Sample Schedule ISD (ESE) Master of Engineering in Energy Systems Engineering

The following table shows a sample Master of Energy Systems Engineering plan of study for a student who is pursuing SUGS B.S.E. in Mechanical Engineering with the Energy Systems program.

MEng (Energy Systems Engineering)		
Course	***Double-Count Transfer***	***Credit Hours***
Engineering Core and Energy Systems Seminar (12 credit)		
ESENG505/MECHENG571 Energy Generation & Storage		*3*
Auto533/ME433 Advanced Energy Solutions	***Double-Count***	*3*
ESENG501 Seminar		*3*
ISD 520		*3*
Engineering Core and Energy Systems Seminar Subtotals		***12***
Energy Analysis (6 credit-hours)		
CEE480 Design of Environmental Engineering Systems	***Double-Count***	*3*
IOE434 Human Error and Complex System Failures	***Double-Count***	*3*
Energy Analysis Subtotals		***6***
Energy Systems Specialty (9 credits)		
CHE696 Fuel Cells & Fuel Processors		*3*
NERS442 Nuclear Power Reactor		*3*
ME555/MFG555 Design Optimization		*3*
Energy Systems Specialty Subtotals		**9**
Energy Systems Capstone Project (3 credits)		
ESENG503 Projects in Energy Systems Engineering		*3*
Energy Systems Capstone Project Subtotal		***3***
Total MEng Program Credits		***30***