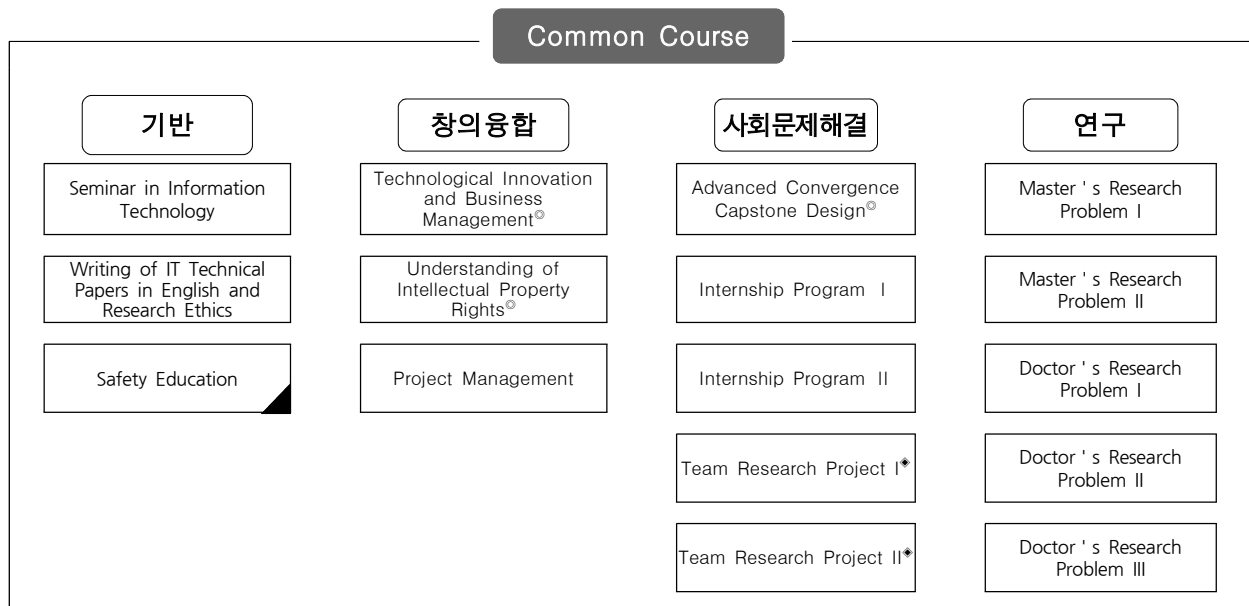


Course Roadmap



Core Course



Advanced Course

