2023 Master Graduate Program for Electrical Engineering Department, CHU

Semester (credit /hour)	Group	First semester	Second semester
Required courses (0/2)	ALL	Seminar (fours semesters required) Thesis Seminar (at least two semesters)	Seminar(fours semesters required) Thesis Seminar((Second year required)
Elective courses (3/3)	Communication optoelectronic group	Electromagnetic Wave Electro-Optical Engineering（Ⅰ）	Electro-Optical Engineering（Ⅱ） Optical Communication
	System group	Wind Generator System Image Processing and Recognition Linear Systems Machine Learning Artificial Neural Networks	Control of Electric Energy Conversion Embedded Vision Fuzzy Theory Artificial Intelligence
	Electronic circuit group	Semiconductor Devices Wavelet Transform and Its Applications Digital Signal Processing	Semiconductor Technology Digital Filtering Digital Image Processing
	Microelectronics cum Chip Design group	System on Chip Design Non-volatile Memory Technology RISC-V CPU Design Internet of Things Practice Technology and Design of Dynamic Random Access Memory Integrated circuit and physical design Sensing Technology for Internet of Things	VLSI Design Algorithms of VLSI Circuit Design Emerging Memory Technology and Application AIoT Technology Applications Advanced Packaging Technology

* Graduation Qualifications:

1.**24 credits.** (Include 8 elective courses, 4 semesters of Seminar, and at least two semesters of Thesis Seminar).

2.The **dissertation oral examination** must be passed.

3.**Academic Ethics** Online Course must be Pass

4.Please refer to the **Study Regulations for the Master's Program of the Department**.

*The number of courses offered each academic year will be adjusted according to the actual approved standards.