

物理研究所碩士班

104 學年度

最低修業年限	一年
應修學分數	24 學分(須在本所開設課程中修滿 19 學分)
應修(應選)課程及符合畢業資格之修課相關規定	必修：書報討論(四學期) 量子力學(一)(二) 必選：電動力學(一)及統計力學(一)中必選一科。 電動力學(一)(二)、古典力學、統計力學(一)、固態物理(一)(二)、高等固態物理(一)、量子場論(一)或原子分子物理(一)中必選二科。
備註	除非本所當學年度之必修或必選課程未開，否則不得至外校修課。

暫不設置輔所。

物理研究所博士班

104 學年度

最低修業年限	二年
應修學分數	18 學分
直升博士生應修學分數	36 學分(含直升前碩士班課程學分)
應修(應選)課程及符合畢業資格之修課相關規定	必修課程： 1. 量子力學(一、二) 6 學分 2. 電動力學(一、二) 6 學分 3. 統計力學(一) 3 學分 4. 書報討論(需修滿四學期) 5. <u>在以下四項類別中，擇不同類別裏的兩個科目修習：</u> <u>(1) 固態物理(一)(二) 或 高等固態物理(一)</u> <u>(2) 量子場論(一) 或 粒子物理(一)</u> <u>(3) 原子分子物理(一)</u> <u>(4) 本所同意之物理子領域課程</u>
備註	進入本所博士班前所修之必修課程，申請後經本所核可者得免修之。(如欲申請抵免則按校方規定辦理)

Institute of Physics

Course Requirements for Master's Program

Academic Year 2015

Minimum Study Period	One year
Total Required Credits	24 credits (courses offered by the Institute of Physics must account for at least 19 credits)
Required (required elective) courses and graduation requirements	<p>Required courses:</p> <p style="padding-left: 40px;">Seminar (four semesters).</p> <p style="padding-left: 40px;">Quantum Mechanics I & II.</p> <p>Required elective courses:</p> <p style="padding-left: 40px;">Choose one from Electrodynamics I and Statistical Mechanics I</p> <p style="padding-left: 40px;">Choose two from Electrodynamics I & II, Classical Mechanics, Statistical Mechanics I, Solid State Physics I & II, Advanced Solid State Physics I, , Quantum Field Theory I, or Atomic and Molecular Physics I.</p>
Note	Cross-university courses and credits are not acknowledged unless the required subjects or required elective subjects are not offered by the Institute in their original academic year.

Institute of Physics

Course Requirements for PhD Program

Academic Year 2015

Minimum Study Period	Two years
Total Required Credits	18 credits
Total Required Credits for Students with Direct Admission from Master's Program	36 credits (including credits earned during the master's program prior to direct admission)
Required (required elective) courses and graduation requirements	<p>Required courses:</p> <ol style="list-style-type: none"> 1. Quantum Mechanics I & II, 6 credits 2. Electrodynamics I & II, 6 credits 3. Statistical Mechanics I, 3 credits 4. Seminar (must take four semesters). 5. <u>Choose two subjects from four different categories as follows:</u> <ol style="list-style-type: none"> <u>(1)Solid State Physics (I) (II) or Advanced Solid State Physics (I)</u> <u>(2)Quantum Field Theory (I) or Particle Physics (I)</u> <u>(3)Atomic and Molecular Physics (I)</u> <u>(4)Institute courses in a subfield of Physics that are approved by the Institute of Physics.</u>
Note	Students can apply for course waivers for courses taken before admission to the PhD program. (Course waiver application must conform to related University bylaw.)