

105 M.S. Program for the Faculty of Medicinal and Applied Chemistry

| Type of Course | Code | Courses | Credits | 1 st Year 1 st Semester | 1 st Year 2 nd Semester | 2 nd Year 1 st Semester | 2 nd Year 2 nd Semester | Faculty | note |
|------------------|------|-----------------------------------------------|---------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------|
| | | Behavior | | | | | | | |
| Required courses | | Seminar (Medicinal) | 4 | 1 | 1 | 1 | 1 | Chai-Lin Kao | English |
| | | Seminar (Applied) | 4 | 1 | 1 | 1 | 1 | Chih-Kuang Wang | English |
| | | Learning from Examples | 0 | 0 | | | | | |
| | | The Principle Core Techniques in Life Science | 2 | 2 | | | | Bao-Sen Shieh | English |
| | | Special Lecture | 0 | 0 | 0 | 0 | 0 | Genin Gary Huang | |
| | | Professional Practice in Chemistry | 0 | 0 | 0 | 0 | 0 | Sodio C. N. Hsu | English |
| | | Thesis | 6 | | | | | | |
| Elective courses | * | Special Topics in Organic Chemistry | 4 | 2 | 2 | | | 1 st Year 1 st Semester Cherng-Chyi Tzeng 1 st Year 2 nd Semester Chai-Lin Kao | English |
| | * | Special Topics in Inorganic Chemistry | 4 | 2 | 2 | | | Sodio C. N. Hsu | English |
| | * | Special Topics in Physical Chemistry | 4 | 2 | 2 | | | Li-Fang Wang | English |
| | * | Special Topics in Instrumental Analysis | 4 | 2 | 2 | | | 1 st Year 1 st Semester Tsai-Hui Duh 1 st Year 2 nd Semester Po-Yu Chen | English |
| | | Special topics in materials in chemistry | 4 | 2 | 2 | | | Chih-Kuang Wang | |
| | | Special Topics in Medicinal Chemistry | 4 | 2 | 2 | | | Chai-Lin Kao | English |
| | | Special Topics in Biochemistry | 4 | 2 | 2 | | | Tzu-Pin Wang | |
| | | Special Topics in Polymer Chemistry | 2 | 2 | | | | Li-Fang Wang | |
| | | Special Topics in Biomaterials | 2 | | 2 | | | Li-Fang Wang | |
| | | Special Topics in Spectroscopy (I) | 2 | 2 | | | | Yeh-Long Chen | |
| | | Special Topics in Spectroscopy (II) | 2 | | 2 | | | Yeh-Long Chen | |
| | | Special Topics in Heterocyclochemistry | 2 | 2 | | | | Long-Chin Hwang | |

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|--|------------------------------------------------------|---|---|---|--|--|---------------------------------|---------|
| | (I) | | | | | | | |
| | Special Topics in Heterocyclochemistry (II) | 2 | | 2 | | | Long-Chin Hwang | |
| | Special Topics in Bioorganic Chemistry (I) | 2 | 2 | | | | Jeh-Jeng Wang | |
| | Special Topics in Bioorganic Chemistry (II) | 2 | | 2 | | | Jeh-Jeng Wang | |
| | Special Topics in Drug Design | 2 | | 2 | | | Cherng-Chyi Tzeng | |
| | Special Topics in Protein Chemistry | 2 | 2 | | | | Tzu-Pin Wang | |
| | Special Topics in Drug Synthesis (I) | 2 | 2 | | | | Yeh-Long Chen | |
| | Special Topics in Drug Synthesis (II) | 2 | | 2 | | | Yeh-Long Chen | |
| | Special Topics in Organometallic Chemistry | 2 | 2 | | | | Hsuan-Ying Chen | |
| | Special Topic in Supramolecular Chemistry | 2 | | 2 | | | Sodio C. N. Hsu | |
| | Special Topics in Bioinorganic Chemistry (I) | 2 | 2 | | | | Sodio C. N. Hsu Po-Jui Huang | English |
| | Special Topics in Bioinorganic Chemistry (II) | 2 | | 2 | | | Sodio C. N. Hsu | |
| | Special Topics in Electrochemistry | 2 | 2 | | | | Po-Jui Huang Po-Yu Chen | |
| | Special Topics in Mass Spectrometry | 2 | 2 | | | | Po-Jui Huang | |
| | Special Topics in Environmental Analytical Chemistry | 2 | | 2 | | | Tsai-Hui Duh | |
| | Special Topics in Biocatalytical Chemistry(I) | 2 | 2 | | | | Tzu-Pin Wang | |
| | Special Topics in Biocatalytical Chemistry(II) | 2 | | 2 | | | Tzu-Pin Wang | |
| | Special Topics in Pharmaceutical Analysis | 2 | | 2 | | | Tsai-Hui Duh | |
| | Special Topics in Green Chemistry | 2 | | 2 | | | Po-Yu Chen | |
| | Special Topics in frontier areas of chemistry(I) | 2 | 2 | | | | Wei-Yu Lin | English |
| | Special Topics in frontier areas of chemistry(II) | 2 | | 2 | | | Wei-Yu Lin | English |
| | Special Topics in Organometallic Catalysts | 2 | | 2 | | | Hsuan-Ying Chen | |

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|--|-------------------------------------------------|---|---|--|--|---|----------------|---------|
| | Introduction to Computational Chemistry | 2 | 2 | | | | Hsing-Yin Chen | |
| | Special Topics in Academic Writing in Chemistry | 2 | | | | 2 | Hui-Fen Chen | English |

【Note】

1. Minimum credit hours for a master degree are 30 including 12 credits from required courses and 18 credits from elective courses. The 12 credits of required courses include 6 credits of “Dissertation of Master”. The 18 credits of elective courses have to include at least 2 “*” courses.