MARITIME COLLEGE
STATE UNIVERSITY OF NEW YORK

DEGREE CURRICULA
FLOW CHARTS

For Students Entering
Maritime College
During
2015-16 Academic Year

As of October 29, 2015

About the Flow Charts

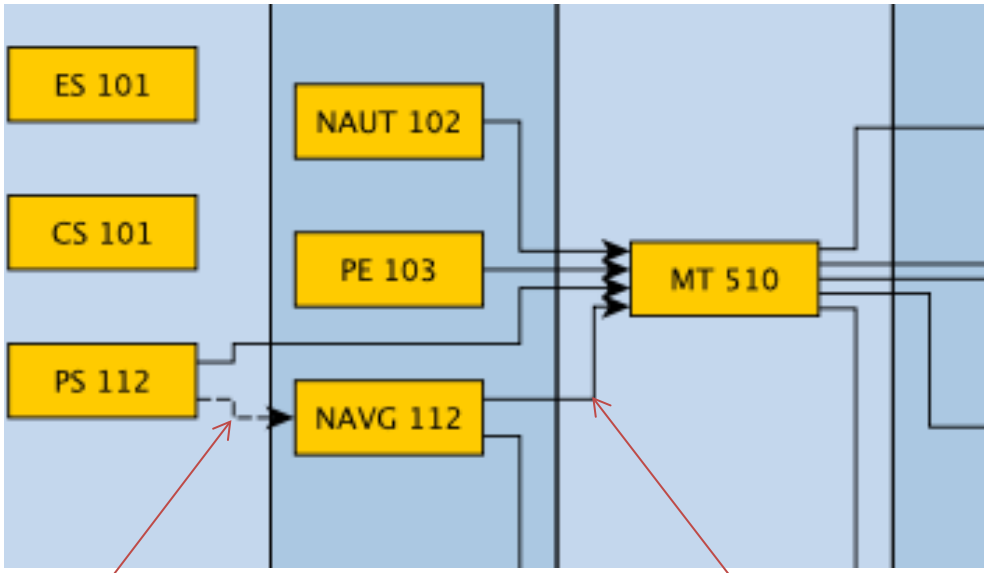
The flow chart for your degree curriculum is a tool to help you visualize the timing of and the relationships between the many courses you will have to take to satisfy the requirements for your degree. The flow charts show the following information.

- required courses for your degree
- the semester in which you should take those courses, as shown on your degree curriculum
- prerequisite and corequisite relationships between the courses in your degree

A separate flow chart for remedial courses (which typically do not count towards your degree) and the courses that have remedial prerequisites or corequisites can be found at the end of this document.

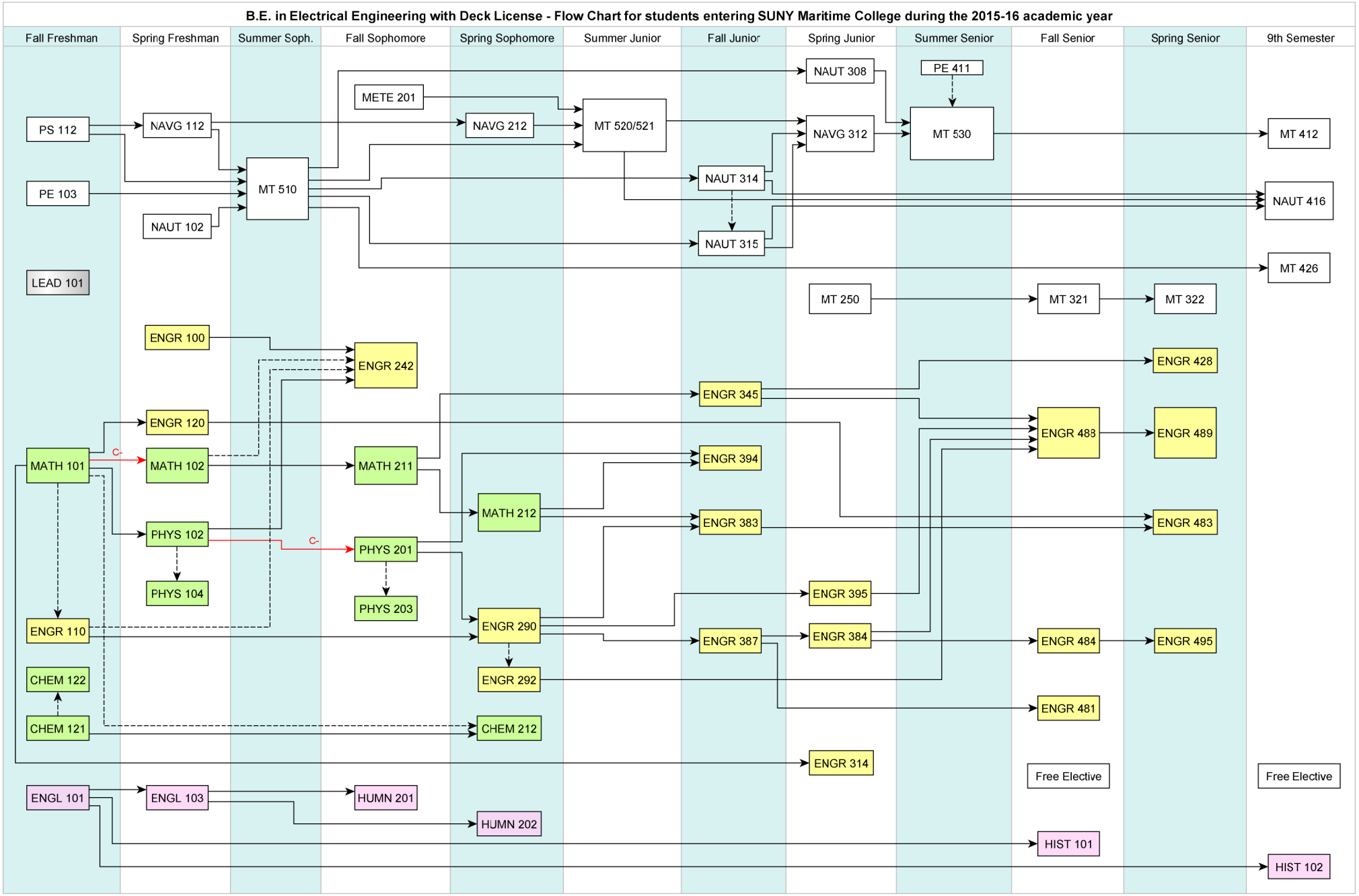
The flow charts are not a substitute for reading your degree curriculum and the course descriptions. Some information, like required minimum grades for prerequisites, the terms in which courses are typically offered, and prerequisites that are not courses (for example, junior standing) are not shown on the flow charts. When in doubt, always refer to your degree curricula and the course descriptions, and do not hesitate to ask for help from your advisor, your department chair, or the academic dean.

How to Read the Flow Charts

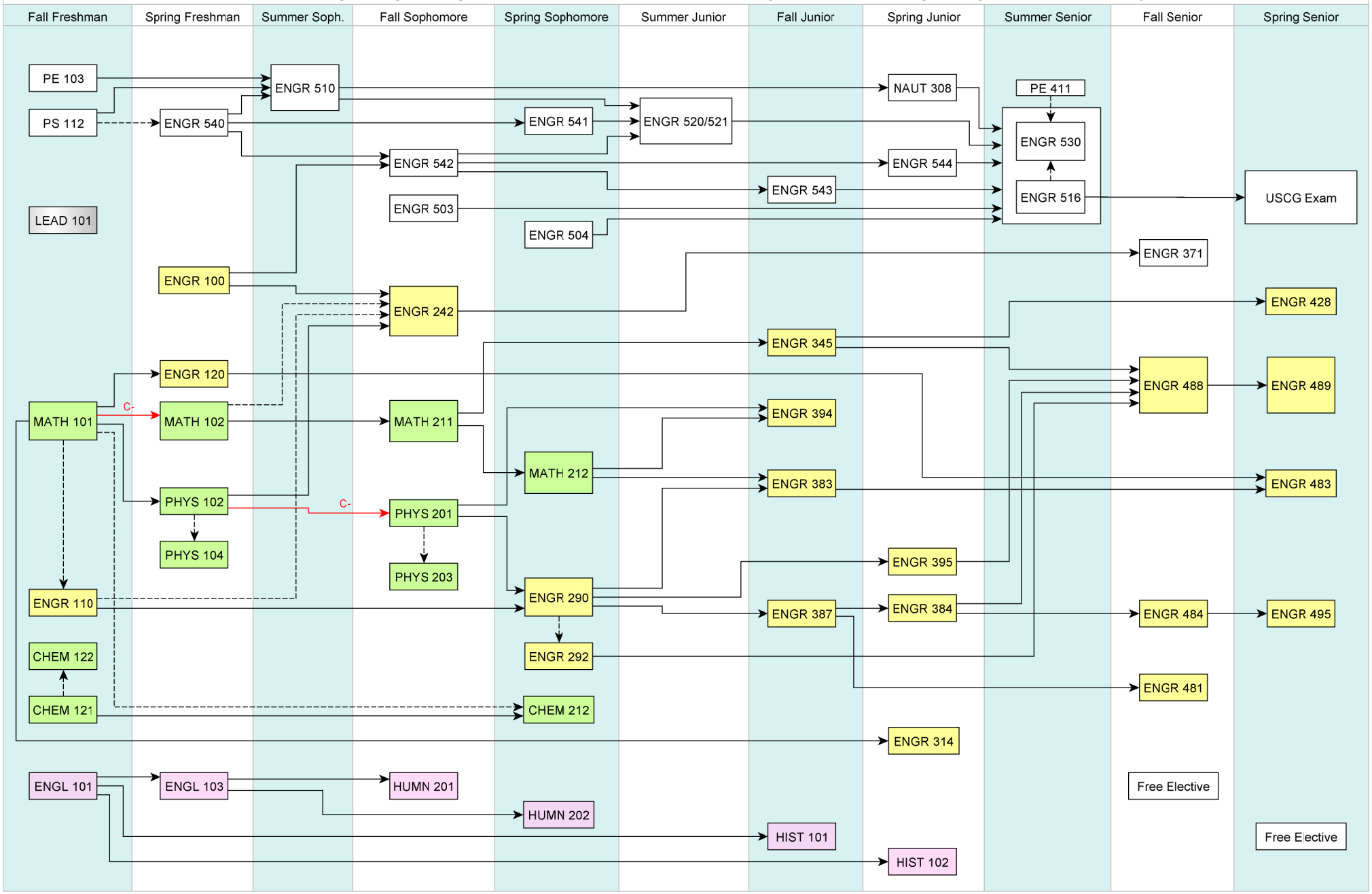


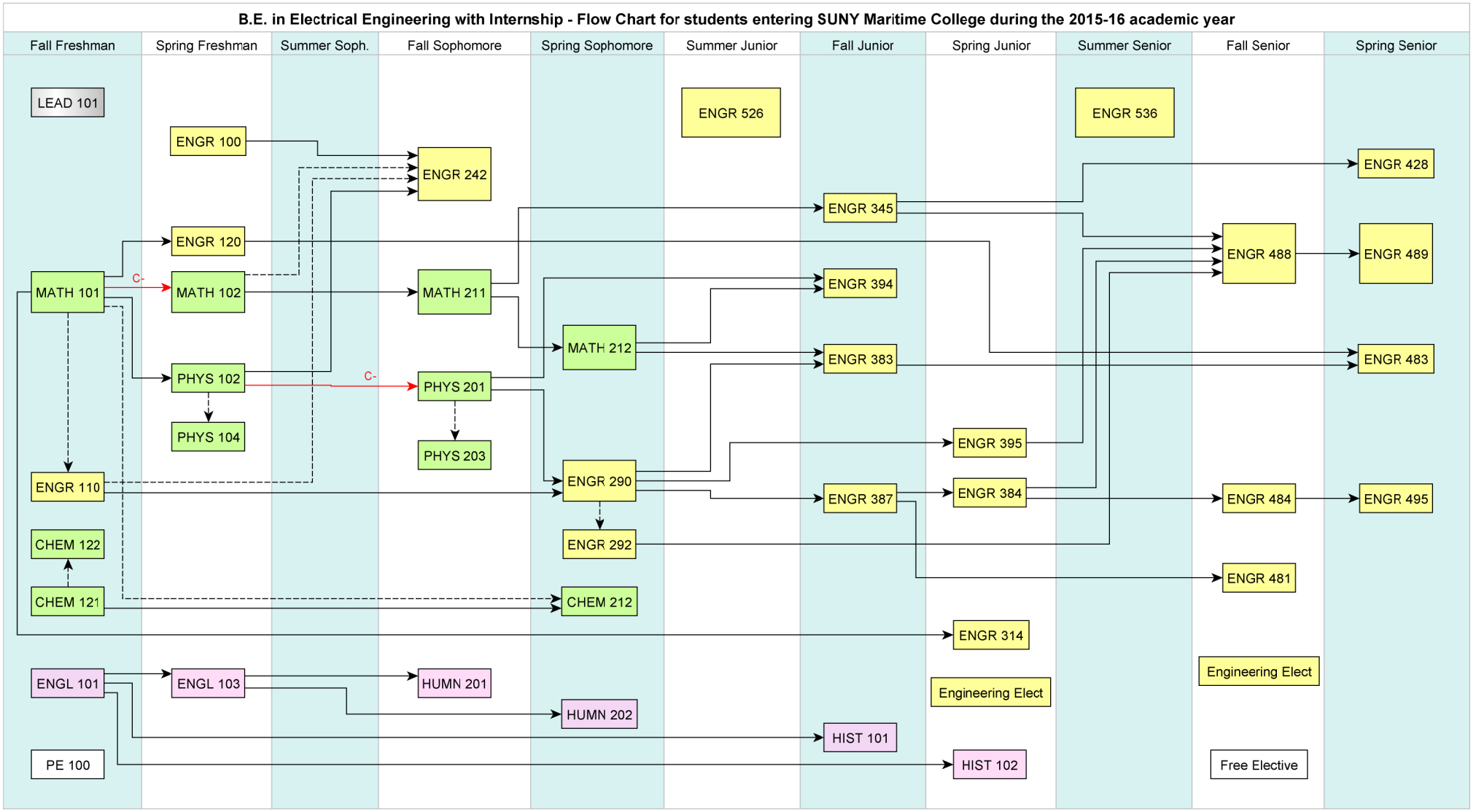
A dotted arrow indicates that the first course is a corequisite for the second. This means that you must take the first course before or at the same time as the second. Here, PS 112 is a corequisite for NAVG 112.

