

Engineering Physics Curriculum

Proposed Changes in EP Curriculum

➤ **New GenEd requirements**

NMSU will implement new GenEd requirements in AY 2019-2020. The proposed GenEd requirements will reduce the number of required GenEd credits and will make the requirements more flexible by offering a wider selection of GenEd courses.

➤ **Transition to 120 credits**

NMSU is expected to complete its transition to 120 credits in AY 2019-2020. All undergraduate degree programs requiring more than 120 credits will be strongly encouraged to reduce the number of required credits to 120.

➤ **Interdisciplinary engineering capstone**

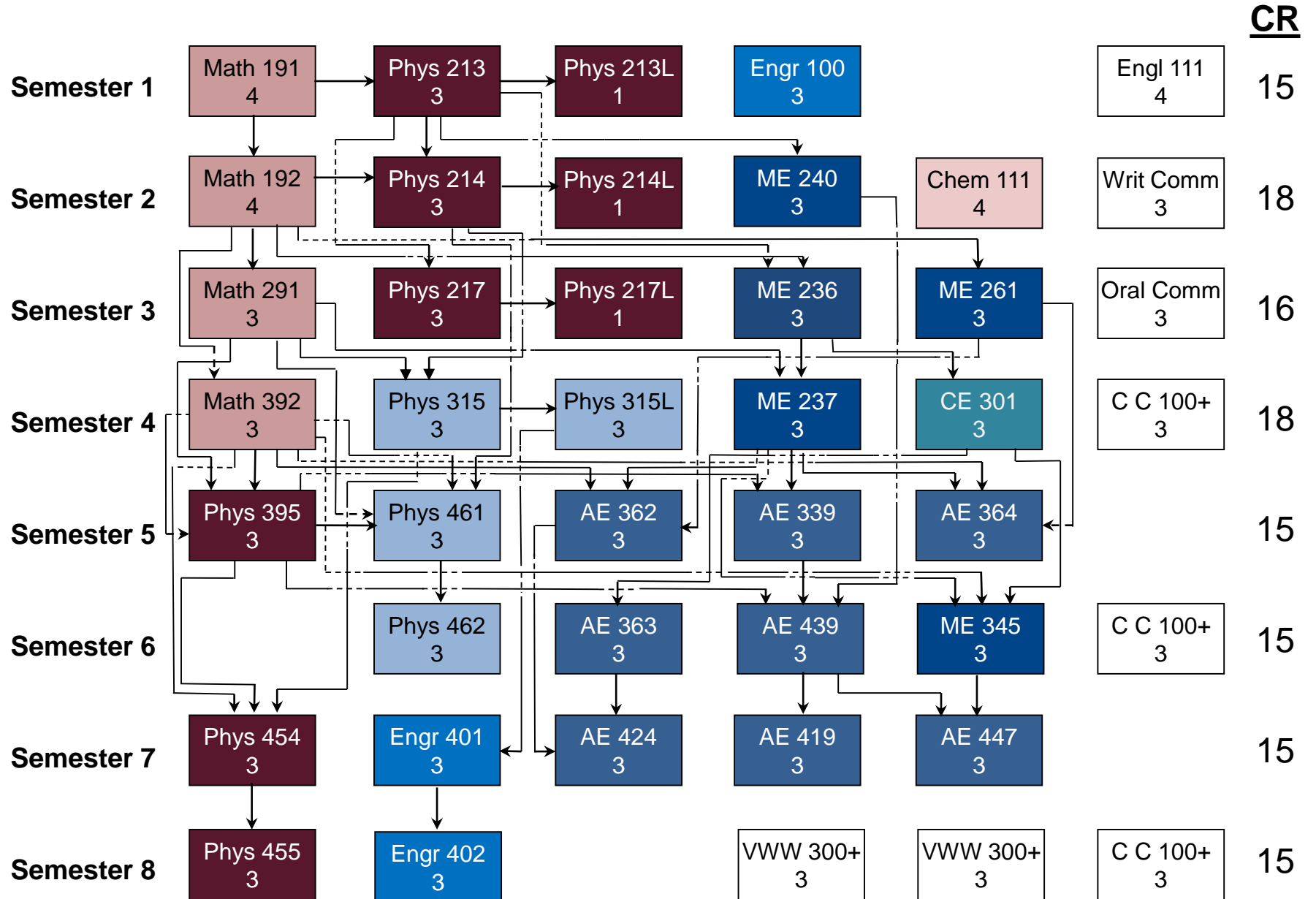
The Engineering College will introduce a new interdisciplinary capstone design course in AY 2019-2020. This course will replace the program-specific capstone courses that were previously offered by individual engineering departments.

