聲音與音樂創意科技碩士學位學程

105學年度(105.12修訂)

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| 最低修業年限 | 二年 |
| 應修學分 | 24學分：核心課程3門 甲組必選乙組1門課程；乙組必選甲組1門課程 |
| 應修(應選)課程及符合畢業資格之修課相關規定 | 甲組:音訊工程組課程(合開)\*字號為核心課程* \*論文研討(0學分)至少4學期且需及格
* \*訊號與系統(3學分)
* \*數位信號處理專題:聽語資訊處理(3學分)
* \*數位信號處理(3學分)
* \*感測器與量測系統 (3學分)
* 嵌入式作業系統(3學分)
* 數位控制系統(3學分)
* 語音處理(3學分)
* 適應性訊號處理(3學分)
* 自走式機器人(3學分)

音樂科技組開設課程 (不限定學分) | 乙組:音樂科技組課程(合開)\*字號為核心課程，論文研討為必修課程* 論文研討 (0學分) 至少4學期且需及格
* \*電腦音樂媒介: Max自動創作(3學分)
* \*電腦音樂技巧:音訊處理與創作(2學分)
* \*互動與數位藝術程式(3學分)
* \*新音樂劇場互動設計(二)(2學分)
* \*電腦音樂技巧:科技與互動(2學分)
* 數位管絃樂團演奏實務 (3學分)
* 電腦音樂媒介: MSP 聲音合成 (3學分)
* 音樂科技導論(3學分)
* 數位音樂製作導論(2學分)
* 混合實境(3學分)
* 錄音工程(3學分)

音訊工程組開設課程 (不限定學分)音樂所創作組之外開設課程(至多6學分) |

Master Program of Sound and Music Innovative Technologies

Academic Year 2016

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| Mini. year of Study | 2 years |
| Required Credits | 24 credits: 3 core courses One Group B course required for Group A students, one Group A course required for Group B students |
| Regulations for required courses and courses required for graduation | Group A: Audio Engineering Group courses (combined courses) \* indicates core courses \*Seminar (0 credit). At least 4 semesters with passing grades required.\*Signals and Systems (3 credits)\*Digital Signal Processing(3 credits)\* Principles of sensors and measurement systems (3 credits)\* Embedded Operating Systems (3 credits)Digital Control System (3 credits)Speeching Processing (3 credits)Adaptive Signal Processing (3 credits)Autonomous Mobile Robots (3 credits)Music Technology Group courses (no credit limits) | Group B: Music Technology Group courses (combined courses) \* indicates core courses➢ \*Seminar (0 credit). At least 4 semesters with passing grades required.➢ \*Computer Music Media: MAX (3 credits)➢ \*Computer Music Technique: DSP and Composition (2 credits)➢ \*Interactive and Digital Art Programming (3 credits)➢ \*[Praxis in Interactive Composition of New Music Theatre II](https://m0.nctu.edu.tw/course/view.php?id=6297) (2 credits)➢ \*[Computer Music Techniques:Technology and Interaction](https://m0.nctu.edu.tw/course/view.php?id=6300) (2 credits)➢ Introduction to Music Technology (3 credits)➢ Performing Practice of Digital Orchestra(3 credit)➢ Computer Media:MSP (3 credits)➢ Int. to Edition of Digital Music(2 credits)➢ Mixed Reality (3 credits)➢ Sound Engineering (3 credits)Audio Engineering Group courses (no credit limits) Except for Music Composition Group courses (maximum 6 credits) |
| Note | The Chinese version of the document shall prevail in case of any discrepancy or inconsistency between Chinese version and its English translation. |