A solid arrow indicates that the first course is a prerequisite for the second. This means that you must take the first course before the second. Here, NAVG 112 is a prerequisite for MT 510.

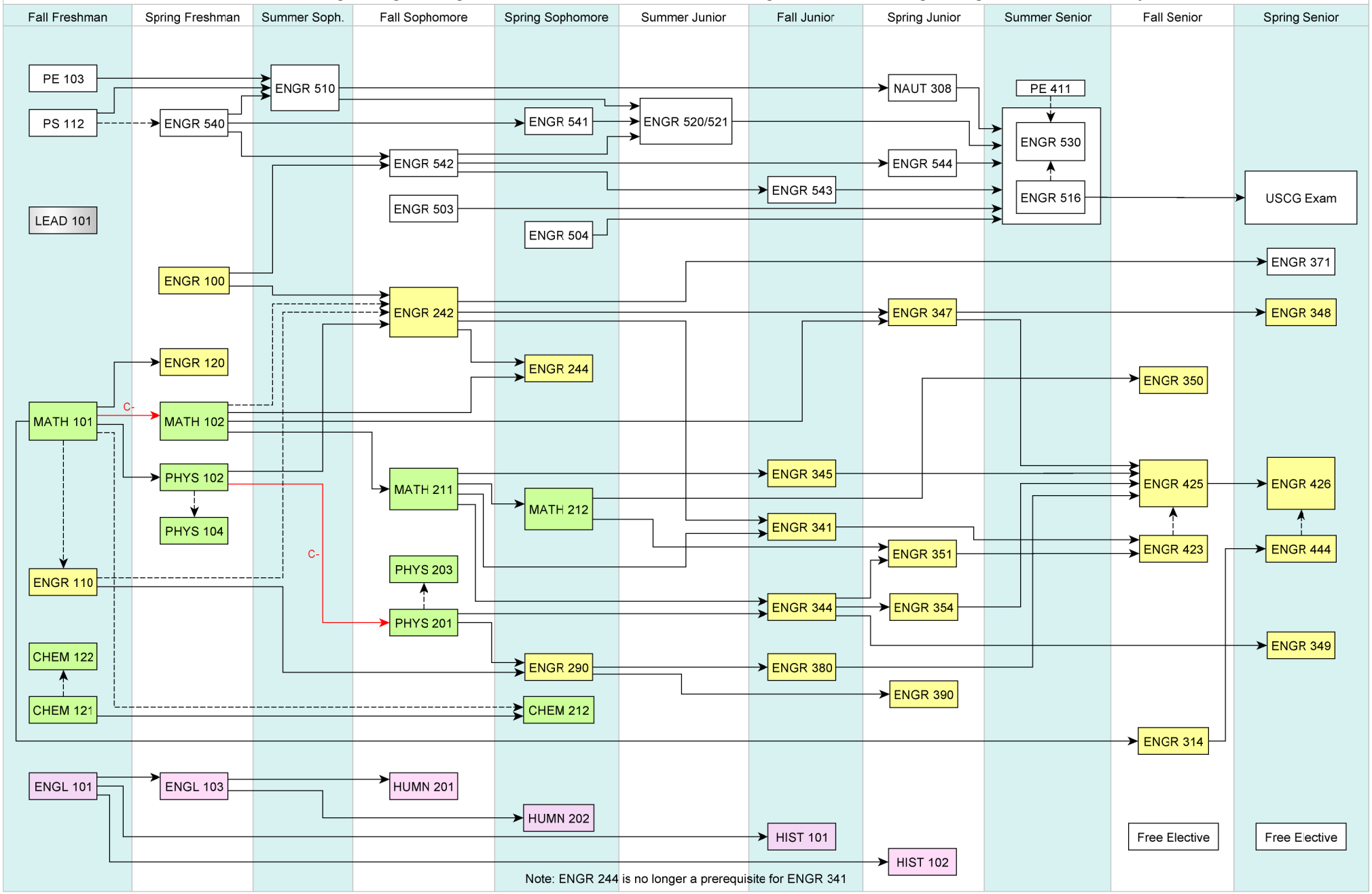

B.E. in Electrical Engineering with Deck License - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
9th Semester
PS 112
PE 103
LEAD 101
NAVG 112
NAUT 102
MT 510
METE 201
NAVG 212
MT 520/521
NAUT 308
NAUT 314
NAUT 315
NAVG 312
PE 411
MT 530
MT 412
NAUT 416
MT 426
MT 250
MT 321
MT 322
ENGR 100
ENGR 120
MATH 101
MATH 102
PHYS 102
PHYS 104
ENGR 110
CHEM 122
CHEM 121
ENGR 242
MATH 211
PHYS 201
PHYS 203
MATH 212
ENGR 290
ENGR 292
CHEM 212
ENGR 345
ENGR 394
ENGR 383
ENGR 387
ENGR 395
ENGR 384
ENGR 314
ENGR 488
ENGR 428
ENGR 489
ENGR 483
ENGR 484
ENGR 495
ENGR 481
Free Elective
Free Elective
C-
C-
ENGL 101
ENGL 103
HUMN 201
HUMN 202
HIST 101
HIST 102

B.E. in Electrical Engineering with Engine License - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year



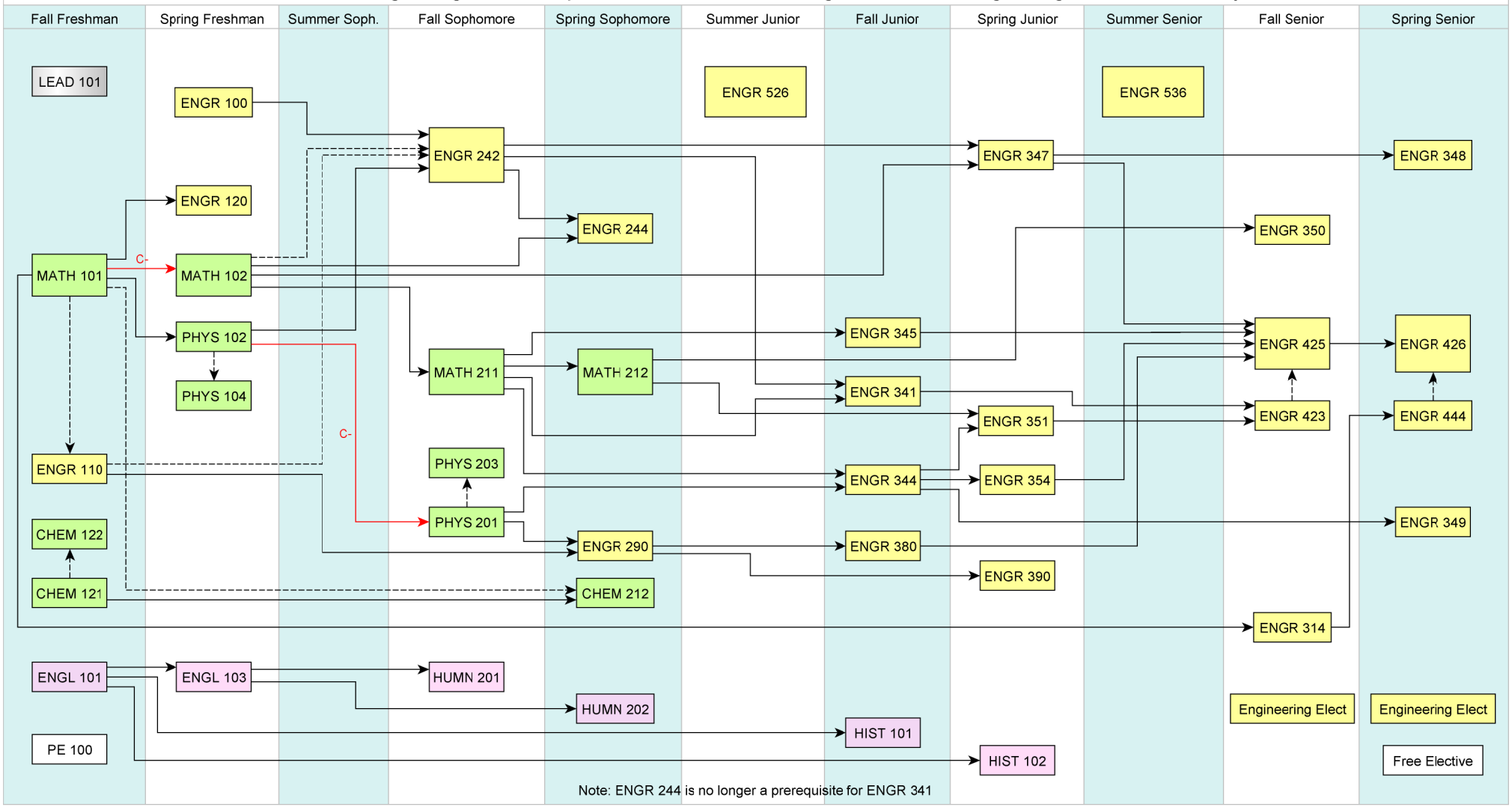

B.E. in Electrical Engineering with Internship - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
LEAD 101
ENGR 100
ENGR 242
ENGR 526
ENGR 536
ENGR 428
ENGR 345
ENGR 120
ENGR 488
ENGR 489
MATH 101
C-
MATH 102
MATH 211
ENGR 394
MATH 212
ENGR 383
ENGR 483
PHYS 102
C-
PHYS 201
PHYS 104
PHYS 203
ENGR 395
ENGR 110
ENGR 290
ENGR 387
ENGR 384
ENGR 484
ENGR 495
CHEM 122
ENGR 292
ENGR 481
CHEM 121
CHEM 212
ENGR 314
ENGL 101
ENGL 103
HUMN 201
Engineering Elect
Engineering Elect
HUMN 202
HIST 101
PE 100
HIST 102
Free Elective

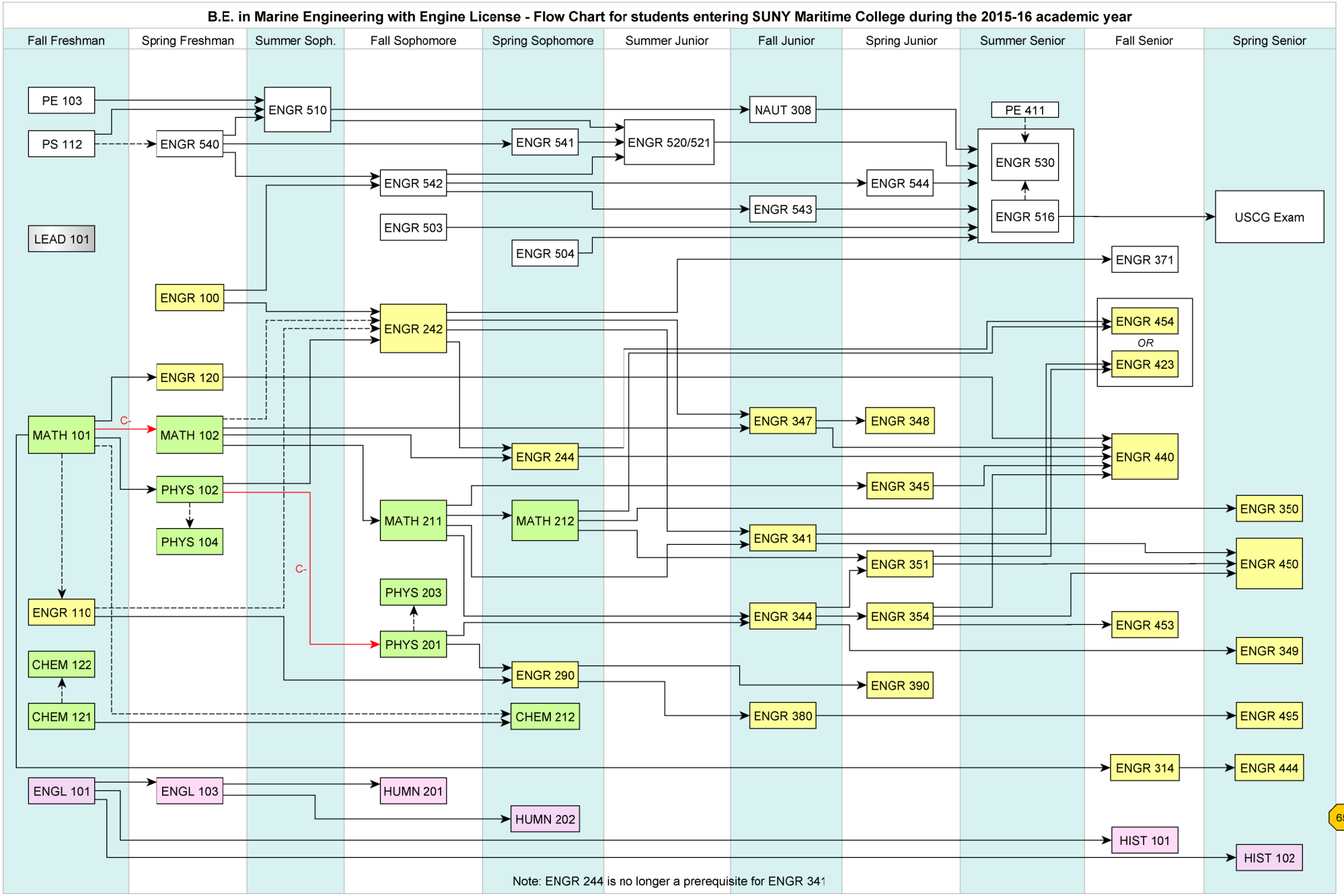
B.E. in Facilities Engineering with Engine License - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year