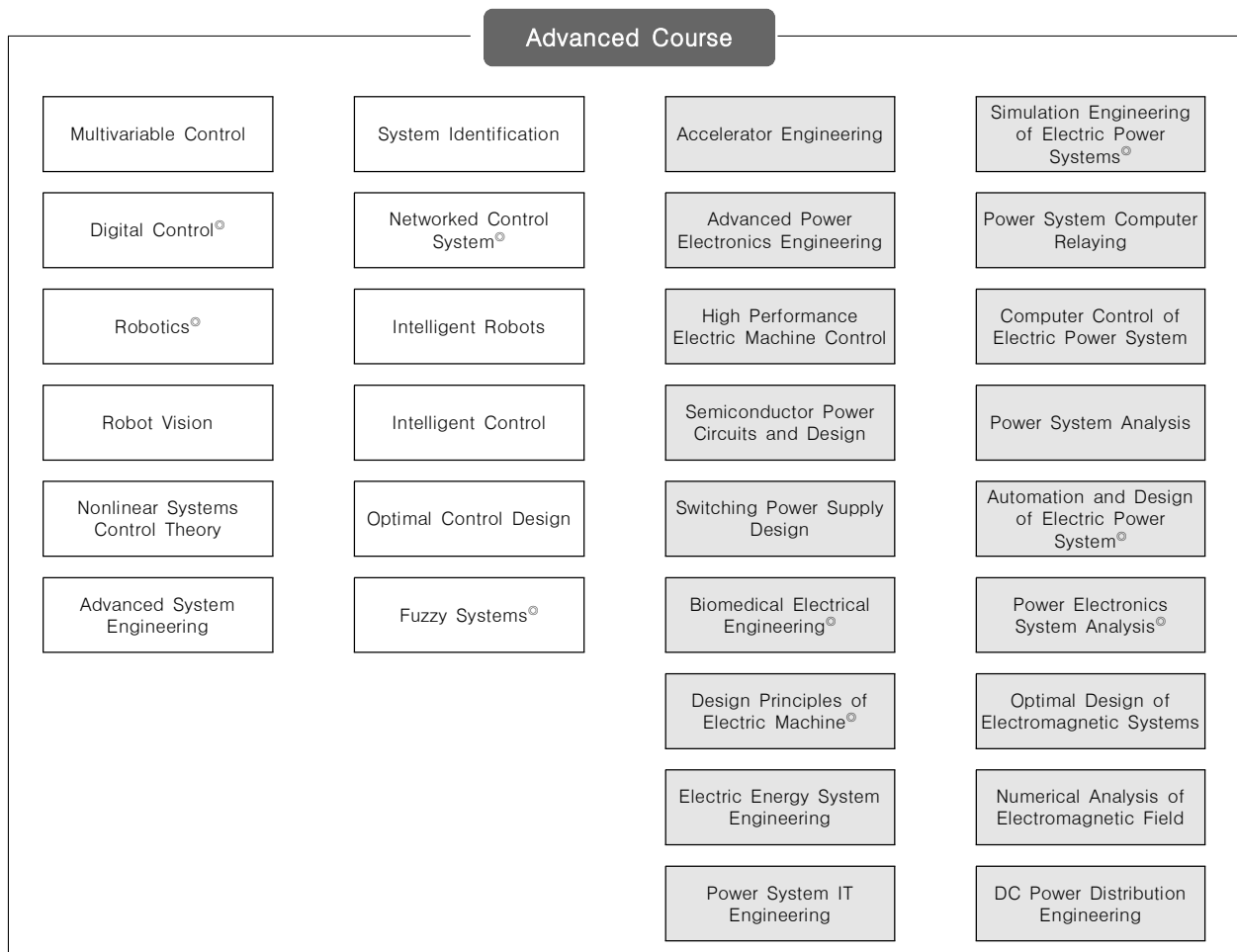
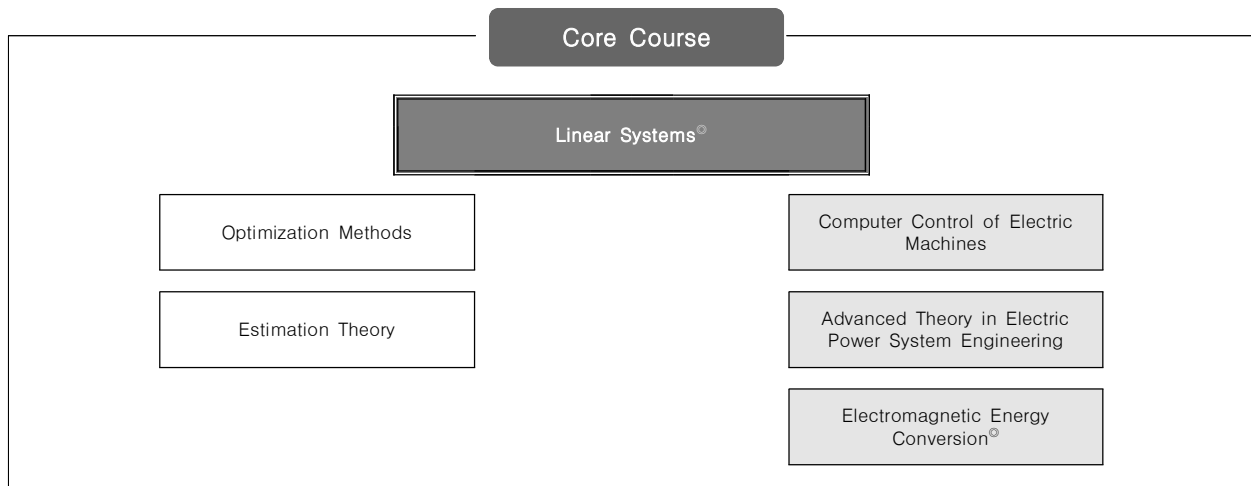
▲ Extra-Curricular

