

**Hong Kong Baptist University**  
**Curriculum for Minor Programmes**

**Minor Programme : Green Energy Science (\*GREEN ENERGY SCI)**

Course Group	Course	Course Title	Unit	Core (C) / Elective (E)
<b>Green Energy Science Minor Core Courses (#R-GES-CORE-001)</b>				
	PHYS2005	Heat and Motion	3.00	C
	PHYS3006	Renewable Energy Sources	3.00	C
<b>Green Energy Science Minor Elective Courses (#R-GES-ELECT-001)</b>				
	PHYS1005	Introduction to Physics and Energy Science	3.00	E
	PHYS2006	Electricity and Magnetism	3.00	E
	PHYS2007	Mathematical Methods for Physical Sciences	4.00	E
	PHYS2008	Green Energy Laboratory I	1.00	E
	PHYS2009	Green Energy Laboratory II	1.00	E
	PHYS2015	Guided Study in Physics and Energy Science I	3.00	E
	PHYS2115	Electronics	3.00	E
	PHYS3005	Atomic and Nuclear Physics	4.00	E
	PHYS3007	Energy Storage, Distribution and Conservation	3.00	E
	PHYS3015	Structure and Properties of Matter	3.00	E
	PHYS3016	Energy Management	3.00	E
	PHYS3017	Green Energy Lab with LabVIEW	3.00	E
	PHYS3025	Physics and Technology of Energy Conversion	3.00	E
	PHYS3027	Intermediate Electromagnetism	3.00	E
	PHYS3035	Energy and Thermodynamics	3.00	E
	PHYS3036	Mechanics	3.00	E
	PHYS3037	Guided Study in Physics and Energy Science II	3.00	E
	PHYS4005	Non-Fossil Fuels	3.00	E
	PHYS4006	Advanced Green Energy Laboratory (Metrology)	3.00	E
	PHYS4007	Advances in Displays and Lighting	3.00	E
	PHYS4015	Introduction to Intellectual Property	2.00	E
	PHYS4016	Renewable Energy Materials and Devices	3.00	E
	PHYS4017	Semiconductor Physics and Devices	3.00	E
	PHYS4025	Solid State Physics I	3.00	E
	PHYS4026	Surface Analysis and Characterization	3.00	E
	PHYS4027	Computational Physics	3.00	E
	PHYS4035	Topics in Energy Science I	3.00	E
	PHYS4036	Topics in Energy Science II	3.00	E
	PHYS4037	Topics in Energy Science III	3.00	E
	PHYS4045	Electromagnetic Waves and Optics	3.00	E
	PHYS4046	Quantum Mechanics	4.00	E
	SCIP4005	Interdisciplinary Topics in Science - Organic Electronics	3.00	E

- Remarks:
1. Students are required to take the core courses of PHYS2005 and PHYS3006; and 9 units from #R-GES-ELECT-001.
  2. Students of Faculty of Science are not allowed to use PHYS1005 to fulfill the Minor requirement.

\* 4-Year Curriculum