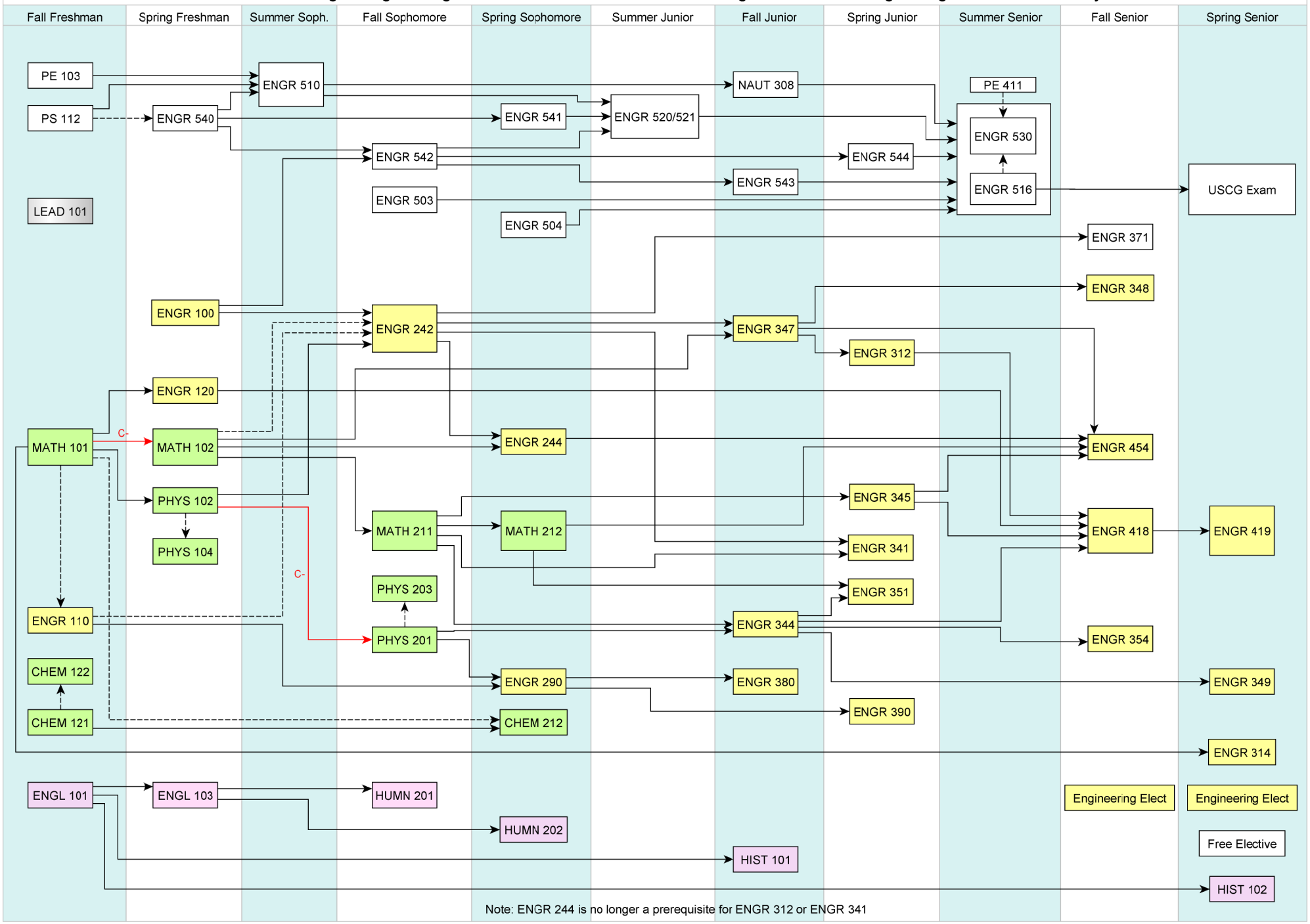
Note: ENGR 244 is no longer a prerequisite for ENGR 341

B.E. in Facilities Engineering with Internship - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year

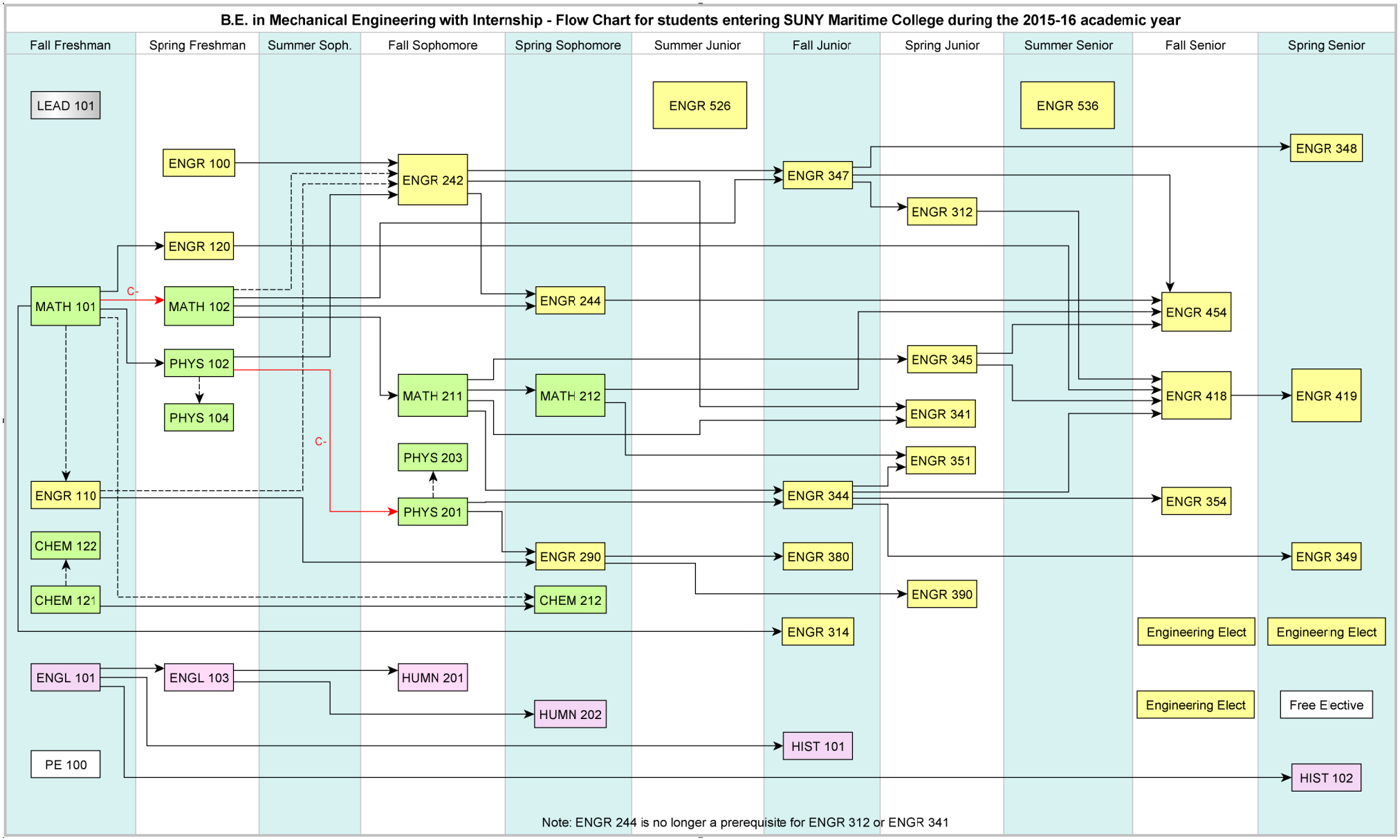


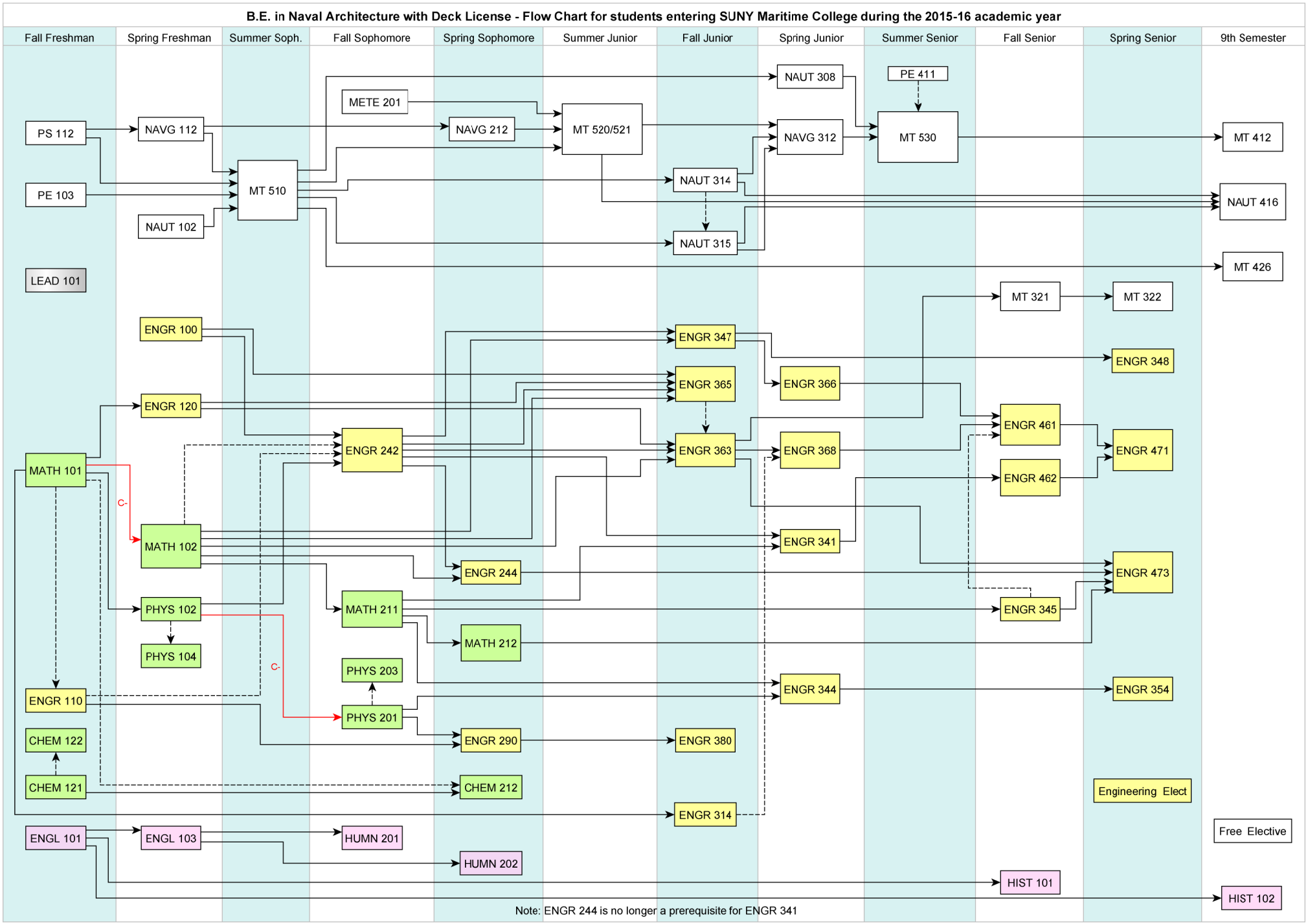

B.E. in Marine Engineering with Engine License - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
PE 103
PS 112
LEAD 101
ENGR 510
ENGR 540
ENGR 100
ENGR 120
MATH 101
MATH 102
PHYS 102
PHYS 104
ENGR 110
CHEM 122
CHEM 121
ENGL 101
ENGL 103
HUMN 201
HUMN 202
C-
C-
ENGR 542
ENGR 503
ENGR 242
MATH 211
PHYS 203
PHYS 201
ENGR 290
CHEM 212
ENGR 541
ENGR 504
ENGR 244
MATH 212
NAUT 308
ENGR 520/521
ENGR 543
ENGR 347
ENGR 345
ENGR 341
ENGR 344
ENGR 380
PE 411
ENGR 530
ENGR 516
ENGR 544
ENGR 348
ENGR 351
ENGR 354
ENGR 390
USCG Exam
ENGR 371
ENGR 454
OR
ENGR 423
ENGR 440
ENGR 350
ENGR 450
ENGR 453
ENGR 349
ENGR 495
ENGR 314
ENGR 444
HIST 101
HIST 102
Note: ENGR 244 is no longer a prerequisite for ENGR 341
65

