220/2	Engg.Maths-IV/MA401/3
5	Select 3 credits of 300- 400 supporting courses/CMPSC/3	UNIX and Shell Programming/CS405/3
6	Select 3 credits of 100- 300 supporting courses/MATH/3	Engg. Maths III/MA301/4

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