EP Program Requirements: Summary of Changes

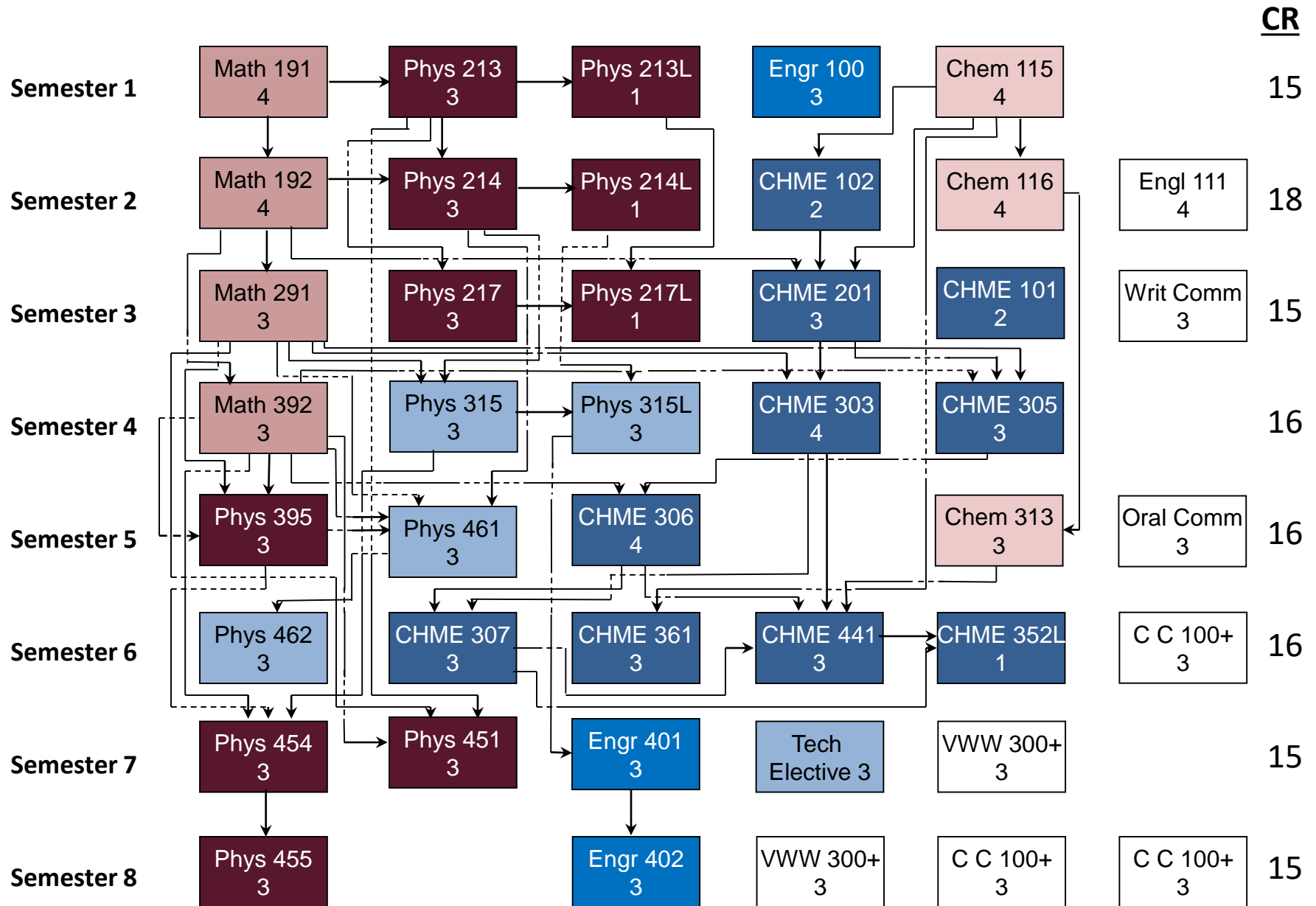
Concentration	Credits (AY 2018-2019)						Total Credits
	CC+VWW	Eng	Phys	Math	Chem	Elect	
AE	37 + 6	48	25	10	4	0	130
CHME	37 + 6	34-35	28	10	11	3	129-130
EE	37 + 6	36	31	10	4	6-7	130-131
ME	37 + 6	41	25	10	4	6	129