B.E. in Mechanical Engineering with Engine License - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year

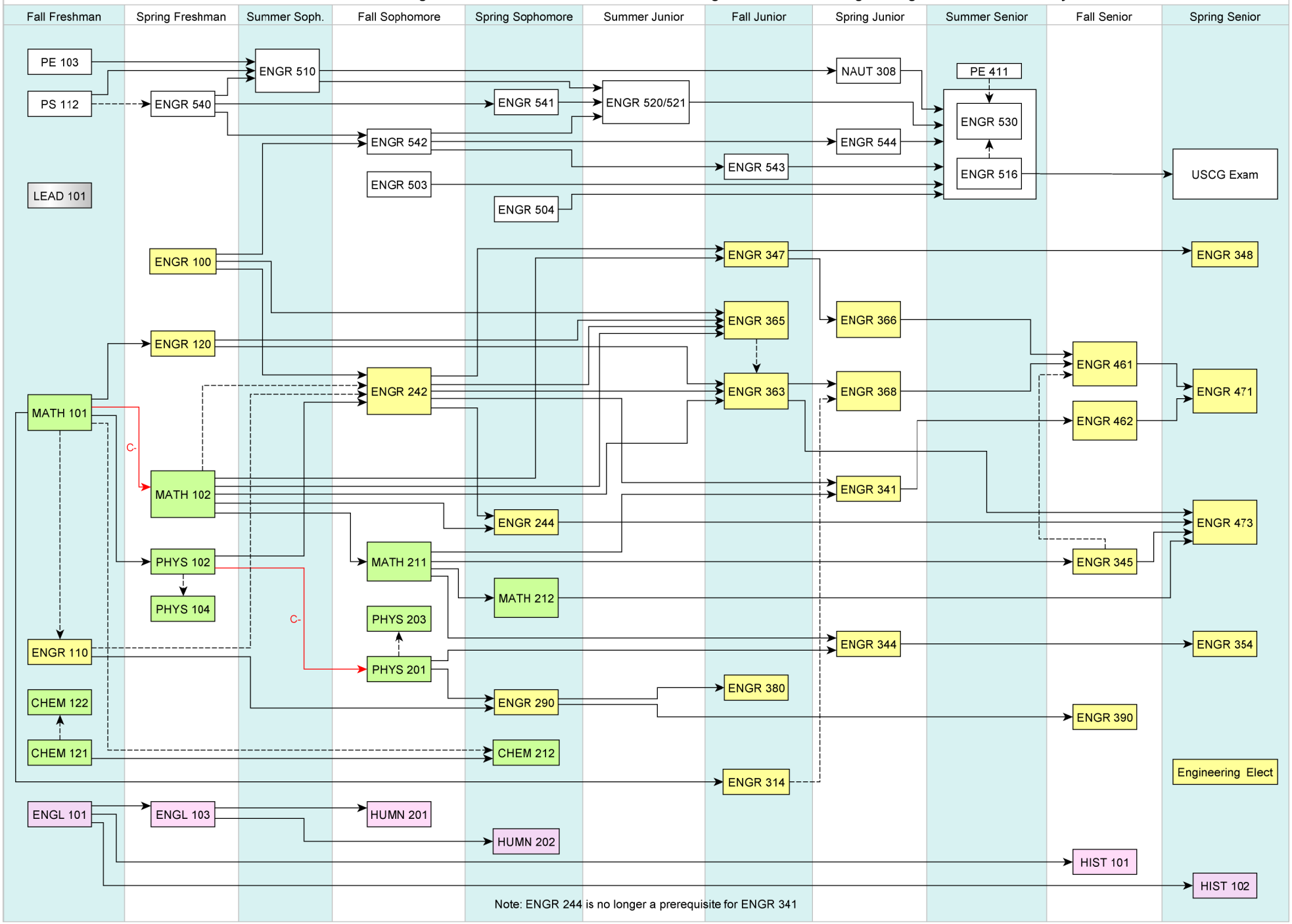


Note: ENGR 244 is no longer a prerequisite for ENGR 312 or ENGR 341


B.E. in Mechanical Engineering with Internship - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
LEAD 101
ENGR 100
ENGR 120
MATH 101
MATH 102
PHYS 102
PHYS 104
ENGR 110
CHEM 122
CHEM 121
ENGL 101
ENGL 103
PE 100
ENGR 242
MATH 211
PHYS 203
PHYS 201
ENGR 290
CHEM 212
HUMN 201
HUMN 202
ENGR 244
MATH 212
ENGR 526
ENGR 347
ENGR 312
ENGR 345
ENGR 341
ENGR 351
ENGR 344
ENGR 380
ENGR 390
ENGR 314
HIST 101
ENGR 536
ENGR 348
ENGR 454
ENGR 418
ENGR 354
Engineering Elect
Engineering Elect
ENGR 419
ENGR 349
Engineering Elect
Free Elective
HIST 102
C-
C-
Note: ENGR 244 is no longer a prerequisite for ENGR 312 or ENGR 341

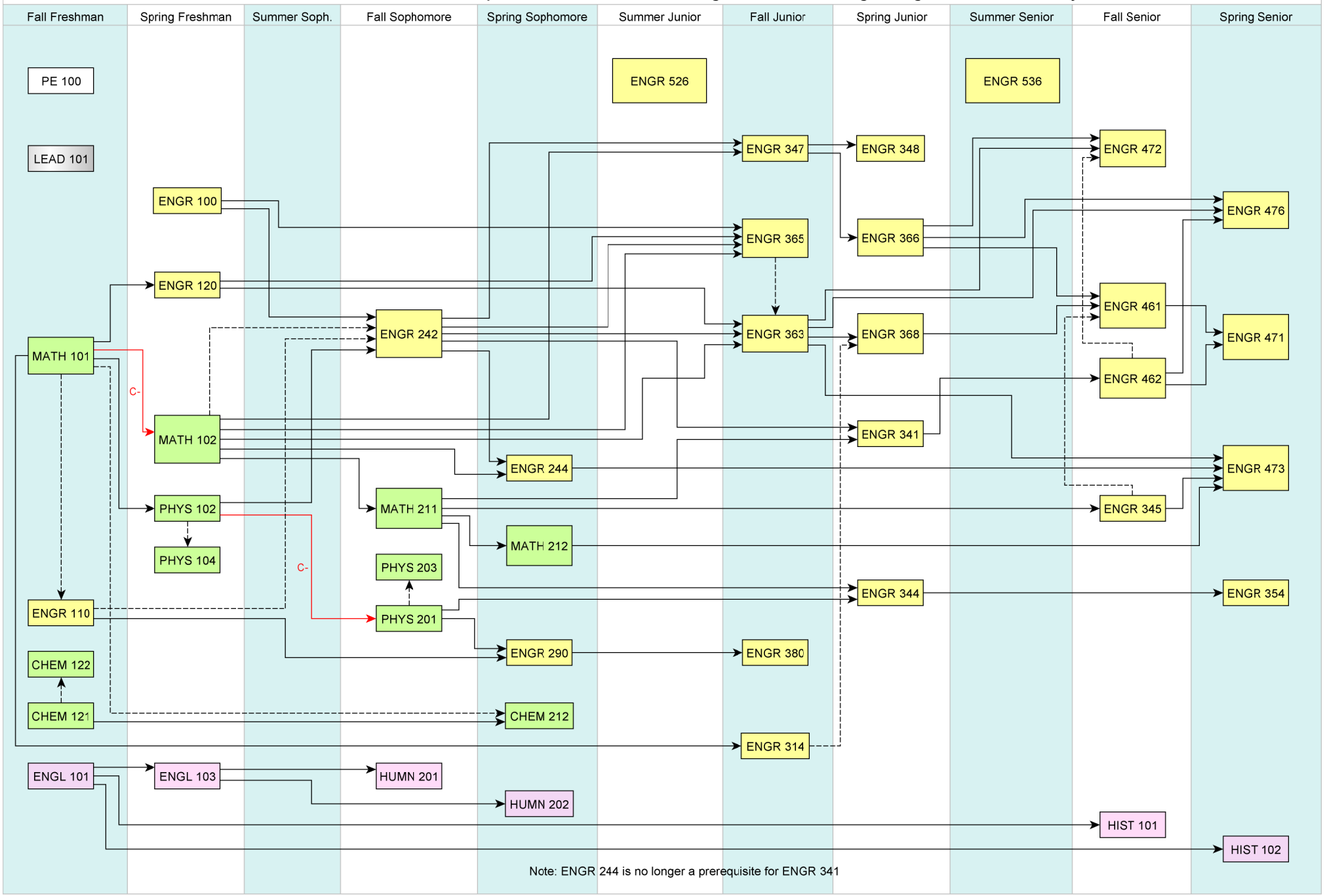

B.E. in Naval Architecture with Deck License - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
9th Semester
PS 112
PE 103
LEAD 101
NAVG 112
NAUT 102
MT 510
METE 201
NAVG 212
MT 520/521
NAUT 308
NAUT 314
NAUT 315
NAVG 312
PE 411
MT 530
MT 412
NAUT 416
MT 426
MT 321
MT 322
ENGR 100
ENGR 120
ENGR 242
ENGR 347
ENGR 365
ENGR 363
ENGR 366
ENGR 368
ENGR 348
ENGR 461
ENGR 462
ENGR 471
MATH 101
C-
MATH 102
PHYS 102
PHYS 104
ENGR 244
MATH 211
MATH 212
PHYS 203
PHYS 201
ENGR 341
ENGR 345
ENGR 473
ENGR 110
CHEM 122
CHEM 121
ENGR 290
CHEM 212
ENGR 380
ENGR 314
ENGR 344
ENGR 354
Engineering Elect
ENGL 101
ENGL 103
HUMN 201
HUMN 202
Free Elective
HIST 101
HIST 102
Note: ENGR 244 is no longer a prerequisite for ENGR 341

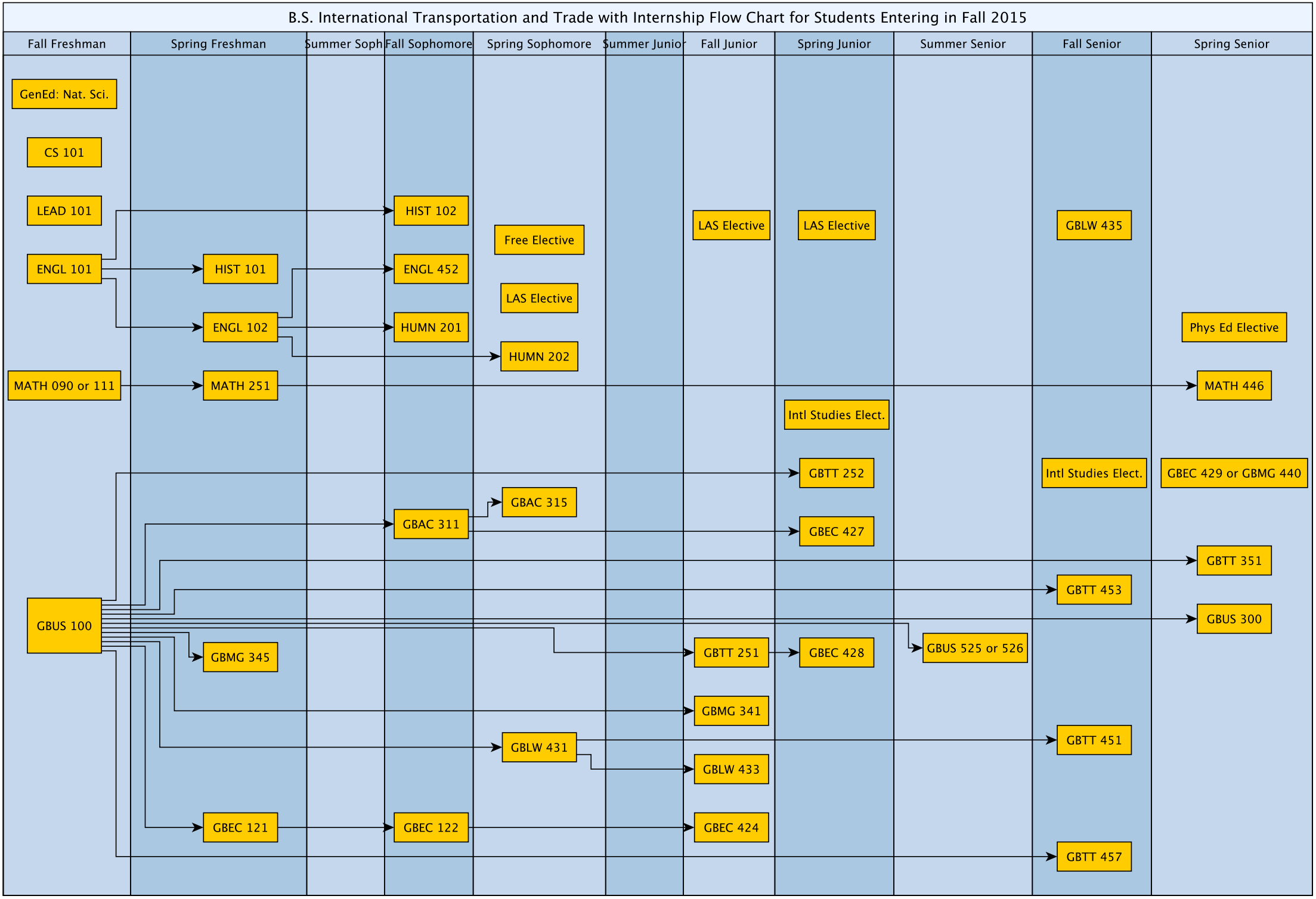
B.E. in Naval Architecture with Engine License - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year