◎ Bachelor/Master Course

◆ Other Departments Course

Course Roadmap

Smart Energy



Corner Stone Course

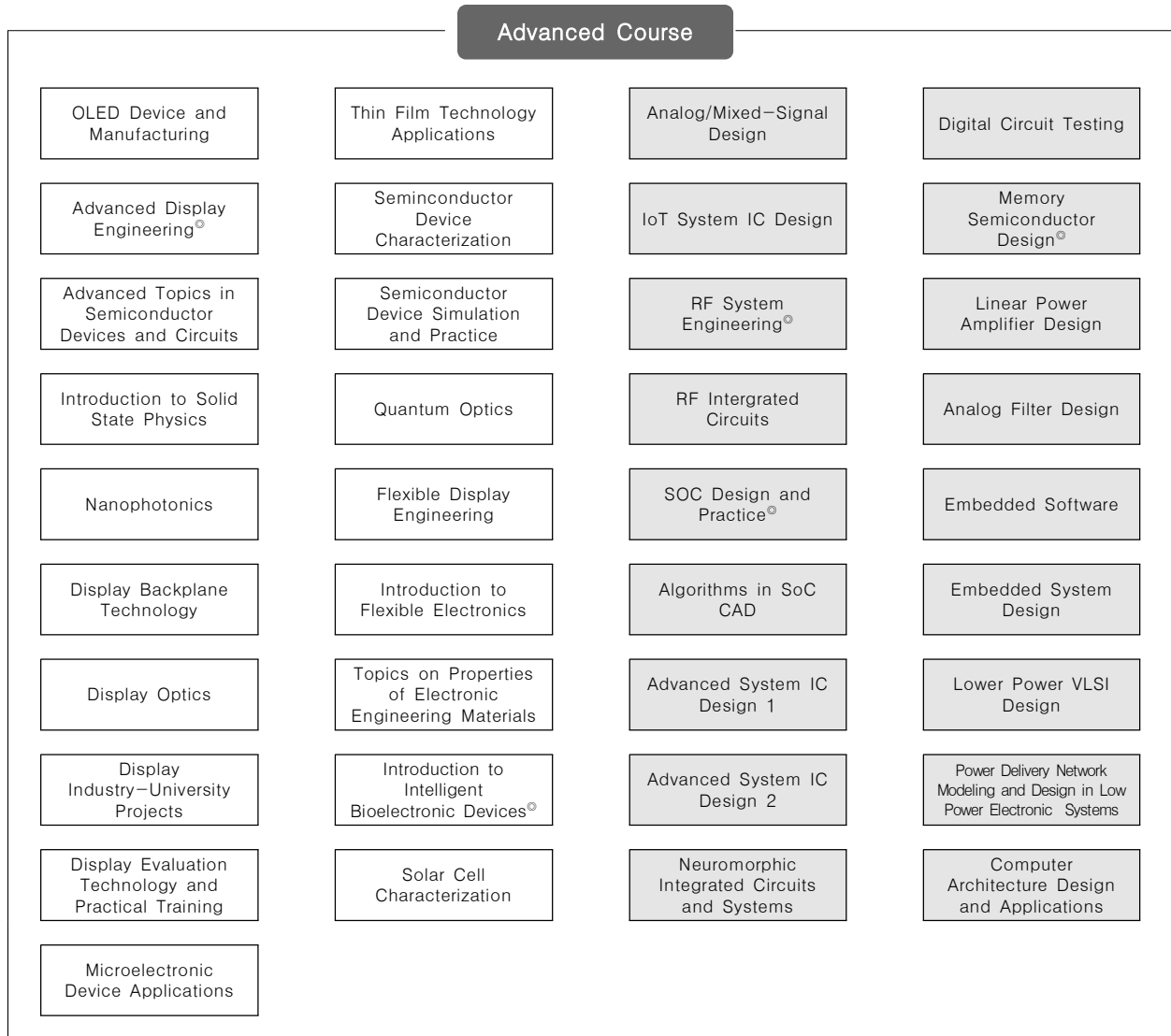
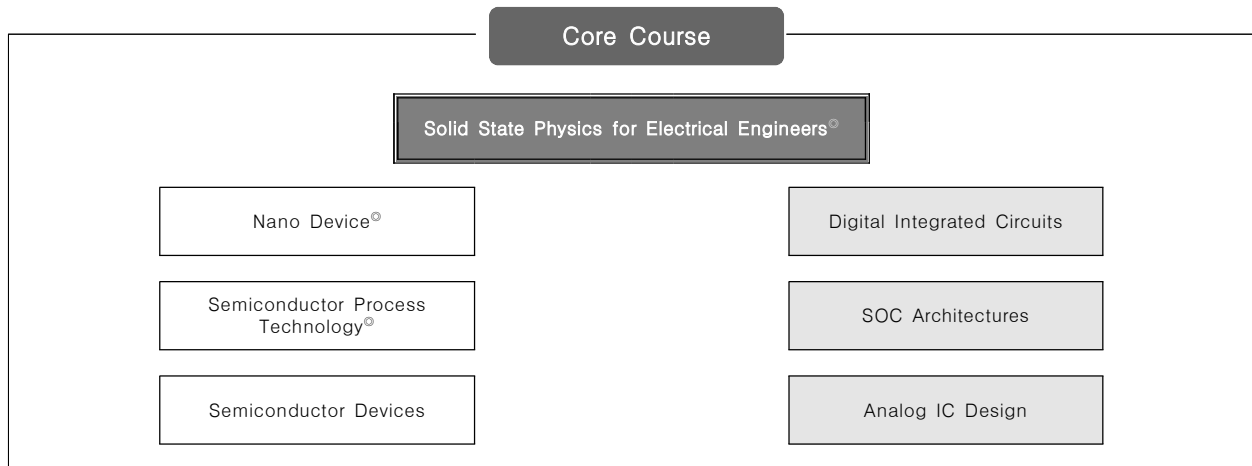
Control Systems Group Course

