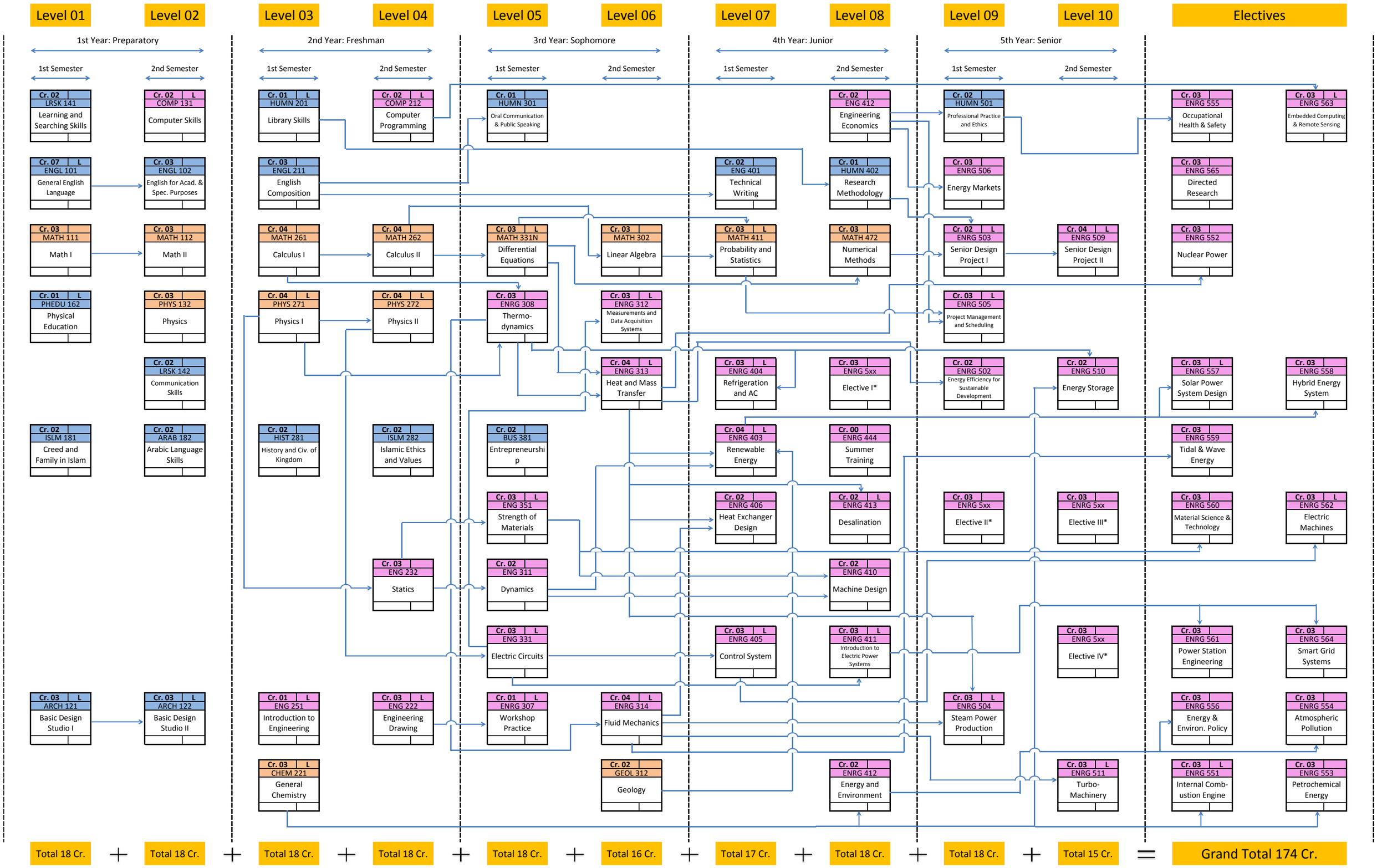
Level 01
Level 02
Level 03
Level 04
Level 05
Level 06
Level 07
Level 08
Level 09
Level 10
Electives
1st Year: Preparatory
2nd Year: Freshman
3rd Year: Sophomore
4th Year: Junior
5th Year: Senior
1st Semester
2nd Semester
Cr. 02 LRSK 141 Learning and Searching Skills
Cr. 02 L COMP 131 Computer Skills
Cr. 01 L HUMN 201 Library Skills
Cr. 02 L COMP 212 Computer Programming
Cr. 01 HUMN 301 Oral Communication & Public Speaking
Cr. 02 ENG 412 Engineering Economics
Cr. 02 HUMN 501 Professional Practice and Ethics
Cr. 03 ENRG 555 Occupational Health & Safety
Cr. 03 L ENRG 563 Embedded Computing & Remote Sensing
Cr. 07 L ENGL 101 General English Language
Cr. 03 ENGL 102 English for Acad. & Spec. Purposes
Cr. 03 ENGL 211 English Composition
Cr. 02 ENG 401 Technical Writing
Cr. 01 HUMN 402 Research Methodology
Cr. 03 ENRG 506 Energy Markets
Cr. 03 ENRG 565 Directed Research
Cr. 03 MATH 111 Math I
Cr. 03 MATH 112 Math II
Cr. 04 MATH 261 Calculus I
Cr. 04 MATH 262 Calculus II
Cr. 03 L MATH 331N Differential Equations
Cr. 03 MATH 302 Linear Algebra
Cr. 03 L MATH 411 Probability and Statistics
Cr. 03 MATH 472 Numerical Methods
Cr. 02 L ENRG 503 Senior Design Project I
Cr. 04 L ENRG 509 Senior Design Project II
Cr. 03 ENRG 552 Nuclear Power
Cr. 01 L PHEDU 162 Physical Education
Cr. 03 PHYS 132 Physics
Cr. 04 L PHYS 271 Physics I
Cr. 04 L PHYS 272 Physics II
Cr. 03 ENRG 308 Thermo-dynamics
Cr. 03 L ENRG 312 Measurements and Data Acquisition Systems
Cr. 03 L ENRG 505 Project Management and Scheduling
Cr. 02 LRSK 142 Communication Skills
Cr. 04 L ENRG 313 Heat and Mass Transfer
Cr. 03 L ENRG 404 Refrigeration and AC
Cr. 03 ENRG 5xx Elective I*
Cr. 02 ENRG 502 Energy Efficiency for Sustainable Development