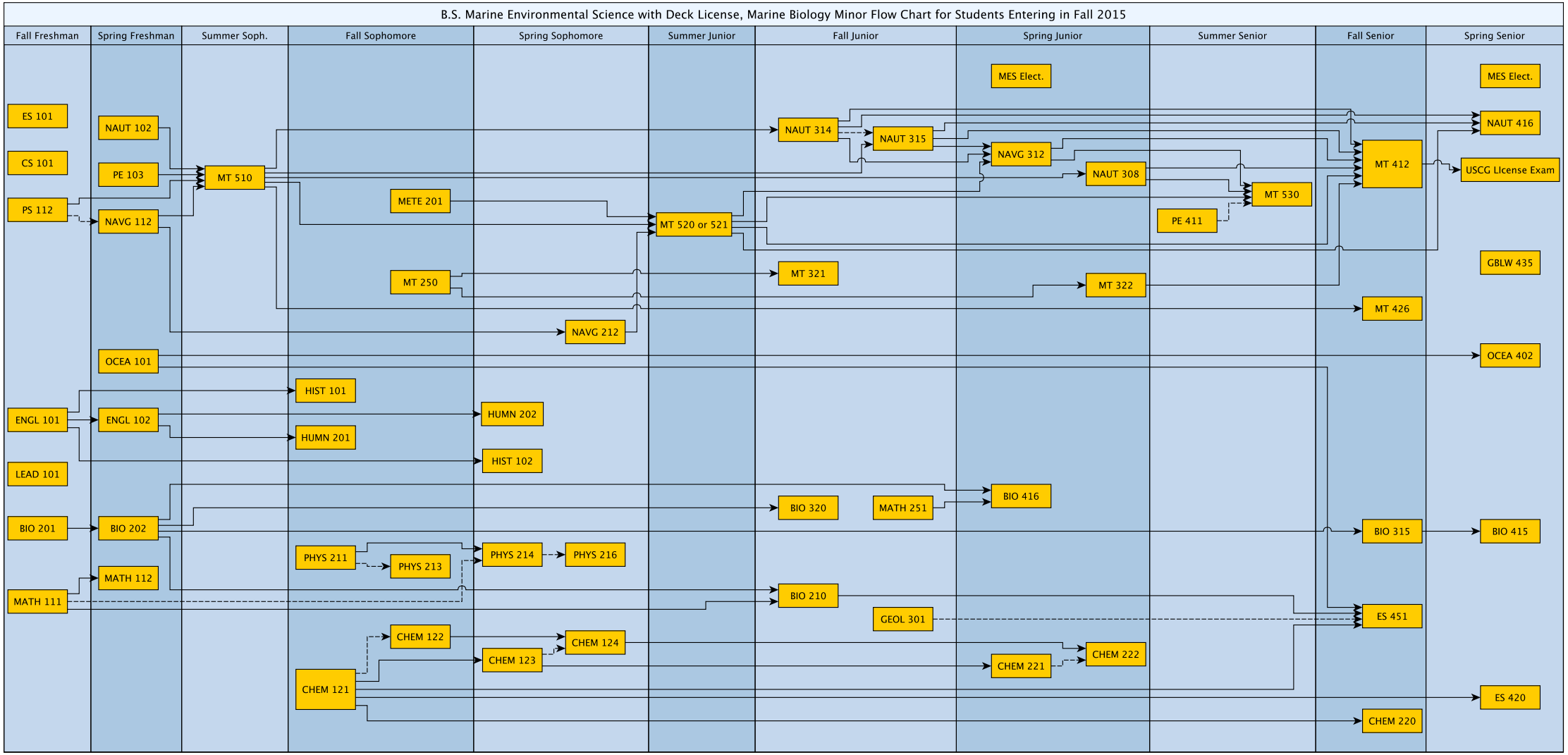


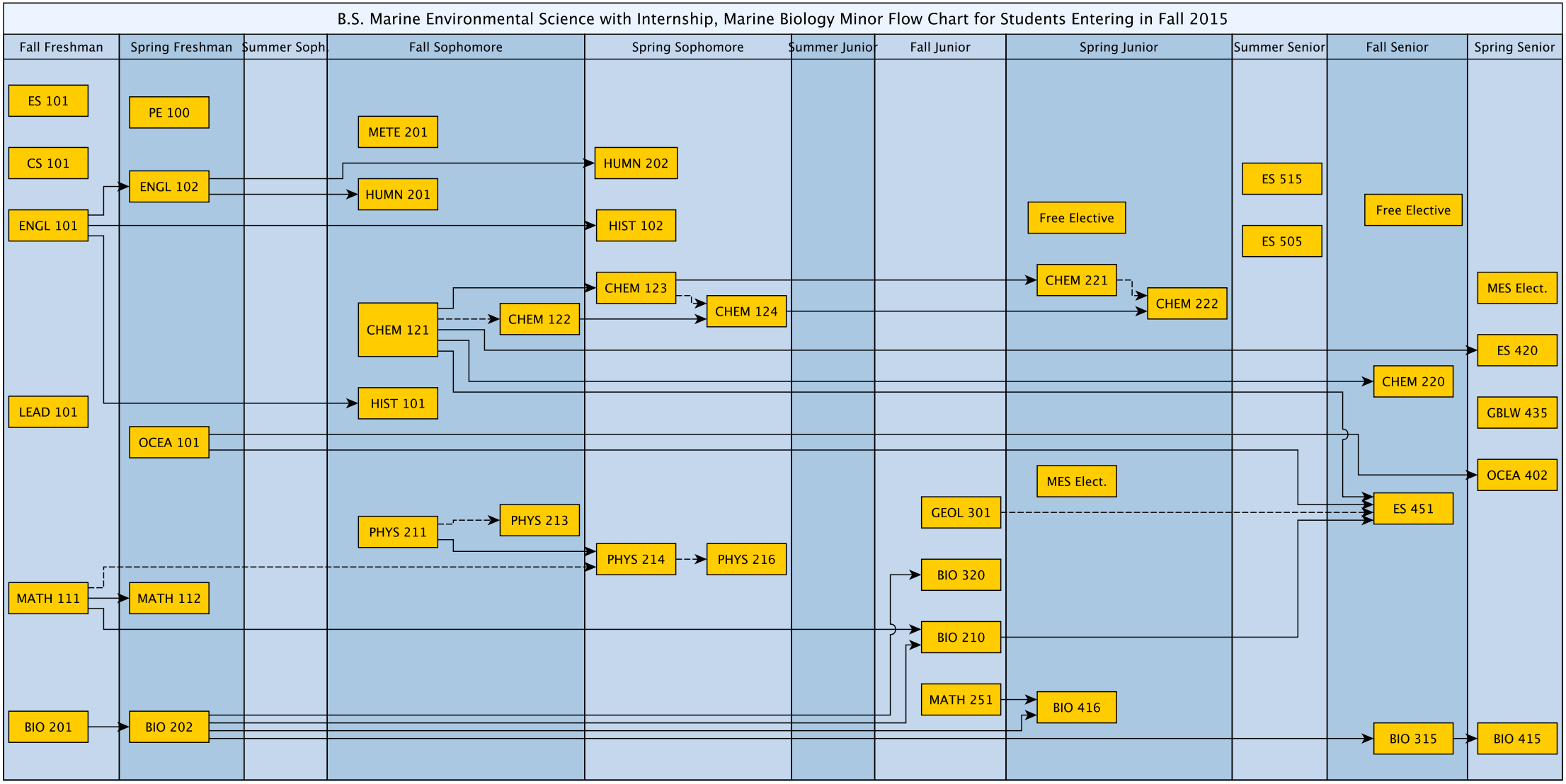
Note: ENGR 244 is no longer a prerequisite for ENGR 341

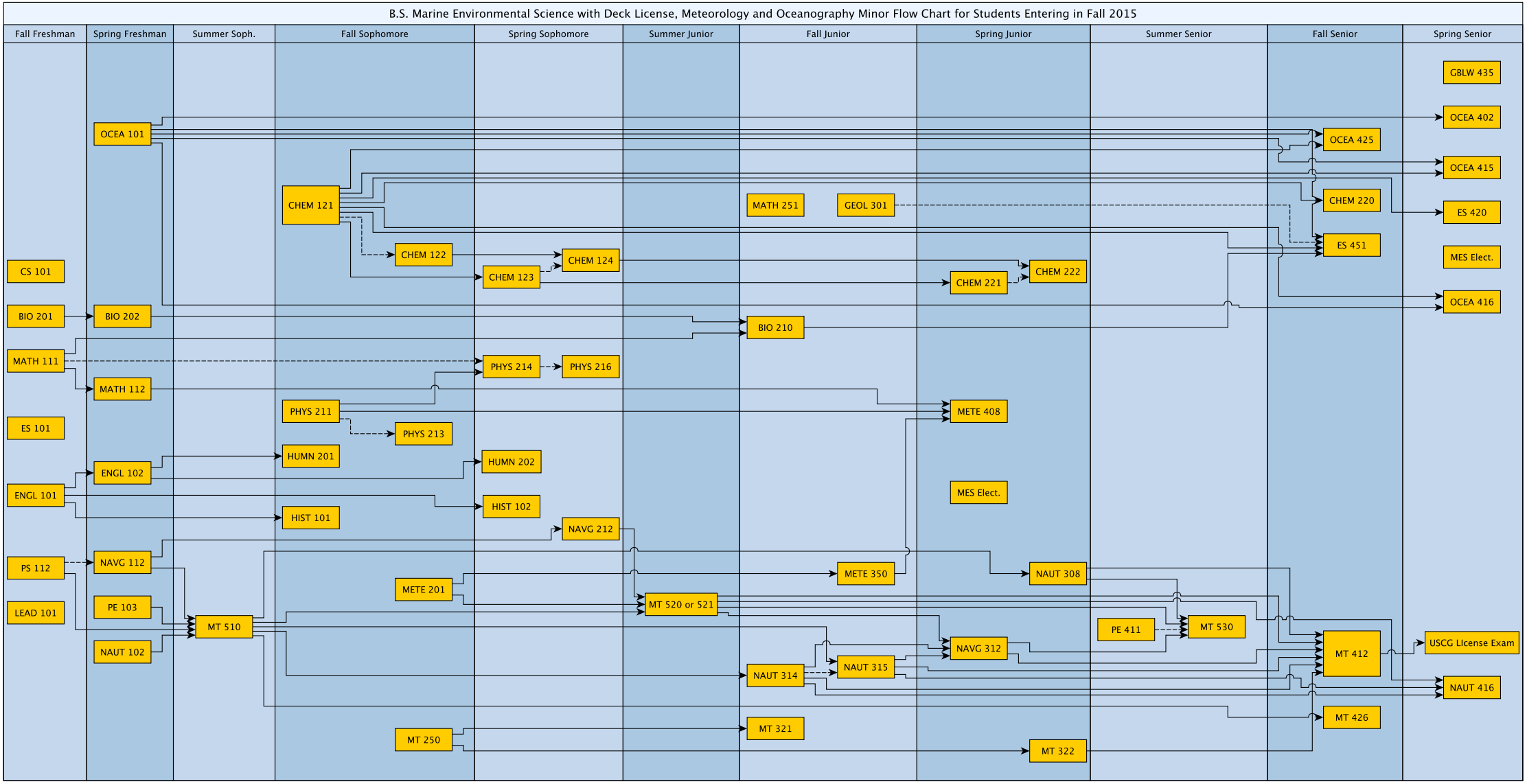
B.E. in Naval Architecture with Internship - Flow Chart for students entering SUNY Maritime College during the 2015-16 academic year