Concentration	Credits (AY 2019-2020)						Total Credits
	CC+VWW	Eng	Phys	Math	Chem	Elect	
AE	35 + 6	51	25	6	4	0	127
CHME	35 + 6	37	28	6	11	3	126
EE	35 + 6	36	31	6	4	6-7	124-125
ME	35 + 6	41	28	6	4	3	123

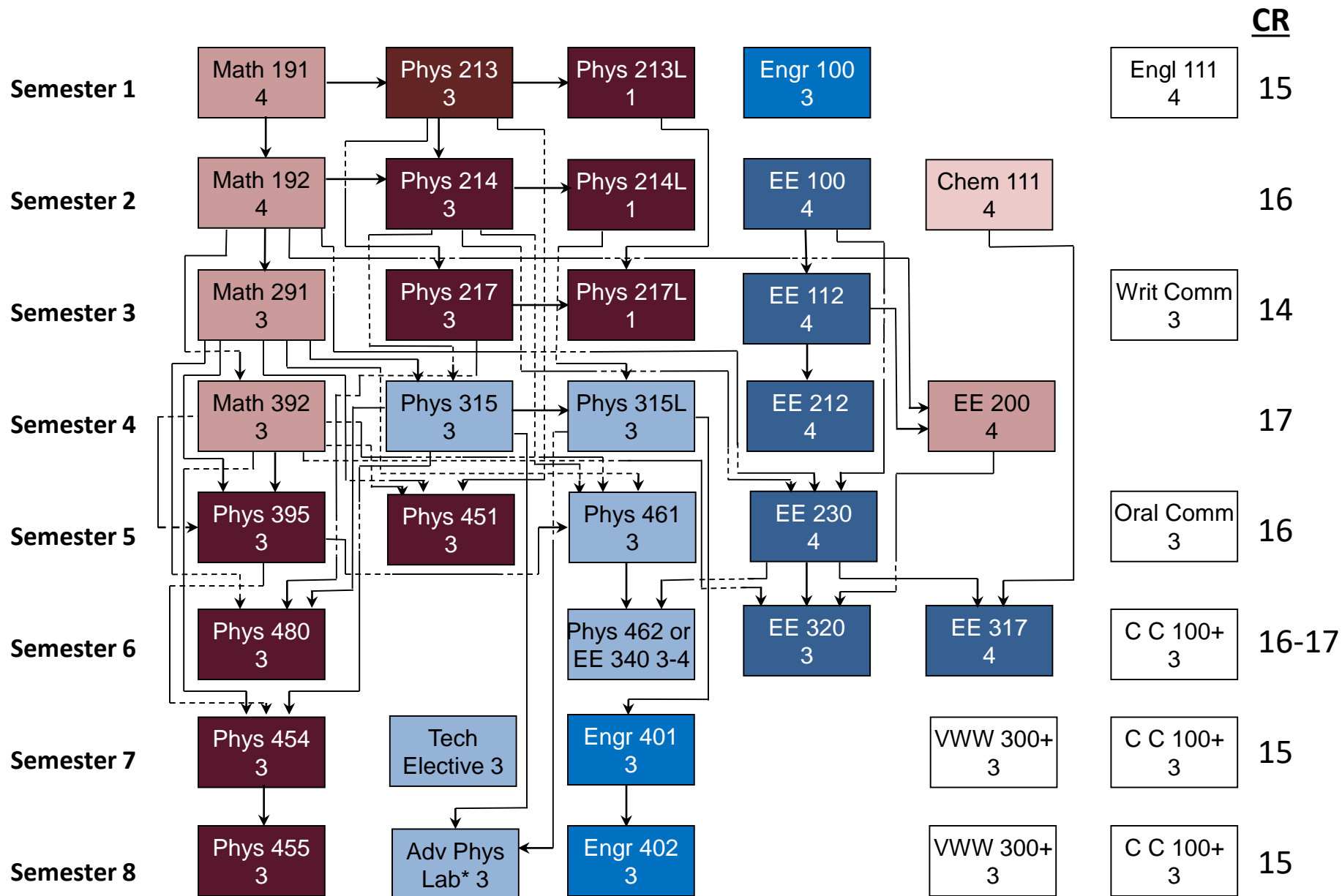
Engineering Physics – Aerospace Concentration (Fall 2019 Flowchart)



