

Total Degree Credit hours: 120

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Year	Semester	Course Code	Course Title	Cr	Co-requisite	Semester	Course Code	Course Title	Cr	Co-requisite
Year 1 (Spring)	1	PHYS105	General Physics I	3	PHYS105L	2 (Fall)	PHYS105	General Physics I	3	PHYS105L
		PHYS105L	General Physics Lab I	1	PHYS105		PHYS105L	General Physics Lab I	1	PHYS105
		PHYS106	General Physics II	3	PHYS106L		PHYS106	General Physics II	3	PHYS106L
		CHM111	General Chemistry I	3	CHM111L		CHM111	General Chemistry I	3	CHM111L
		CHM111L	General Chemistry Lab I	1	CHM111		CHM111L	General Chemistry Lab I	1	CHM111
Year 2 (Spring)	3	PHYS120	Thermal Physics	3	PHYS120L	4 (Fall)	PHYS120	Thermal Physics	3	PHYS120L
		PHYS120L	Thermal Physics Lab	1	PHYS120		PHYS120L	Thermal Physics Lab	1	PHYS120
		PHYS230	Electronics Fundamentals	2	PHYS230L		PHYS230	Electronics Fundamentals	2	PHYS230L
		PHYS230L	Electronics Lab	1	PHYS230		PHYS230L	Electronics Lab	1	PHYS230
		MATH275	Ordinary Differential Equations	3	MATH275L		MATH275	Ordinary Differential Equations	3	MATH275L
Year 3 (Spring)	5	CHM224	Introduction to Inorganic Chemistry	3	CHM224L	6 (Fall)	CHM224	Introduction to Inorganic Chemistry	3	CHM224L
		CHM224L	Introduction to Inorganic Chemistry Lab	1	CHM224		CHM224L	Introduction to Inorganic Chemistry Lab	1	CHM224
		PHYS335	Quantum Mechanics	3	PHYS335L		PHYS335	Quantum Mechanics	3	PHYS335L
		PHYS362	Classical Mechanics	3	PHYS362L		PHYS362	Classical Mechanics	3	PHYS362L
		PHYS362L	Classical Mechanics Lab	1	PHYS362		PHYS362L	Classical Mechanics Lab	1	PHYS362
Year 4 (Spring)	7	PHYS420	Solid State Physics	3	PHYS420L	8 (Fall)	PHYS420	Solid State Physics	3	PHYS420L
		PHYS420L	Solid State Physics Lab	1	PHYS420		PHYS420L	Solid State Physics Lab	1	PHYS420
		PHYS440	Introduction to Nuclear Physics	3	PHYS440L		PHYS440	Introduction to Nuclear Physics	3	PHYS440L
		PHYS440L	Introduction to Nuclear Physics Lab	1	PHYS440		PHYS440L	Introduction to Nuclear Physics Lab	1	PHYS440
		PHYS460	Optics	3	PHYS460L		PHYS460	Optics	3	PHYS460L
Year 4 (Spring)	8	PHYS460L	Optics Lab	1	PHYS460	9 (Fall)	PHYS460L	Optics Lab	1	PHYS460
		PHYS480	Biophysics	3	PHYS480L		PHYS480	Biophysics	3	PHYS480L
		PHYS480L	Biophysics Lab	1	PHYS480		PHYS480L	Biophysics Lab	1	PHYS480
		PHYS500	Advanced Topics in Physics	3	PHYS500L		PHYS500	Advanced Topics in Physics	3	PHYS500L
		PHYS500L	Advanced Topics in Physics Lab	1	PHYS500		PHYS500L	Advanced Topics in Physics Lab	1	PHYS500

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Year	Semester	Group A			Semester	Group B		
		Course Title	Course Type	Credit		Course Title	Course Type	Credit
Year 1	1 (Fall)	PHYS105	General Physics I	3	2 (Spring)	PHYS105	General Physics I	3
		PHYS105	General Physics Lab I	1		PHYS105	General Physics Lab I	1
		MATH105	Calculus	3		PHYS105	General Physics	3
		CHM101	General Chemistry I	3		CHM101	General Chemistry I	3
		CEIT113	Introduction to Artificial Intelligence	3		CEIT113	Introduction to Artificial Intelligence	3
Year 2	3 (Fall)	CEAT101	Academic English for Humanities and STEM	3	4 (Spring)	CEAT101	Academic English for Humanities and STEM	3
		PHYS105	General Physics II	3		PHYS105	General Physics II	3
		PHYS105	General Physics Lab II	1		PHYS105	General Physics Lab II	1
		PHYS105	General Physics	3		PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
Year 3	5 (Fall)	PHYS105	General Physics	3	6 (Spring)	PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
Year 4	7 (Fall)	PHYS105	General Physics	3	8 (Spring)	PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3
		PHYS105	General Physics	3		PHYS105	General Physics	3