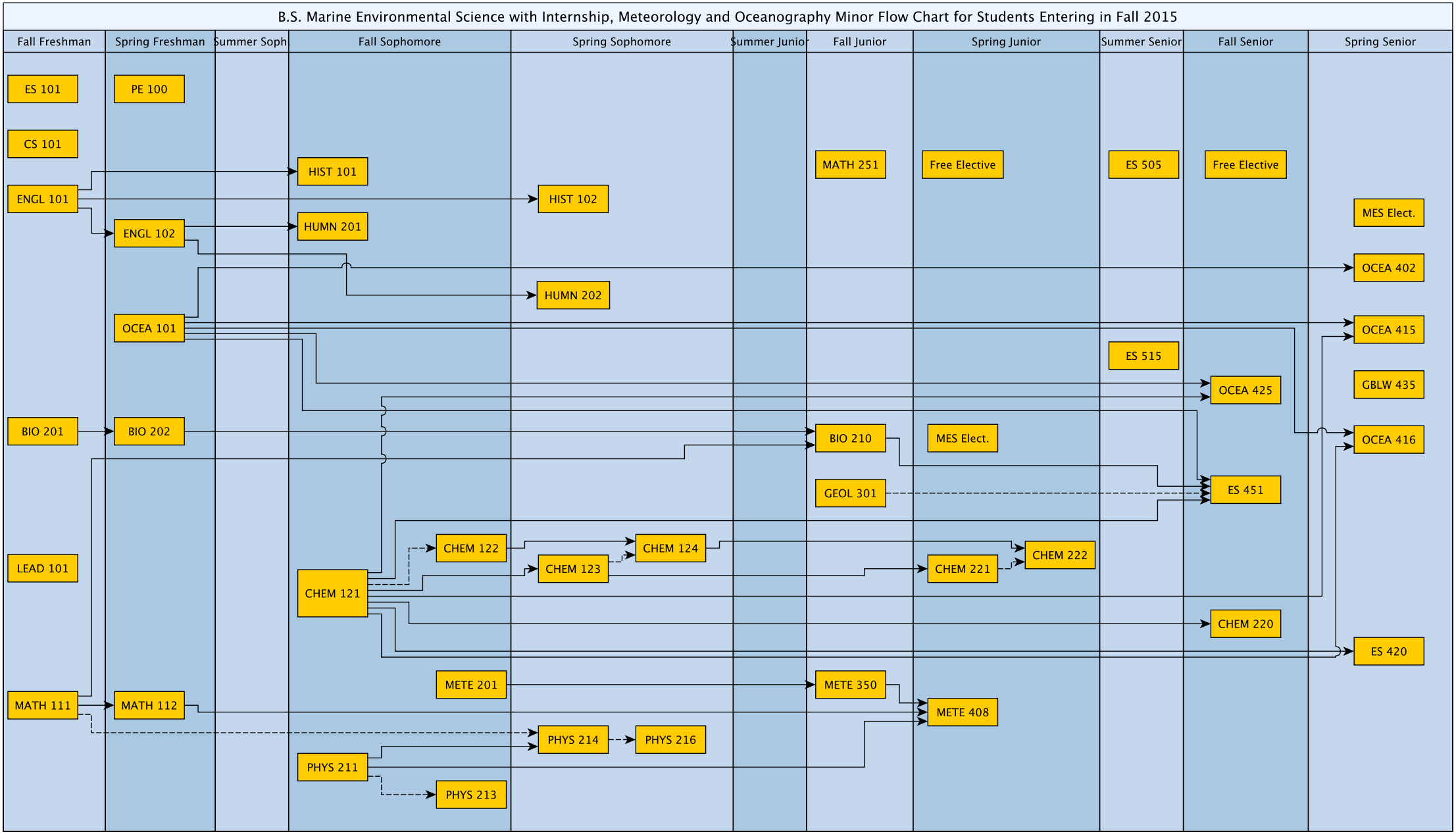


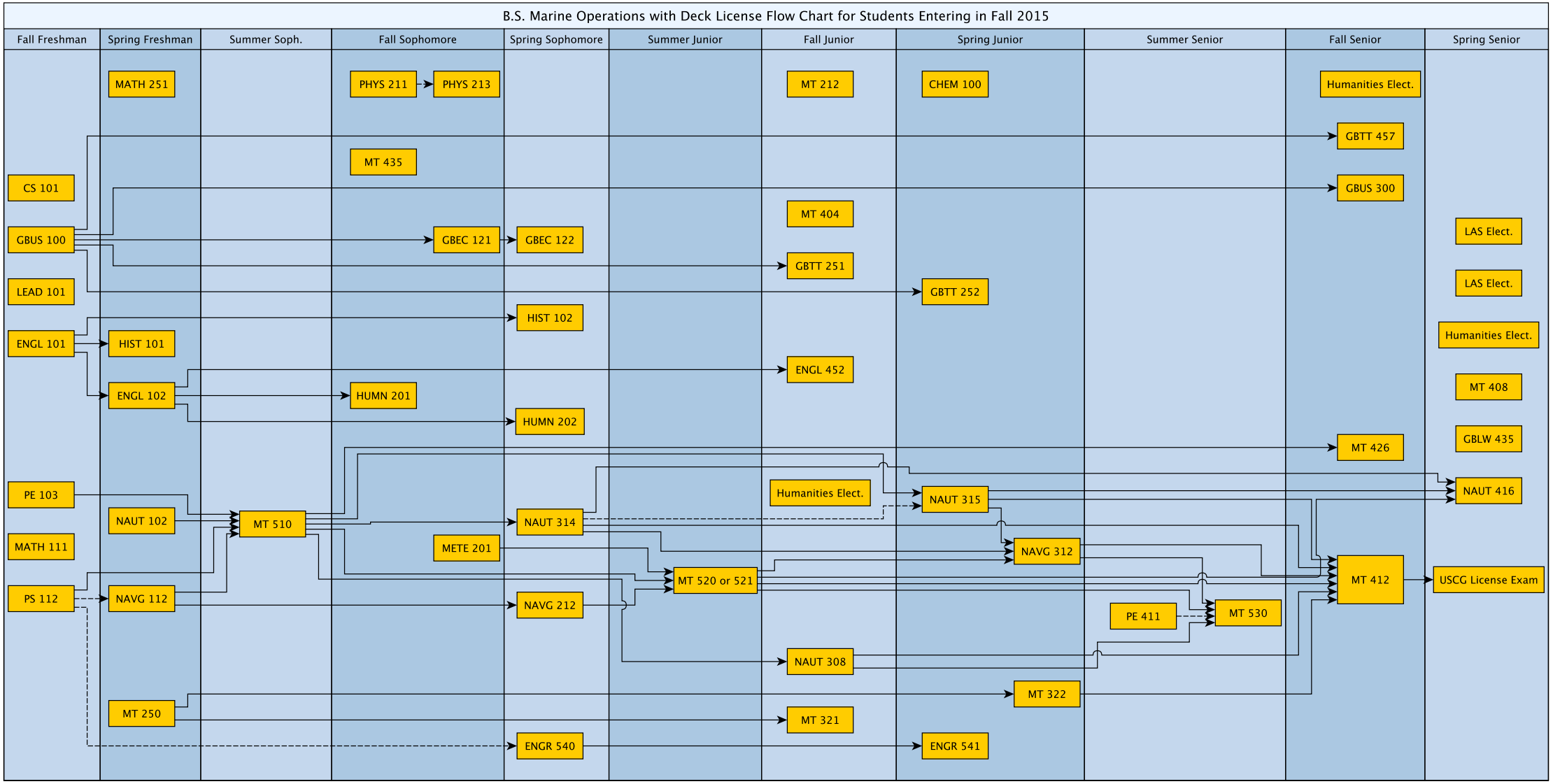

B.S. International Transportation and Trade with Internship Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
GenEd: Nat. Sci.
CS 101
LEAD 101
ENGL 101
MATH 090 or 111
GBUS 100
HIST 101
ENGL 102
MATH 251
GBMG 345
GBEC 121
HIST 102
ENGL 452
HUMN 201
GBEC 122
Free Elective
LAS Elective
HUMN 202
GBAC 315
GBAC 311
GBLW 431
GBTT 251
GBMG 341
GBEC 424
LAS Elective
LAS Elective
Intl Studies Elect.
GBTT 252
GBEC 427
GBEC 428
GBUS 525 or 526
GBLW 435
Intl Studies Elect.
GBTT 453
GBTT 451
GBLW 433
GBTT 457
Phys Ed Elective
MATH 446
GBEC 429 or GBMG 440
GBTT 351
GBUS 300

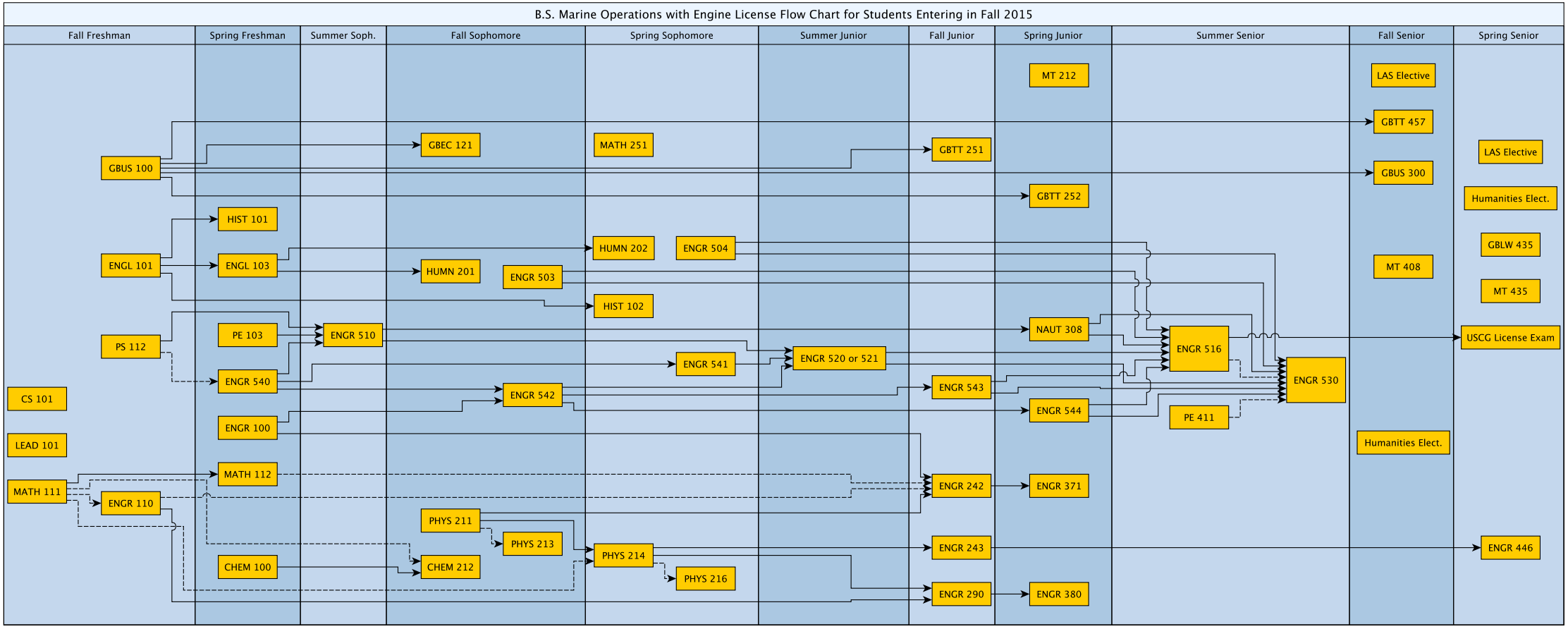

B.S. Marine Environmental Science with Deck License, Marine Biology Minor Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
ES 101
CS 101
PS 112
NAUT 102
PE 103
NAVG 112
MT 510
METE 201
MT 250
NAVG 212
MT 520 or 521
NAUT 314
NAUT 315
MT 321
MES Elect.
NAVG 312
NAUT 308
MT 322
PE 411
MT 530
MT 412
MES Elect.
NAUT 416
USCG LIcense Exam
GBLW 435
MT 426
OCEA 101
OCEA 402
ENGL 101
ENGL 102
LEAD 101
HIST 101
HUMN 201
HUMN 202
HIST 102
BIO 201
BIO 202
MATH 112
MATH 111
PHYS 211
PHYS 213
PHYS 214
PHYS 216
CHEM 121
CHEM 122
CHEM 123
CHEM 124
BIO 320
MATH 251
BIO 416
BIO 210
GEOL 301
CHEM 221
CHEM 222
BIO 315
BIO 415
ES 451
ES 420
CHEM 220

