

Regulations of the Scholarship of Educational Foundation of China Steel Corporation (CSC)  
for the Department of Materials and Optoelectronic Science(MOES), National Sun Yat-sen  
University(NSYSU)

Article 1 Purpose

The Educational Foundation of China Steel Corporation would like to cultivate talents in the Steel field. The purpose is to encourage students of the Department related to materials at the University to do relevant research in Metallurgy and Steel.

Article 2 The quotas of the scholarships

Two quotas for MOES, NSYSU.

The maximum awardee of the doctor program students is one.

Article 3 The amount of the scholarships

1. Doctor program students: NTD 80,000
2. Master program students NTD 60,000

Article 4 Qualification

1. Graduate students of MOES, NSYSU
2. Students must select two courses related to Metallurgy and Steel or write a thesis or dissertation related to steel materials. (Courses related to Metallurgy and Steel are in the attachment.)

Article 5 Required documents (Both soft copy and paper copy are required.)

○Application Form

○Transcript (including the undergraduate and graduate period) and the proof of Article4 Paragraph2.

○Autobiography and career planning (within 2000 words).

○Letter of recommendation by the advisor

Article 6 Deadline of the application and evaluation

Students who would like to apply for this scholarship, please submit the required documents (paper copy) to the Office of the Department and send the soft copy to [yu146850@mail.nsysu.edu.tw](mailto:yu146850@mail.nsysu.edu.tw) before 3:00 p.m. 17<sup>th</sup> March.

Article 7 Award and employment

1. After the Educational Foundation of CSC announces the list of scholarship awardees, awardees will be invited to the foundation to receive scholarships and certificates.
2. CSC may provide priority employment opportunities to awardees based on their manpower needs.

If there is any discrepancy between the Chinese and English versions, the Chinese version shall prevail.

# 國立中山大學材料與光電科學學系

## 『中鋼集團教育基金會獎學金』申請辦法

### 壹、設立宗旨：

財團法人中鋼集團教育基金會基於促進鋼鐵相關領域之教育及人才培育之宗旨設立本獎學金，其目的為獎勵大學之材料相關系所學生努力向學，並致力鋼鐵、冶金相關研究，為社會培養優秀的鋼鐵產業人才。

### 貳、獎勵對象及名額：

國立中山大學材料與光電科學學系研究生，獎學金貳名，博士班學生至多錄取壹名。

### 參、金額：

1. 博士班學生每名新台幣捌萬元整。
2. 碩士班學生每名新台幣陸萬元整。

### 肆、申請資格：

- 一、國立中山大學材料與光電科學學系研究生。
- 二、申請獎學金須選修鋼鐵冶金相關課程至少二門，或撰寫鋼鐵材料相關之研究論文。（鋼鐵冶金相關課程如附件）

### 伍、檢附資料：

- 一、大學及研究所歷年修業成績單及第肆條第二項修課及相關證明文件。
- 二、自傳及生涯規劃(2000 字以內)。
- 三、教授推薦信。

### 陸、申請日期及評選：

於 每年 月 日前，將資料送件至材料與光電科學學系辦公室。材料與光電科學學系將於 月底前完成初審程序，推薦研究生 5 名候選名單，至中鋼集團教育基金會評選後決定獎學金之人選。

### 柒、頒獎及就業：

- 一、中鋼集團教育基金會公告得獎名單後，將邀獲獎學生至基金會接受頒發獎學金及證書。
- 二、獲獎學金之學生，中鋼集團得視人力需要提供優先就業之機會。

申請中鋼集團教育基金會獎學金，可列入之鋼鐵冶金相關選修課程如下：

序號	開課年級	原課程名稱
1	大二	材料機械性質 MECHANICAL BEHAVIOR OF MATERIALS
2	大二	材料顯微分析技術 MICROANALYSIS TECHNIQUES OF MATERIAL CHARACTERIZATION
3	大二	材料製程與設計 MATERIALS PROCESSING AND DESIGN
4	碩博	冶金熱力學 METALLURGICAL THERMODYNAMICS
5	碩博	固態相變化 PHASE TRANSFORMATION IN SOLIDS
6	碩博	物理冶金 PHYSICAL METALLURGY
7	碩博	材料變形與破壞 DEFORMATION AND FRACTURE OF MATERIALS
8	碩博	差排理論 DISLOCATION THEORY
9	碩博	多元相圖 MULTICOMPONENT PHASE DIAGRAM
10	碩博	鋼鐵製程(註) STEEL PROCESSING
11	碩博	反應動力學 REACTION KINETICS
12	碩博	X 光繞射學 X-RAY DIFFRACTION
13	碩博	電子顯微鏡 ELECTRON MICROSCOPY
14	碩博	高等電子顯微鏡 Advanced Electron Microscopy
15	碩博	材料集合組織與非等向性 TEXTURE AND ANISOTROPY OF MATERIALS
16	碩博	材料之模擬與計算 MATERIALS SIMULATION AND COMPUTATION
17	碩博	進階材料模擬設計 ADVANCED AB INITIO MATERIALS DESIGN

(註)本課程係由中鋼公司贊助開設。