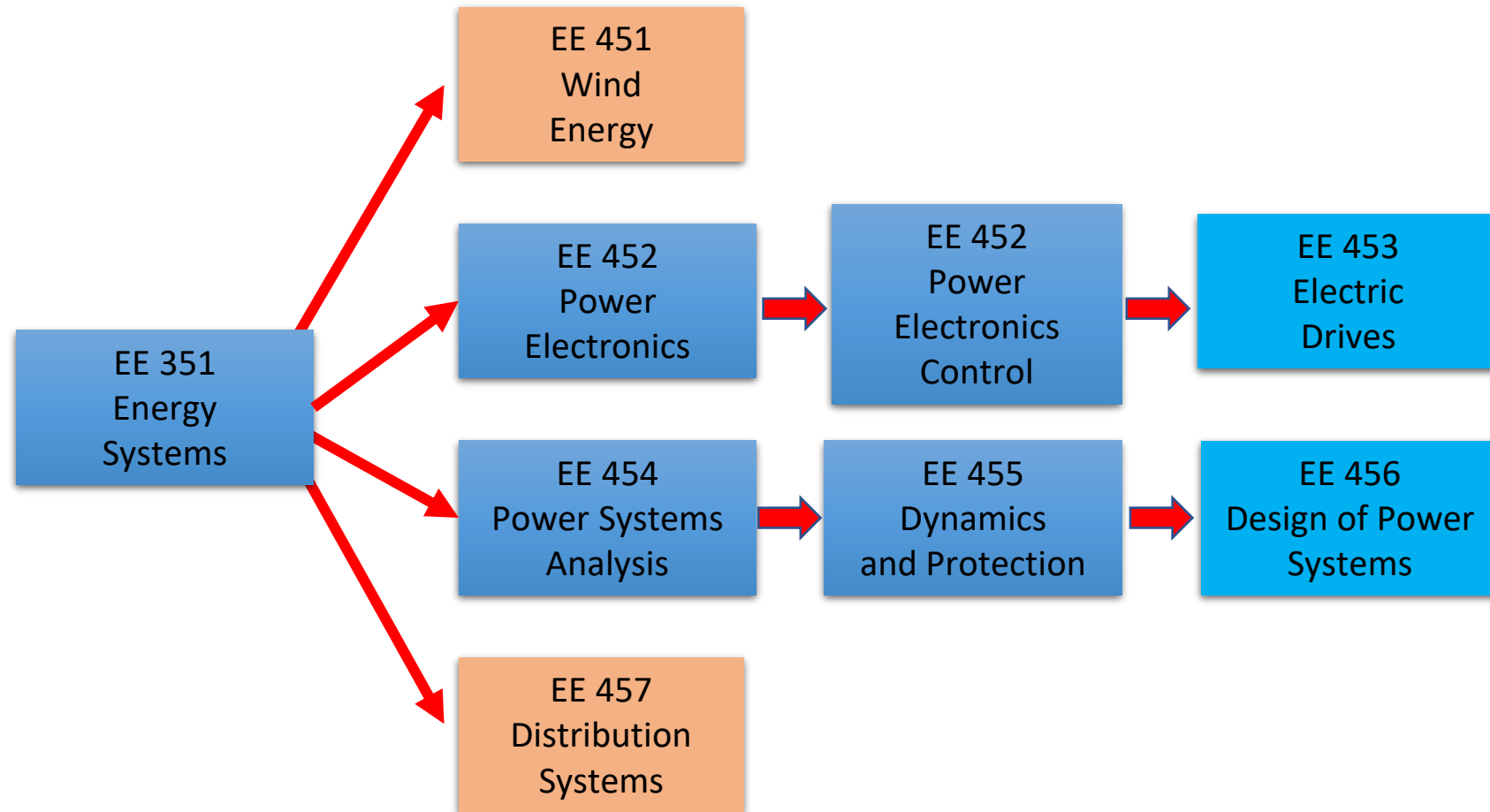


2022 Power/Energy Concentrations Review

Daniel Kirschen



Power/Energy Concentrations



Course Offerings and Enrollments

Class	17-18	18-19	19-20	20-21	21-22	5-year average
351	83	95	88	65	49	80
451	24	19		29	14	22
452	41	30	43	35	44	36
453	31	21	19	16	14	21
454	41	29	44	33	27	34
455	27	21	33	19	16	25
456	23	10	20	7	8	15
457		12	12	10		13
458			29	19	14	21

ABET End of Course compliance – missing reports



- **Autumn 20**

- EE454 (Zhang)
- EE452 (Johnson)

- **Winter 21**

- EE451 (Zhang)

- **Spring 21**

- EE453 (Vining)

- **Winter 22**

- EE451 (Zhang)

ABET outcomes

Novice/Developing/Competent/Exemplary

Course	Quarter	Faculty	Q1	Q2	Q3	Q4	Q5	Q6	Q7
453	Spr 20	Vining	0/1/1/4		0/1/2/3		0/2/2/2		0/1/1/4
454	Aut 21	Kirschen	0/1/1/4						
456	Spr 21	Christie	0/0/3/0	0/0/3/0	0/0/3/0	0/0/3/0			
458	Win 21	Johnson	0/1/3/2	0/1/3/2				0/0/3/3	
452	Aut 21	Johnson	0/1/3/2	0/1/3/2				0/1/2/3	

1: Solve Problems. 2: Apply Design Considering Constraints. 3: Communication.
4: Ethics. 5: Teams. 6: Experiment & Analyze Data. 7: Learning

Engineering Standards



- The design exercises that Rich Christie assigns in EE456 make substantive use of IEEE and NERC standards
- No information available about EE453

Issues



- Brian's resignation forced us to cancel the power electronics and drives concentration next year. Many students are unhappy about that.
- Viability of EE456 (capstone in sustainable power systems). Trying to get more power companies to offer ENGINE capstones)