Engineering Physics – Chemical Concentration *(Fall 2019 Flowchart)*

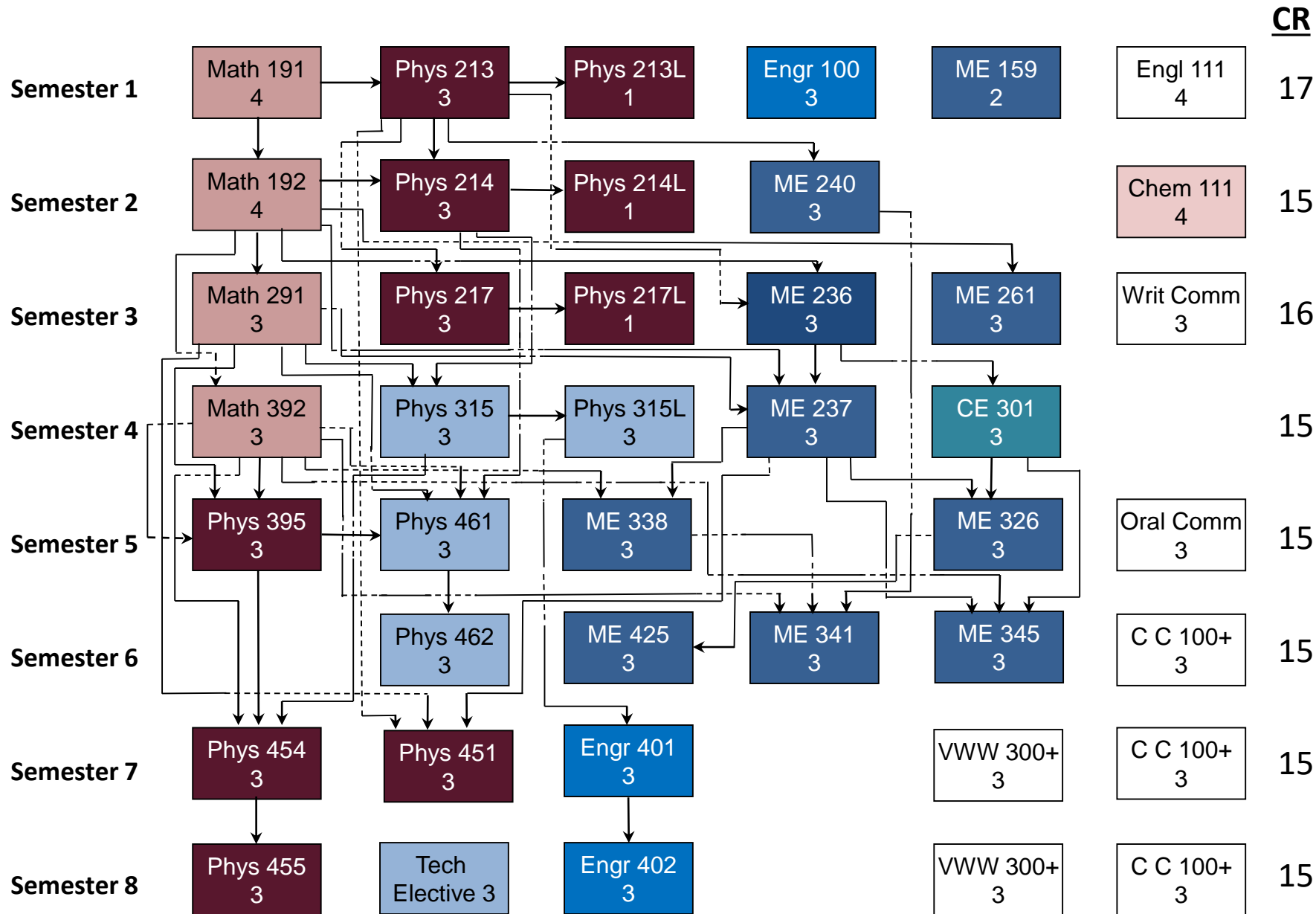


Engineering Physics – Electrical Concentration (Fall 2019 Flowchart)



* Phys 471, Phys 475, or Phys 493

Engineering Physics – Mechanical Concentration *(Fall 2019 Flowchart)*



Engineering Physics Curriculum

Future Changes in EP Curriculum (AY 2020-2021)

➤ **EP-AE: eliminate AE 424 (3 credits)**

This would reduce the total number of required EP-AE credits to 124.

➤ **EP-CHME: consider eliminating CHME 361 (3 credits)**

This would reduce the total number of required EP-CHME credits to 123.

➤ **EP-EE: consider eliminating EE 317 (4 credits)**

This would reduce the total number of required EP-EE credits to 120-121.

➤ **All concentrations: eliminate MATH 291 (material covered in PHYS 395)**

This would reduce the total number of required credits in all 4 EP concentrations to 120-121.