

Comparison between COE Proposal for Energy Systems Minor and ECE Proposal on Electric and Renewable Power Systems Minor

COE Proposal	ECE Proposal	Comments
4 courses	4 courses + coop + capstone	Experiential coop and capstone are required in the ECE proposal
Emphasis on courses	Emphasis on both courses and experiential learning	ECE student and alumni focus groups expressed desire to have experiential learning in any Energy Minor
1 core class required from list of 3 different Sustainable Energy related classes	3 core classes required from list of electric power or sustainable energy or energy harvesting classes	Energy emphasis for EE's (or ME's?) might not need to be in sustainable energy. Topics like smart grid, power systems, etc. are excellent career pathways.
Take 2 classes from a specified tract	No tract because the 2 equivalent courses are included with the 3 core class requirement	The COE "tract" selection makes the COE proposal similar to the ECE proposal, except for the sustainable energy requirement
1 elective from outside the tract	1 elective from outside core courses	Similar requirement. ECE would permit the elective to be within COE or outside COE. The COE proposal might (?) require course outside COE (TBD)

Final comments

- It is simple to reword COE proposal to have same course requirements as ECE proposal
- Experiential learning components are the only other main difference between the proposals
- The ECE proposal allows the student to have either a focused coursework (all in electric power) or a broad coursework (electric power, sustainable energy, humanities).