Energy Systems Group Course

© Bachelor/Master Course

Course Roadmap

Intelligent Semiconductor



Corner Stone Course

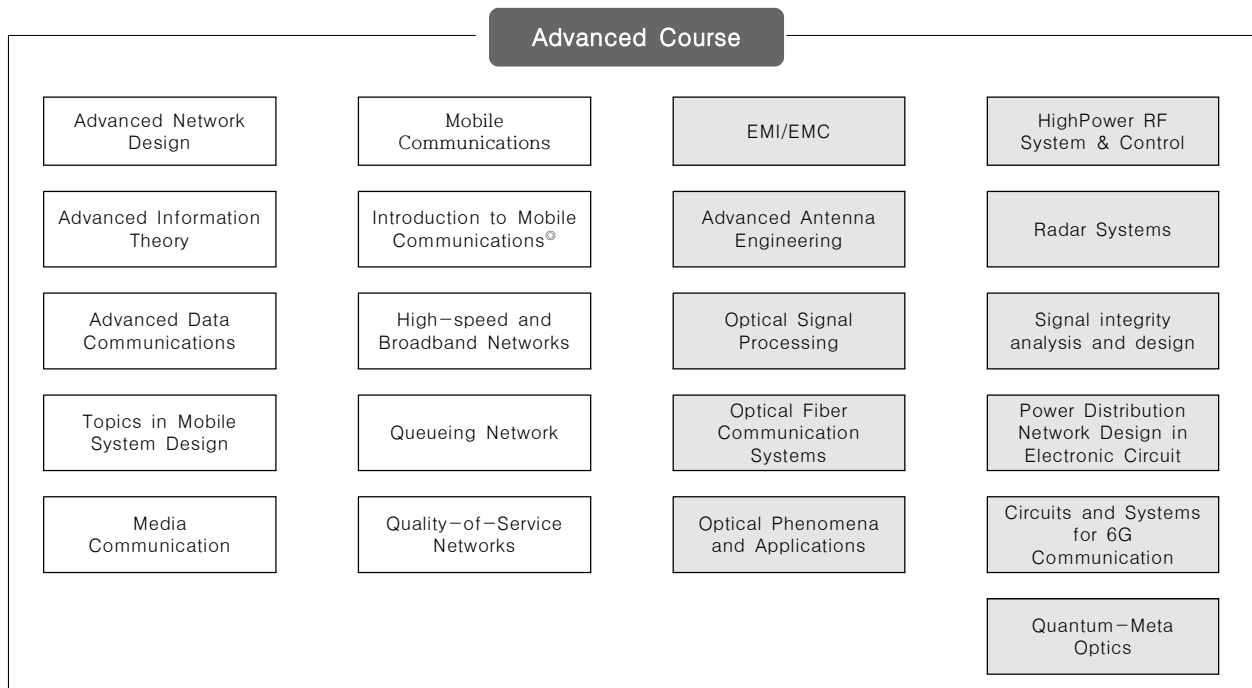
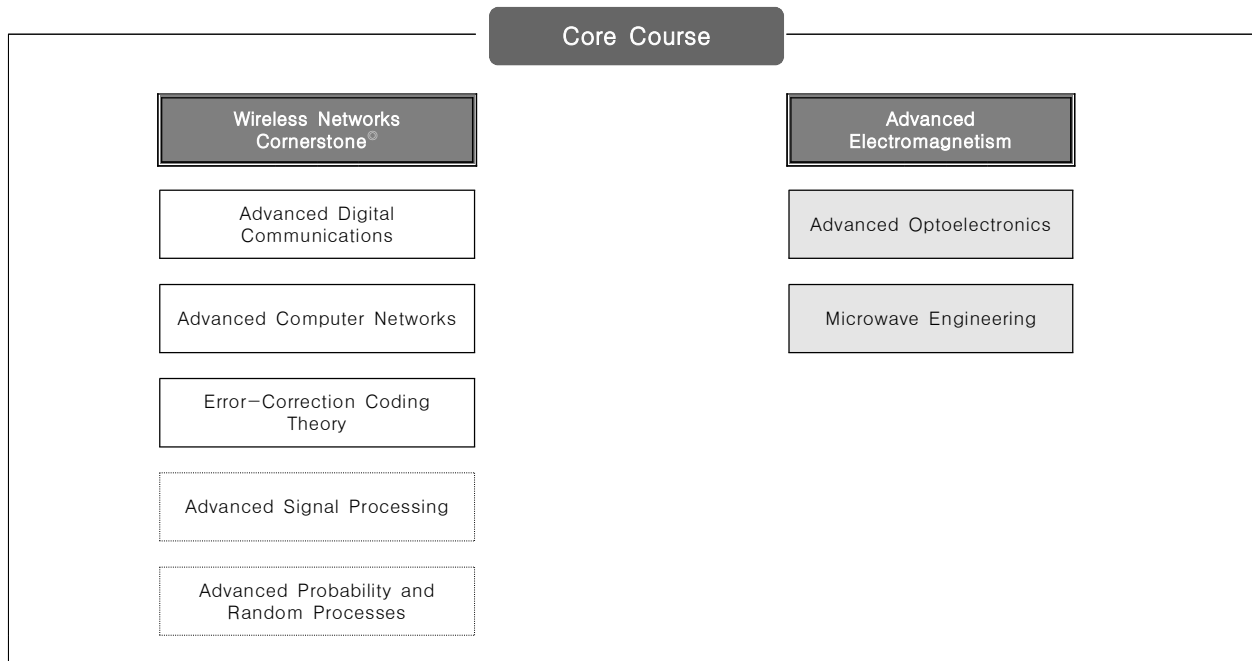
Nano/Semiconductor Group Course

VLSI Design Group Course

© Bachelor/Master Course

Course Roadmap

Hyperconnected Communication



Corner Stone Course

Communications/
Networks Group Course

Optics/Microwave
Group Course

Other Research
Groups Course

© Bachelor/
Master Course

Course Roadmap

Intelligent Computing

Core Course

Foundations of Machine Learning

Advanced Signal Processing	Advanced Database	Security Engineering	Advanced Artificial Intelligence
Advanced Probability and Random Processes	Software Engineering Technologies	Advanced Topics on Performance Evaluation	Computer Graphics Theory
Image Processing [©]	Operating System Design	Mobile Computing	

Advanced Course

DSP Design	Advanced Systems Programming [©]	Database Systems	Real-Time System Special Topics
HCI Design	Mobile Programming [©]	Microprocessor Application	Advanced Topics on Algorithm
Advanced Computer Vision	Big Data Analytics [©]	Distributed System Topics	Genetic Algorithms
Data Compression Theory	Design Pattern [©]	Software Architecture	Artificial Intelligent Based Simulation
Video Signal Processing		Software Seminar	Computer Network Security
Color Engineering [©]		Simulation Methodology	Special Topics on Information Security Theory
Neural Networks		Computer Simulation Principles	Fuzzy Theory
Speech Recognition and Synthesis		Advanced System Software	
Measurement Science			
Computer Vision [©]			
Pattern Recognition			

Corner Stone Course

Signal Processing Groups Course

Software Groups Course

© Bachelor/Master Course