

# 照明與能源光電研究所碩士班

107 學年度

最低修業年限	<p>本所碩士班招收一般生與在職生，修業年限之相關規定如下：</p> <ol style="list-style-type: none"> <li>1.一般生修業期限以一年至四年為限。在職生其修業年限至少二年，並以五年為限。</li> <li>2.上述修業年限不包括休學期間。學生因故可於學期考試開始前申請休學一學期、一學年或二學年。休學累計以二學年為限，期滿因重病醫療需復建時程，以致無法及時復學者，經教務會議審查通過得再延長一年。</li> <li>3. 修業未滿二年，就學期間以國立交通大學光電學院照明與能源光電研究所 Institute of Lighting and Energy Photonics, College of Photonics, National Chiao Tung University 名義與指導教授共同在SCI所認定的期刊發表論文一篇以上，且指導教授除外為第一作者，得申請提前進行學位考試。前述之申請案於學位考試前須由指導教授推薦，提報院務會議核備。於完成修課規定後始得申請提前畢業。</li> </ol>
應修學分	<p>畢業前須修滿二十四學分（個別研討及書報討論學分另計）；其中至少包括在本學院修讀的十八學分，其他學分經指導教授及所長同意得選修其他理、工、電機、資訊、生物科技等領域相關課程。</p>
應修(應選)課程及符合畢業資格之修課相關規定	<p>1.本所碩士生核心課程之修讀規定：</p> <p>(1)必修核心課程：「光電工程」、「光電子學」，成績需達及格標準。研究生得憑大學成績單、課程相關證明提出「光電工程」之免修申請，由本院教學及課程委員會審定之。免修課程並不能抵免學分，免修核定之後，學生仍需選修其他課程，以補足畢業所需之 24 學分。(2)必選核心課程：光電實驗。</p> <p>2.專題演講碩一必修兩學期，並需達及格標準，成績不及格者應重修。</p> <p>3. 書報討論碩一必選兩學期(若需於學期中辦理離校者，得以退選必選課程)。</p> <p>4. 個別研討為碩二以上在學期間各學期之必選課程(若需於學期中辦理離校者，得以退選必選課程)。</p> <p>5. 專題演講、書報討論及個別研討的相關課程之學分數，均不計入最低畢業學分數。</p> <p>6. 擔任教學獎助生應修習教學實務課程，畢業學分至多採計 1 學分。</p>
備註	<ol style="list-style-type: none"> <li>1.除有正當理由，不得至外校選修同學期本學院已有開設之課程，否則其學分不計入畢業學分。</li> <li>2.選修大學部相關學系科目者，其學分不計入畢業學分。</li> <li>3.畢業學分之科目，由本所教學及課程委員會審定。</li> </ol>

## Institute of Lighting and Energy Photonics (Master's Degree Program)

Academic Year 2018

Minimum Term of Study	<p>The Master Program admits general and on-job students; the relevant provisions for the period of study are as follows:</p> <ol style="list-style-type: none"> <li>1. The period of study for general students is limited to one to four years, for on-job students is two years to five years.</li> <li>2. The said period of study does not include the leave. Students for some reason can apply for leave of absence for one semester, one academic year or two academic years before the start of the semester exams. Leave of absence from study can be accumulated up to two academic years. When the time is due and the student cannot return to school because he/she needs time to conduct medical rehabilitation, he/she can apply for extension and subject to be approved by the consideration of Academic Affairs Committee.</li> <li>3. After fulfilling the course-taking requirements, a student may apply to defend his/her thesis during the period of study of less than two years, as long as the student has coauthored at least one SCI-indexed journal paper where he/she is shown to be affiliated with Institute of Lighting and Energy Photonics, College of Photonics, National Chiao Tung University and the first author except his/her thesis advisor. Such application must be recommended by the advisor and submitted for approval in a College faculty meeting prior to the thesis defense.</li> </ol>
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Minimum Credits	The student must complete 24 credits before graduation, including at least 18 credits taken from the College, and with the approval of the advisor and the Institute Director, other credits can be taken from the related courses of Science and Engineering, Electrical Engineering, Information, biotechnology and other fields.
Curriculum and Regulations	<ol style="list-style-type: none"> <li>1. Before graduation, the graduate students of the Institute are required to take and pass the required core courses Optical Engineering and Optoelectronics. One can apply for exemption from taking either or both courses by submitting his undergraduate transcript(s) and course certificate(s) upon approval of the Teaching and Curriculum Committee of the College. The successful student will still be required to take enough courses to fulfill the 24-credit-hour requirement for graduation. In addition, the graduate students must take the elective core course Photonics Laboratory.</li> <li>2. Colloquium is the each-semester required course for first-year graduate students. The scores must be reached the passing grade, if failed to reach the passing grade, then the course must be retaken.</li> <li>3. Seminar is the each-semester required elective course for first-year graduate students (If the student needs to apply for leave of absence within the semester, then he/she shall withdraw the required courses).</li> <li>4. Independent Study is the each-semester required elective course for second-year or higher graduate students. (If the student needs to apply for leave of absence within the semester, then he/she shall withdraw the required courses).</li> <li>5. The credits of Colloquium, Seminar and Independent Study related courses are not counted into the minimum numbers of graduation credits.</li> <li>6. Teaching Technique practice are required elective course for teaching assistant, the credit (1 credit at most) of this course is counted into graduation credits.</li> </ol>
Notes	<ol style="list-style-type: none"> <li>1. Except for legitimate reasons, the students are not allowed to take courses that have been offered by the College from other university at the same semester, otherwise the credits are not counted into graduation credits.</li> <li>2. The credits of courses taken from relevant department of the University are not counted into graduation credits.</li> <li>3. The subjects of graduation credits are approved by the College Teaching and Curriculum Committee.</li> </ol>

