

**Department of Physics**

**Undergraduate Programs in Physics Division**

**Table of required courses and credits (applicable to students enrolling in 2015)**

Categories	Courses		Credits		Note
			FS	SS	
<b>University Required (28 credits)</b>	College Chinese		2		
	English		6		
	General Education Courses	Core courses required	10-15		Min. one course in any of 5 dimensions respectively out of the 7 dimensions
		Optional courses	8-10		
		Total	20		
	Physical education		0		Required from Year 1 to Year 3
	Service		0		Two semesters required
	Manual labor service				Pass in each semester
<b>Department Required (59 credits)</b>	General chemistry		3	3	
	General chemistry laboratory		1	1	
	General physics		4	4	
	General physics laboratory		1	1	
	Calculus		4	4	
	Experimental physics		2		
	Experimental Technique in Physics			2	
	Theoretical Mechanics		3	3	
	Thermal and Statistical Physics I		3		
	Quantum Physics		3	3	
	Electromagnetics		3	3	
	Applied Mathematics		3	3	
	Modern Physics Experiment		2		
<b>Required Selective Courses Offered by Physics Dept. (13 credits)</b>	Courses code "PHYS 3xxx" or "ASTR 3xxx" and above		13		Must choose min. one course in any of Introduction courses
<b>Other Selective Courses (28 credits)</b>			28		Must choose: 1. "Introduction to Life Science" 2. "Computation for Physics" 3. "Undergraduate Physics Colloquium I & II."

**Min. credits requirement at graduation : 128**

\*Double major students are required to take all the courses offered by Physics Dept.

**Department of Physics**

**Undergraduate Programs in Photoelectric Division**

**Table of required courses and credits (applicable to students enrolling in 2015)**

Categories	Courses		Credits		Note
			FS	SS	
<b>University Required (28 credits)</b>	College Chinese		2		
	English		6		
	General Education Courses	Core courses required	10-15		Min. one course in any of 5 dimensions respectively out of the 7 dimensions
		Optional courses	8-10		
		Total	20		Min. 4 credits in social sciences and humanities respectively
	Physical education		0		Required from Year 1 to Year 3
	Service		0		Two semesters required
	Manual labor service				Pass in each semester
<b>Department Required (70 credits)</b>	General chemistry		3	3	
	General chemistry laboratory		1	1	
	General physics		4	4	
	General physics laboratory		1	1	
	Calculus		4	4	
	Experimental physics		2		
	Experimental Technique in Physics			2	
	Theoretical Mechanics I		3		
	Applied Electronics		3	3	
	Applied Electronics Lab.		2		
	Optics		3	3	
	Introduction to Optical Physics			3	
	Optics Laboratory			2	
	Quantum Physics		3	3	
	Electromagnetics		3	3	
Applied Mathematics		3	3		
<b>Required Selective Courses Offered by Physics Dept. (5 credits)</b>	Courses code "PHYS 3xxx" or "ASTR 3xxx" and above		5		Must choose min. one course in any of Introduction courses
<b>Other Selective Courses (25 credits)</b>			25		Must choose: 1. "Introduction to Life Science" 2. "Computation for Physics" 3. "Undergraduate Physics Colloquium I & II."
<b>Min. credits requirement at graduation : 128</b>					
*Double major students are required to take all the courses offered by Physics Dept					