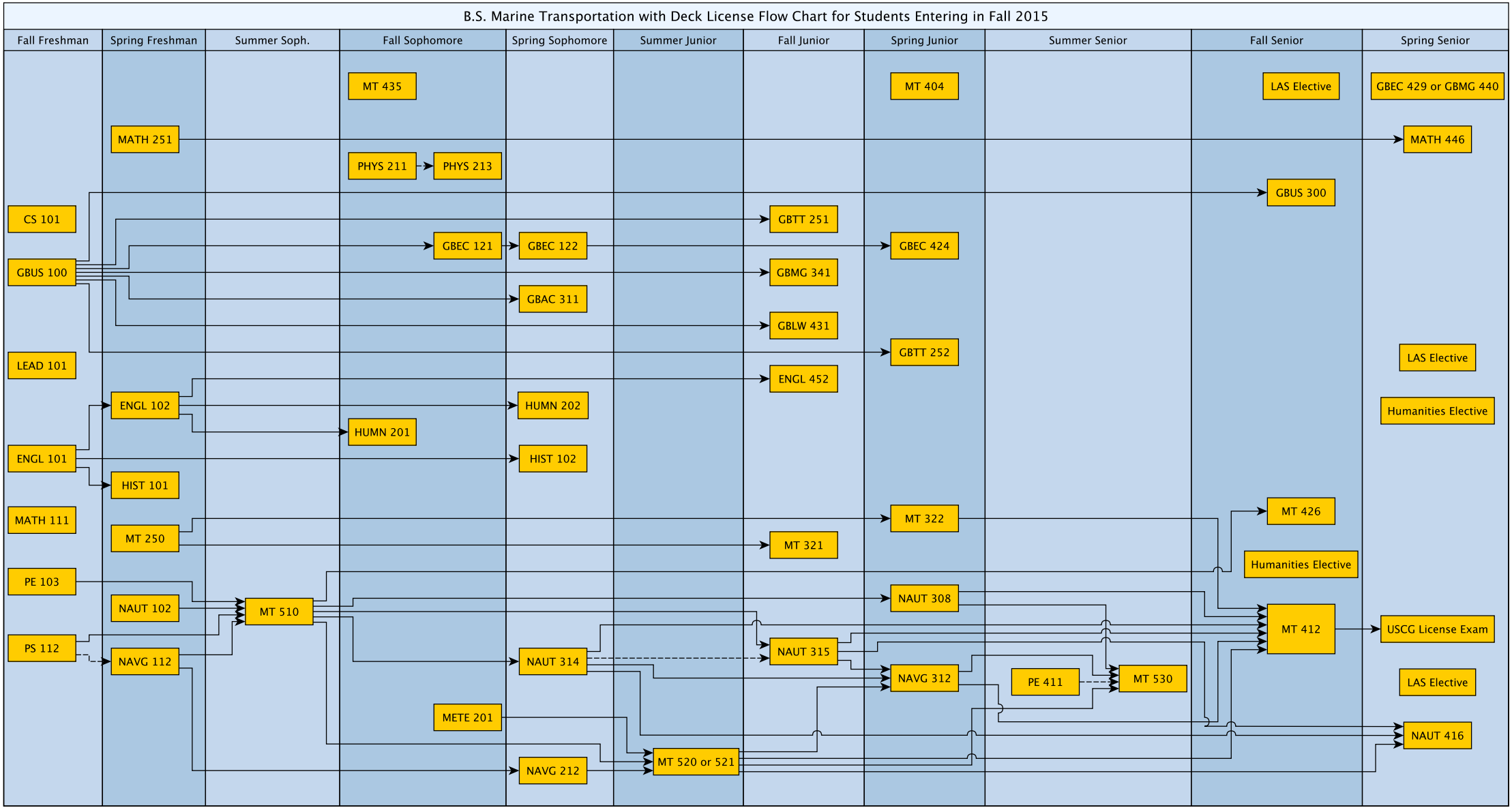

B.S. Marine Environmental Science with Internship, Marine Biology Minor Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
ES 101
CS 101
ENGL 101
LEAD 101
MATH 111
BIO 201
PE 100
ENGL 102
OCEA 101
MATH 112
BIO 202
METE 201
HUMN 201
HIST 101
CHEM 121
PHYS 211
HUMN 202
HIST 102
CHEM 123
CHEM 122
CHEM 124
PHYS 213
PHYS 214
PHYS 216
GEOL 301
BIO 320
BIO 210
MATH 251
BIO 416
Free Elective
CHEM 221
CHEM 222
MES Elect.
ES 515
ES 505
Free Elective
CHEM 220
ES 451
BIO 315
MES Elect.
ES 420
GBLW 435
OCEA 402
BIO 415

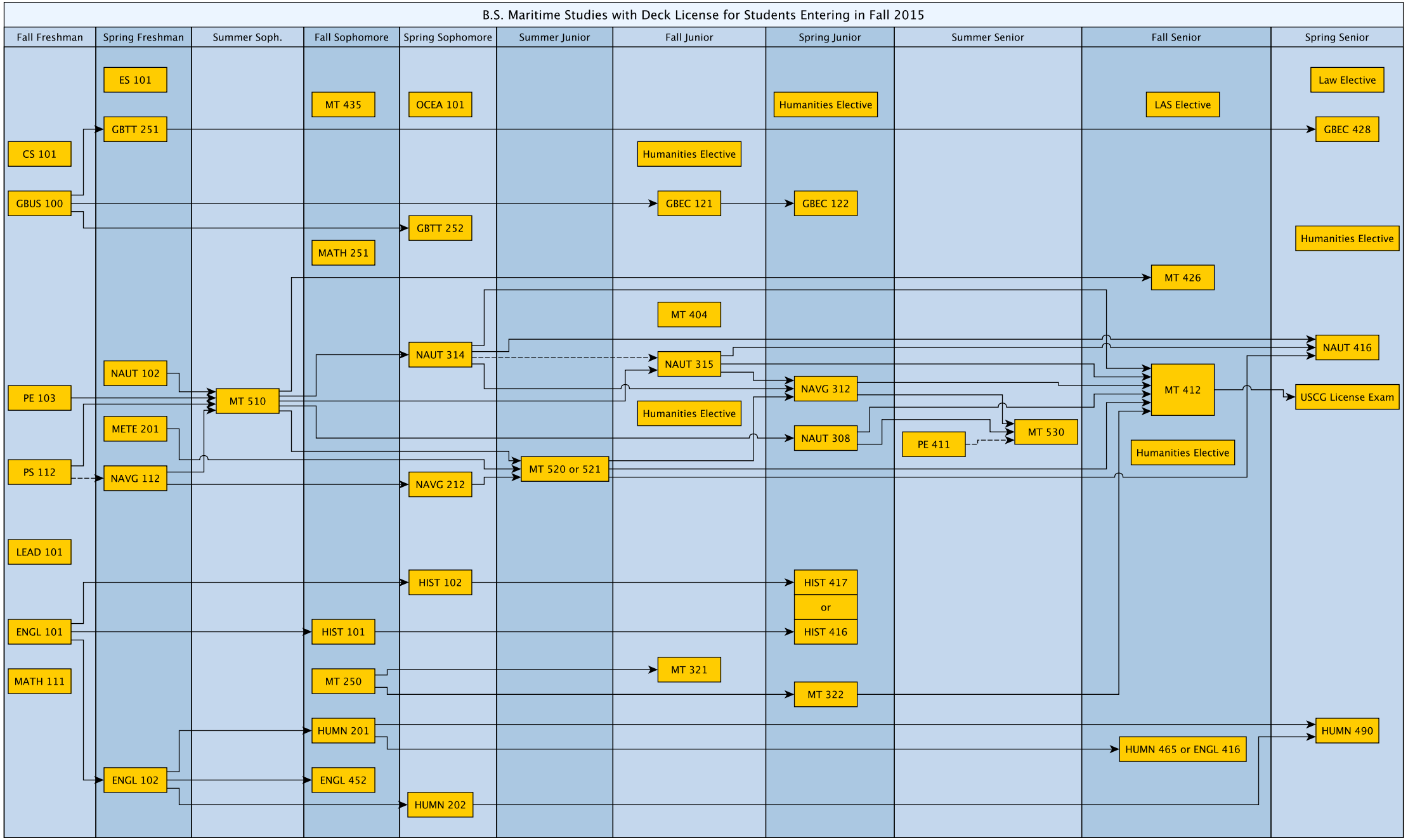

B.S. Marine Environmental Science with Deck License, Meteorology and Oceanography Minor Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
GBLW 435
OCEA 101
OCEA 402
OCEA 425
OCEA 415
CHEM 121
MATH 251
GEOL 301
CHEM 220
ES 420
ES 451
CHEM 122
CHEM 124
MES Elect.
CS 101
CHEM 123
CHEM 221
CHEM 222
BIO 201
BIO 202
OCEA 416
BIO 210
MATH 111
PHYS 214
PHYS 216
MATH 112
PHYS 211
METE 408
ES 101
PHYS 213
HUMN 201
HUMN 202
ENGL 102
MES Elect.
ENGL 101
HIST 102
HIST 101
NAVG 212
PS 112
NAVG 112
METE 350
NAUT 308
METE 201
MT 520 or 521
LEAD 101
PE 103
PE 411
MT 530
MT 510
NAVG 312
USCG LIcense Exam
MT 412
NAUT 102
NAUT 315
NAUT 314
NAUT 416
MT 426
MT 321
MT 250
MT 322

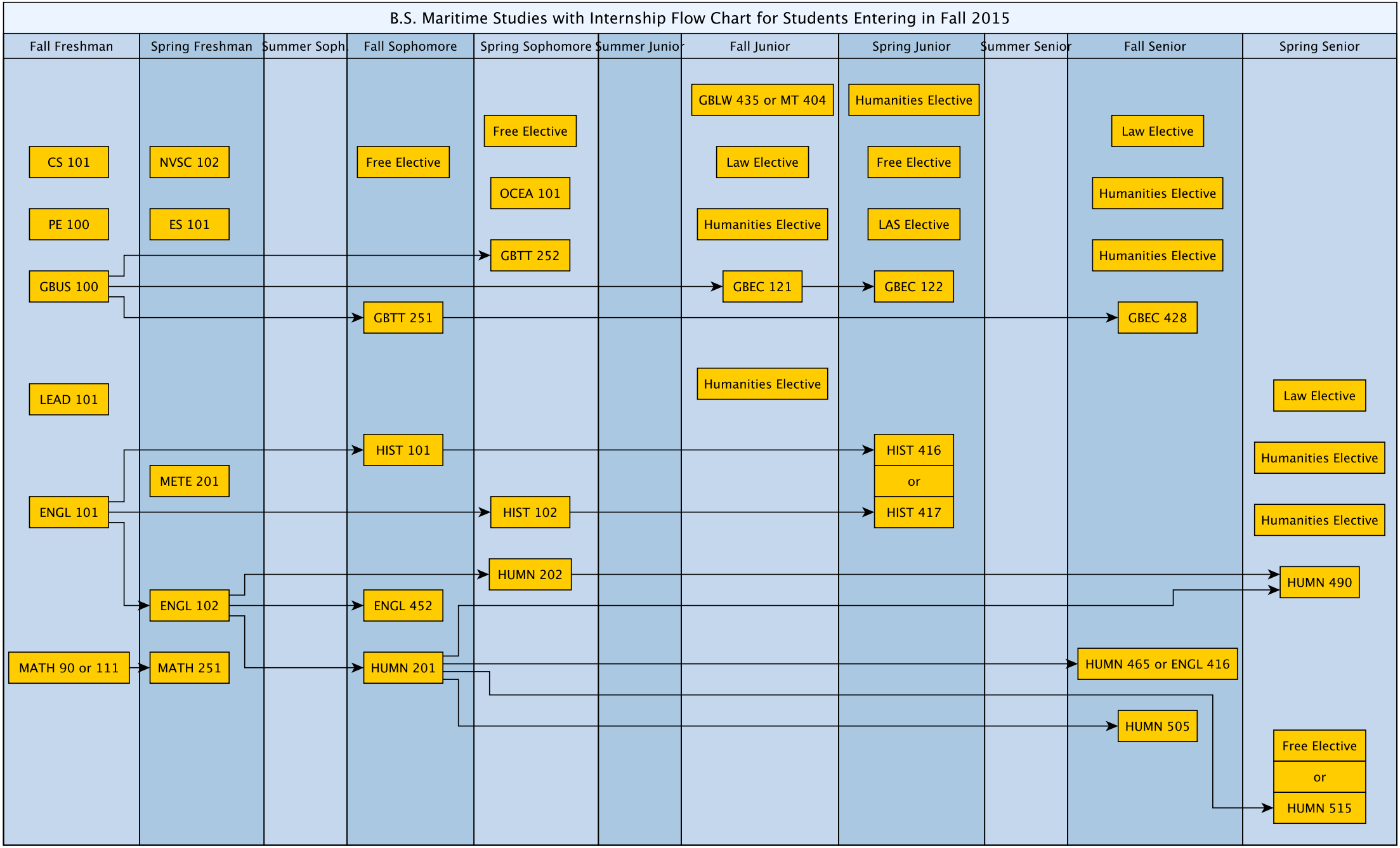

B.S. Marine Environmental Science with Internship, Meteorology and Oceanography Minor Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
ES 101
PE 100
CS 101
HIST 101
MATH 251
Free Elective
ES 505
Free Elective
ENGL 101
HIST 102
MES Elect.
ENGL 102
HUMN 201
OCEA 402
HUMN 202
OCEA 101
OCEA 415
ES 515
OCEA 425
GBLW 435
BIO 201
BIO 202
BIO 210
MES Elect.
OCEA 416
GEOL 301
ES 451
LEAD 101
CHEM 122
CHEM 124
CHEM 222
CHEM 123
CHEM 221
CHEM 121
CHEM 220
ES 420
METE 201
METE 350
MATH 111
MATH 112
METE 408
PHYS 214
PHYS 216
PHYS 211
PHYS 213


B.S. Marine Operations with Deck License Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
MATH 251
PHYS 211
PHYS 213
MT 212
CHEM 100
Humanities Elect.
GBTT 457
MT 435
CS 101
GBUS 300
MT 404
GBUS 100
GBEC 121
GBEC 122
LAS Elect.
GBTT 251
LEAD 101
GBTT 252
LAS Elect.
HIST 102
ENGL 101
HIST 101
Humanities Elect.
ENGL 452
ENGL 102
HUMN 201
MT 408
HUMN 202
GBLW 435
MT 426
PE 103
Humanities Elect.
NAUT 315
NAUT 416
NAUT 102
MT 510
NAUT 314
NAVG 312
MATH 111
METE 201
MT 520 or 521
MT 412
USCG License Exam
PS 112
NAVG 112
NAVG 212
PE 411
MT 530
NAUT 308
MT 322
MT 250
MT 321
ENGR 540
ENGR 541

