

## Master Program of the Dept. of Electrical Engineering (Program C), YZU (For Foreign students)

100.04.20 九十九學年度第五次教務會議通過

100.06.29 九十九學年度第五次教務會議修訂通過

108.03.21 107-3 組課程委員會修訂通過

Minimum graduate credit will be 30 credits including 6 credits for thesis. Students may select 24-credit hours from the list below; it is also allowed to select at most 3 courses, outside the Department, but the approval from the thesis adviser and the chairperson of the Department is required.

### Course Listings for Foreign students studying Master Program Department of Electrical Engineering (Program C) YZU

Course Code	Course Title	Credits
EEC601	Research Communication(I)	1
EEC602	Research Communication(II)	1
EEC535	Electro-Optical Lab	3
EEC503	Semiconductor Physics	3
EEC504	Design of Fiber Systems	3
EEC505	GEEC metrical Optics	3
EEC508	Photonic Crystals	3
EEC509	Solid-State Physics	3
EEC511	Optical Design	3
EEC512	Optical Disc Technology	3
EEC513	Electromagnetic Optics	3
EEC514	Fourier Optics	3
EEC518	Opto-Electronic Technology	3
EEC519	Optics of Liquid Crystal Displays	3
EEC521	Numerical Analysis	3
EEC523	Image Inspection and Detection Technique	3
EEC524	Optical Communication	3
EEC526	Thin Film optics	3
EEC527	Diffraction optics	3
EEC528	Coding Alchemy: Structure and Algorithms For Simulation	3
EEC529	Micro and Nano Electro-Mechanical System, MEMS & NEMS	3
EEC530	Opto-Electronics	3
EEC531	Semiconductor Devices	3
EEC532	Principle of Liquid Crystal Displays	3
EEC534	Principles of Lasers and Applications	3

EEC537	Methodologies in Organic Electronics	2
EEC538	Micro-electro-mechanical system	3
EEC539	Holography and holographic Interferometry	3
EEC540	Principles and Applications of Light Emitting Diodes	3
EEC541	Photovoltaic Devices	3
EEC542	Introduction to Semiconductor Manufacturing Technology	3
EEC543	Organic light-emitting devices and physics	3
EEC544	Optical Simulation	3
EEC545	Computational Optics	3
EEC546	An Introduction to Silicon Photonics	3
EEC547	Optomechanical Design	3
EEC548	An Introduction to Optical Lithography	3
EEC549	Introduction of the advanced optoelectronic devices	3
EEC550	Nonlinear Dynamics of Semiconductor Lasers	3
EEC551	Thin-film Technology	3