## 照明與能源光電博士學位學程

107 學年度

最低修業年限	<p>本學程招收一般生及在職生，修業年限之相關規定如下：</p> <ol style="list-style-type: none"> <li>1.一般生修業年限以二至七年為限，在職生修業年限以二至八年為限，惟修業年限不包括休學期間。</li> <li>2.直升生修業年限自修讀博士學位起算。</li> <li>3.學生因故可於學期考試開始前申請休學一學期、一學年或二學年。休學累計以二學年為限，期滿因重病醫療需復建時程，以致無法復學者，得申請延長，惟須經教務會議審議通過。</li> </ol>
應修學分數	<p>畢業學分數規定如下：</p> <ol style="list-style-type: none"> <li>1.一般生及在職生畢業前應修滿理工類課程十二學分(含本學程專業課程至少九學分)。</li> <li>2.個別研討、書報討論及專題演講均不計入畢業學分數。</li> </ol>
直升博士生應修學分數	直升生畢業前應修滿三十學分(含碩士班已修的學分且本學程專業課程至少二十四學分)。
應修(應選)課程及符合畢業資格之修課相關規定	<ol style="list-style-type: none"> <li>1.專題演講為博一每學期必修之課程。</li> <li>2.書報討論為博一每學期必選之課程。</li> <li>3.個別研討為博二以上在學期間各學期之必選課程。</li> <li>4.擔任教學獎助生應修習教學實務課程，畢業學分至多採計1學分。</li> </ol>
備註	<ol style="list-style-type: none"> <li>1. 本學院碩、博士生於歷年成績表上，除規定之必修科目及不及格科目重修外，重覆選修之科目不計入畢業學分數，原則上在入學後三年內修完最低學分數。</li> <li>2. 適用畢業學分之科目，由本院教學及課程委員會認定之，所需加修大學部相關學系科目者，其學分不計入畢業學分。</li> </ol>

# Graduate Program for Lighting and Energy Photonics

Academic Year 2018

Minimum Term of Study	<p>The Program admits general and on-job students; the relevant provisions for the period of study are as follows:</p> <ol style="list-style-type: none"> <li>1. The period of study for general students is limited to two to seven years, for on-job students is two to eight years, while the period of study does not include the leave of absence from study.</li> <li>2. The period of study for direct-entry students is counted from pursuing a doctoral degree.</li> <li>3. Before the start of semester examinations, students for some reason may apply for a leave of absence from study for one semester, one academic year or two academic years. Leave of absence from study can be accumulated up to two academic years. When the time is due and the student cannot return to school because he/she needs time to conduct medical rehabilitation, he/she can apply for extension and subject to be approved by the consideration of Academic Affairs Committee.</li> </ol>
Minimum Credits	<p>The Requirements of Graduation Credits are as follows:</p> <ol style="list-style-type: none"> <li>1. The general and on-job students must complete 12 credits of the Science and Engineering courses before graduation (including at least 9 credits of the Program professional courses).</li> <li>2. Independent Study, Seminar and Colloquium are not counted into graduation credits.</li> </ol>
Minimum Credits for Direct-entry students	<p>Direct-entry students should complete 30 credits before graduation (including credits taken in Master Program, and at least 24 credits of the Program professional courses).</p>
Curriculum and Regulations	<ol style="list-style-type: none"> <li>1. Colloquium is the each-semester required course for first-year doctoral students.</li> <li>2. Seminar is the each-semester required elective course for first-year doctoral students.</li> <li>3. Independent Study is the each-semester required elective course for second-year or higher doctoral students.</li> <li>4. Teaching Technique practice are required elective course for teaching assistant, the credit (1 credit at most) of this course is counted into graduation credits.</li> </ol>
Notes	<ol style="list-style-type: none"> <li>1. The graduate and doctoral students of the College, in principle, must complete the minimum requirement credits within three years after admission, except for the required subjects and the retaken failed subjects, the repeated elective subjects are not counted into graduation credits.</li> <li>2. Applicable subjects of graduation credits are recognized by the Teaching and Curriculum Committees of the College, the credits of extra required undergraduate subjects of the related department are not counted into graduation credits.</li> </ol>