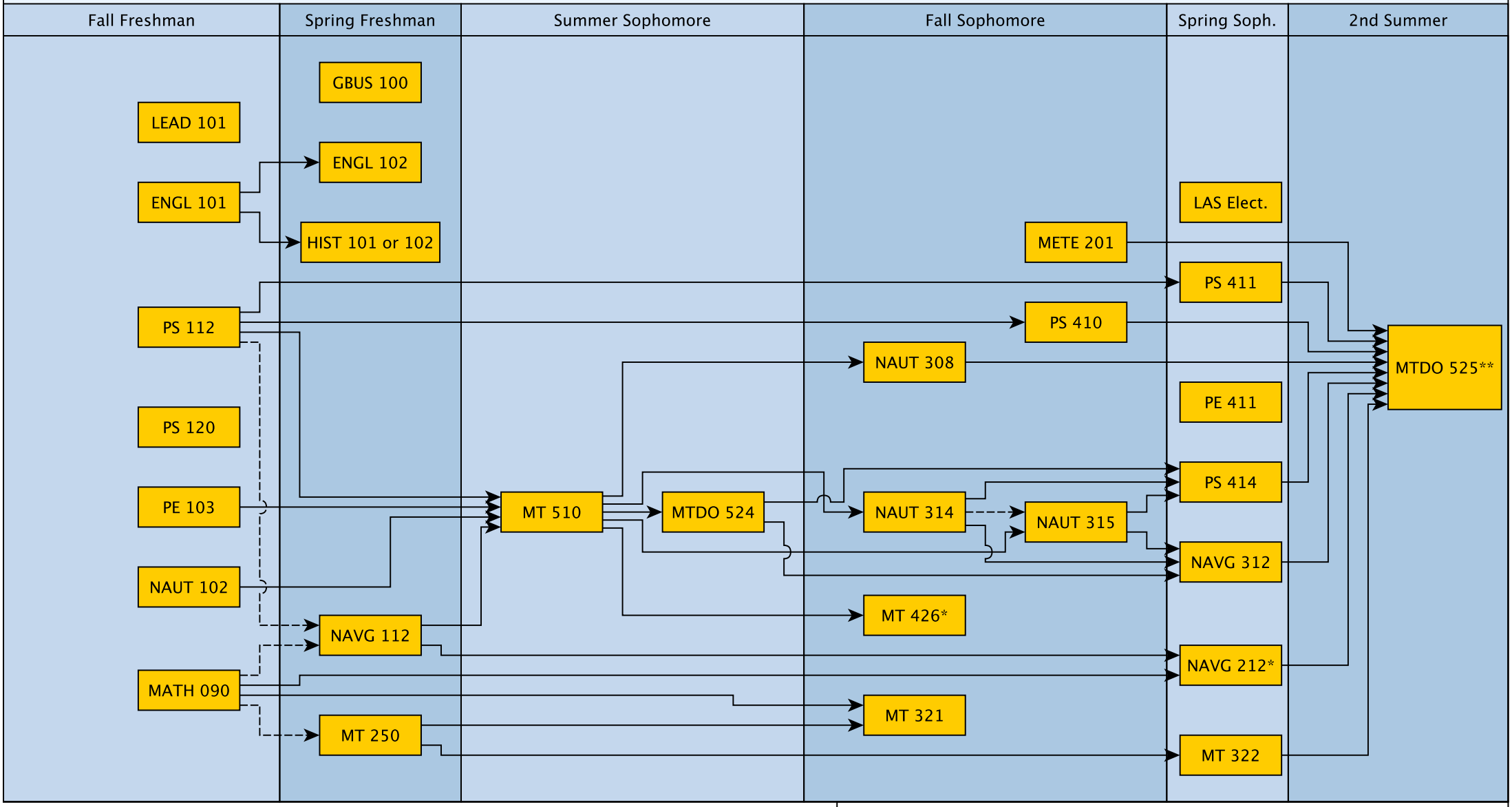

B.S. Marine Operations with Engine License Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
GBUS 100
ENGL 101
PS 112
CS 101
LEAD 101
MATH 111
HIST 101
ENGL 103
PE 103
ENGR 540
ENGR 100
MATH 112
ENGR 110
CHEM 100
ENGR 510
GBEC 121
HUMN 201
PHYS 211
PHYS 213
CHEM 212
MATH 251
HUMN 202
ENGR 503
HIST 102
ENGR 504
ENGR 541
ENGR 542
PHYS 214
PHYS 216
GBTT 251
ENGR 520 or 521
ENGR 543
ENGR 544
ENGR 242
ENGR 243
ENGR 290
MT 212
GBTT 252
NAUT 308
ENGR 371
ENGR 380
ENGR 516
ENGR 530
PE 411
LAS Elective
GBTT 457
GBUS 300
MT 408
Humanities Elect.
LAS Elective
Humanities Elect.
GBLW 435
MT 435
USCG License Exam
ENGR 446


B.S. Marine Transportation with Deck License Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
MT 435
MT 404
LAS Elective
GBEC 429 or GBMG 440
MATH 251
MATH 446
PHYS 211
PHYS 213
GBUS 300
CS 101
GBTT 251
GBEC 121
GBEC 122
GBEC 424
GBUS 100
GBMG 341
GBAC 311
GBLW 431
GBTT 252
LEAD 101
LAS Elective
ENGL 452
ENGL 102
HUMN 202
Humanities Elective
HUMN 201
ENGL 101
HIST 102
HIST 101
MATH 111
MT 322
MT 426
MT 250
MT 321
Humanities Elective
PE 103
NAUT 308
NAUT 102
MT 510
MT 412
USCG License Exam
PS 112
NAUT 315
NAUT 314
NAVG 312
PE 411
MT 530
NAVG 112
LAS Elective
METE 201
NAUT 416
MT 520 or 521
NAVG 212


B.S. Maritime Studies with Deck License for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
ES 101
GBTT 251
CS 101
GBUS 100
MT 435
OCEA 101
Humanities Elective
GBEC 121
GBEC 122
GBTT 252
MATH 251
Humanities Elective
LAS Elective
Law Elective
GBEC 428
Humanities Elective
MT 426
MT 404
NAUT 314
NAUT 315
NAUT 102
PE 103
MT 510
NAVG 312
Humanities Elective
NAUT 308
METE 201
PS 112
NAVG 112
MT 520 or 521
NAVG 212
PE 411
MT 530
MT 412
Humanities Elective
NAUT 416
USCG License Exam
LEAD 101
HIST 102
HIST 417
or
HIST 416
ENGL 101
HIST 101
MATH 111
MT 250
MT 321
MT 322
HUMN 201
HUMN 490
HUMN 465 or ENGL 416
ENGL 102
ENGL 452
HUMN 202


B.S. Maritime Studies with Internship Flow Chart for Students Entering in Fall 2015
Fall Freshman
Spring Freshman
Summer Soph.
Fall Sophomore
Spring Sophomore
Summer Junior
Fall Junior
Spring Junior
Summer Senior
Fall Senior
Spring Senior
CS 101
PE 100
GBUS 100
LEAD 101
ENGL 101
MATH 90 or 111
NVSC 102
ES 101
METE 201
MATH 251
ENGL 102
Free Elective
GBTT 251
HIST 101
ENGL 452
HUMN 201
OCEA 101
GBTT 252
Free Elective
HIST 102
HUMN 202
GBLW 435 or MT 404
Law Elective
Humanities Elective
GBEC 121
Humanities Elective
Free Elective
LAS Elective
GBEC 122
HIST 416
or
HIST 417
Humanities Elective
Free Elective
Law Elective
Humanities Elective
Humanities Elective
GBEC 428
HUMN 465 or ENGL 416
HUMN 505
Law Elective
Humanities Elective
Humanities Elective
HUMN 490
Free Elective
or
HUMN 515

A.A.S. Marine Technology: Small Vessel Operations with Deck Limited License Flow Chart for Students Entering in Fall 2015

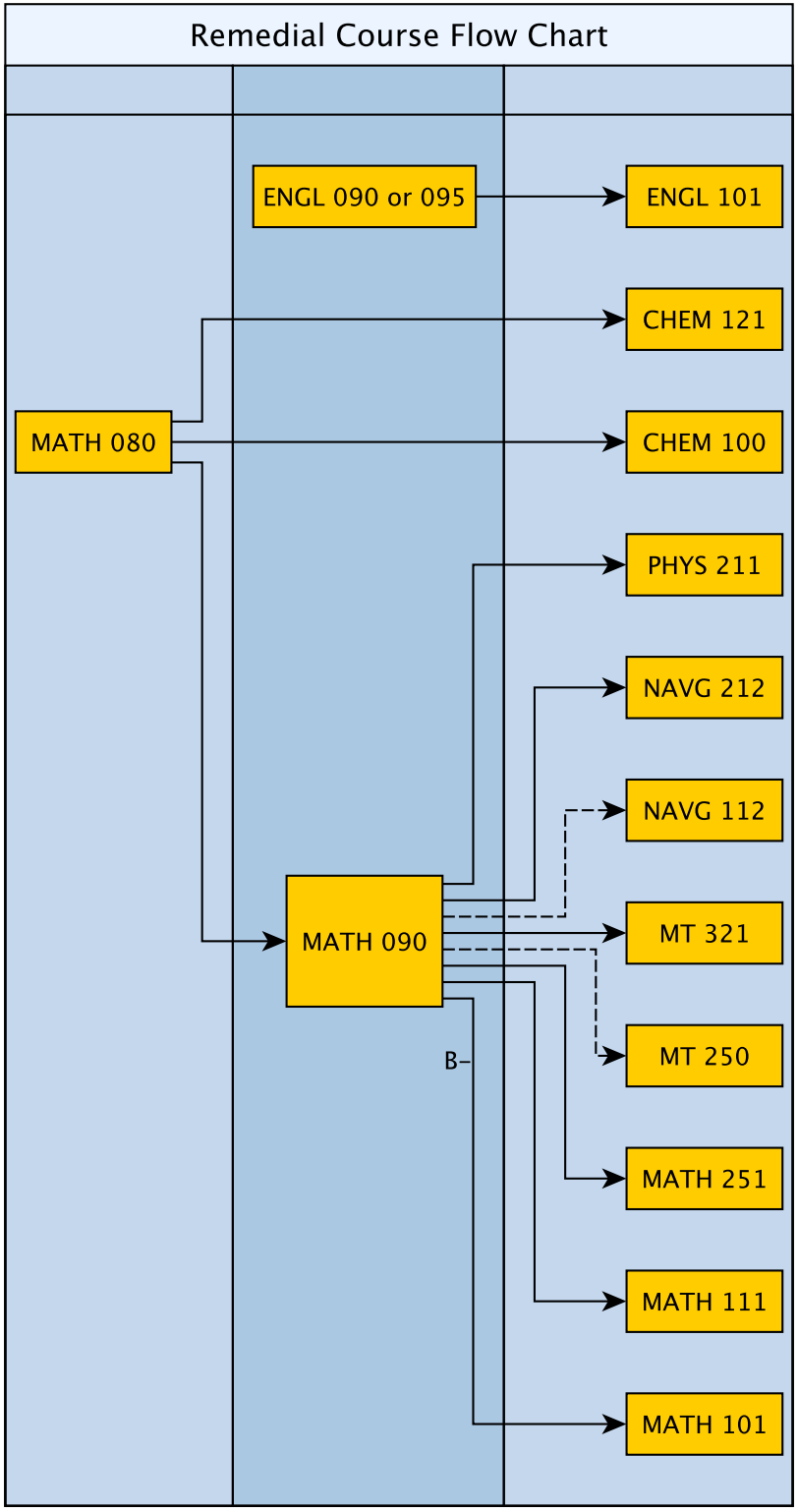


* required for Ocean Endorsement Option

** NAVG 212 is a prerequisite for MTDO 525 only with Ocean Endorsement Option

A.A.S. Marine Technology: Small Vessel Operations with Asst Engineer Lmtd Lic. Flow Chart for Students Entering in Fall 2015

Fall Freshman	Spring Freshman	Summer Soph.	Fall Sophomore	Spring Sophomore	2nd Summer
ENGL 101	ENGL 102		HIST 101 or 102		
MATH 090	MATH 251				
ENGR 503	ENGR 504		MT 250	MT 322	
GBUS 100					
LEAD 101	ENGR 100		ENGR 542	ENGR 541	
PS 112	ENGR 540		NAUT 308	ENGR 563	
PE 103	PHYS 211 or CHEM 100		ENGR 510	ENGR 562	
			PS 410	PE 411	
			ENGR 561	MTEO 521	MTEO 522 → MTEO 523
				MTEO 201	


Remedial Course Flow Chart
ENGL 090 or 095
ENGL 101
CHEM 121
MATH 080
CHEM 100
PHYS 211
NAVG 212
NAVG 112
MATH 090
MT 321
B–
MT 250
MATH 251
MATH 111
MATH 101