Cr. 02 ENRG 510 Energy Storage
Cr. 03 L ENRG 557 Solar Power System Design
Cr. 03 ENRG 558 Hybrid Energy System
Cr. 02 ISLM 181 Creed and Family in Islam
Cr. 02 ARAB 182 Arabic Language Skills
Cr. 02 HIST 281 History and Civ. of Kingdom
Cr. 02 ISLM 282 Islamic Ethics and Values
Cr. 02 BUS 381 Entrepreneurship
Cr. 04 L ENRG 403 Renewable Energy
Cr. 00 ENRG 444 Summer Training
Cr. 03 ENRG 559 Tidal & Wave Energy
Cr. 03 L ENG 351 Strength of Materials
Cr. 02 ENRG 406 Heat Exchanger Design
Cr. 02 L ENRG 413 Desalination
Cr. 03 ENRG 5xx Elective II*
Cr. 03 ENRG 5xx Elective III*
Cr. 03 ENRG 560 Material Science & Technology
Cr. 03 L ENRG 562 Electric Machines
Cr. 03 ENG 232 Statics
Cr. 02 ENG 311 Dynamics
Cr. 02 ENRG 410 Machine Design
Cr. 03 L ENG 331 Electric Circuits
Cr. 03 L ENRG 405 Control System
Cr. 03 L ENRG 411 Introduction to Electric Power Systems
Cr. 03 ENRG 5xx Elective IV*
Cr. 03 ENRG 561 Power Station Engineering
Cr. 03 ENRG 564 Smart Grid Systems
Cr. 03 L ARCH 121 Basic Design Studio I
Cr. 03 L ARCH 122 Basic Design Studio II
Cr. 01 L ENG 251 Introduction to Engineering
Cr. 03 L ENG 222 Engineering Drawing
Cr. 01 L ENRG 307 Workshop Practice
Cr. 04 L ENRG 314 Fluid Mechanics
Cr. 03 L ENRG 504 Steam Power Production
Cr. 03 ENRG 556 Energy & Environ. Policy
Cr. 03 ENRG 554 Atmospheric Pollution
Cr. 03 L CHEM 221 General Chemistry
Cr. 02 GEOL 312 Geology
Cr. 02 ENRG 412 Energy and Environment
Cr. 03 L ENRG 511 Turbo-Machinery
Cr. 03 L ENRG 551 Internal Comb-ustion Engine
Cr. 03 ENRG 553 Petrochemical Energy
Total 18 Cr. + Total 18 Cr. + Total 18 Cr. + Total 18 Cr. + Total 18 Cr. + Total 16 Cr. + Total 17 Cr. + Total 18 Cr. + Total 18 Cr. + Total 15 Cr. = Grand Total 174 Cr.