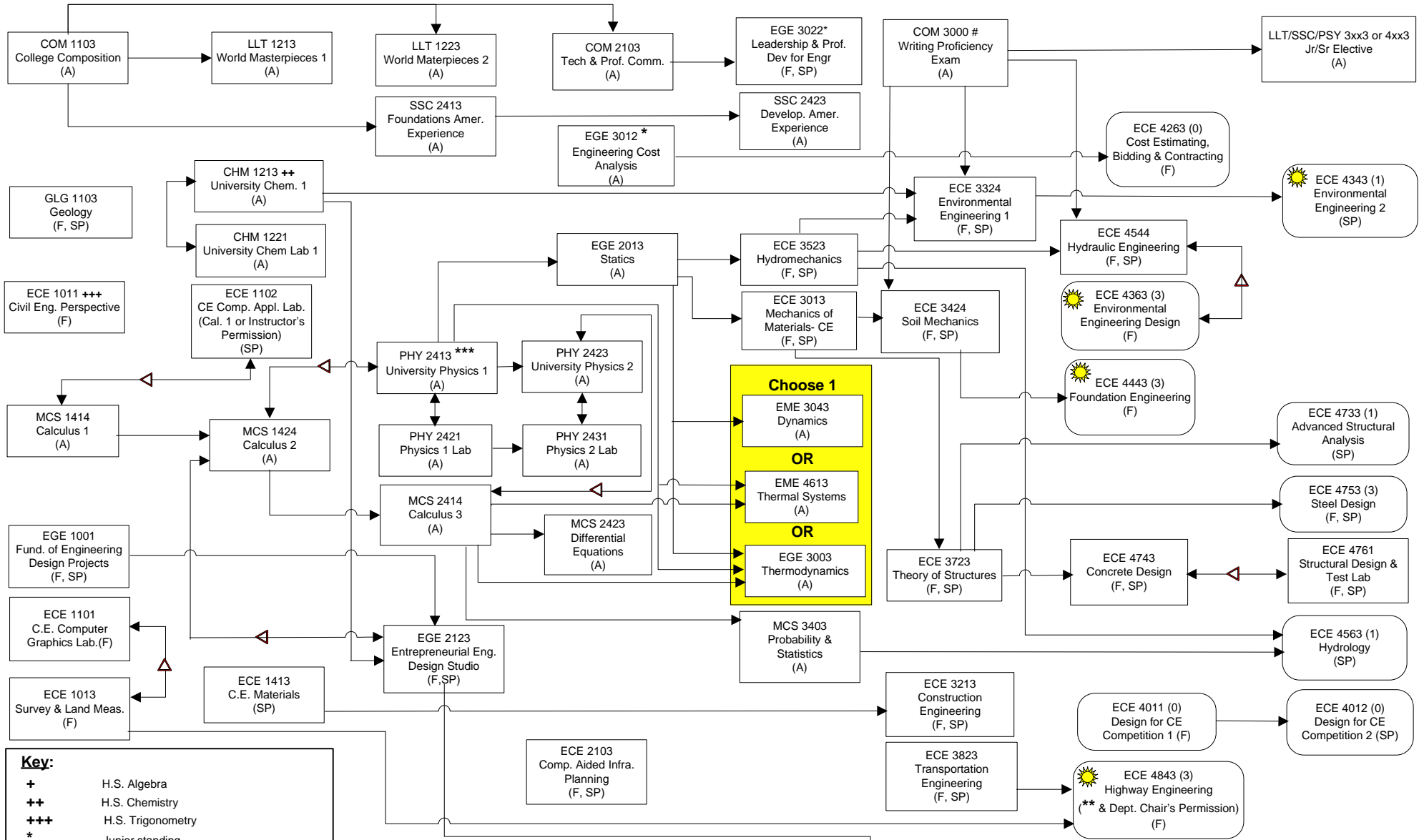


Freshman Year

Sophomore Year

Junior Year

Senior Year



Key:

- + H.S. Algebra
- ++ H.S. Chemistry
- +++ H.S. Trigonometry
- * Junior standing
- ** Senior standing
- *** PHY1154 or Placement Test required
- # Completion of three of the following: LLT1213, LLT1223, SSC2413 & SSC2423
- ⚡ Crossover

1 ←→ 2 Course 2 may be taken concurrently with 1 (or Course 1 may be taken without 2)

1 ↔ 2 Courses 1 & 2 must be taken concurrently

Technical Elective (TE) Courses Criteria:

(a) TE courses are indicated by boxes with Rounded Corners. Select Four TE courses giving a total TE credits of least 12.

(b) The selected Four TE courses MUST have a Total Design Credits equal to or exceed 7. Design Credits are indicated by the number in (...) to the right side of each TE course number.

(c) The selected Four TE courses MUST include at least ONE course with the icon ☀

Semester Hours:

Freshman	0 – 20
Sophomore	30 – 59
Junior	60 – 89
Senior	=> 90

emYuen, Ph.D., P.E.
Effective: June 2017

ECE 4051 Ethics & Prof Issues (** or Dept. Chair's permission) (F, SP)

ECE 4243 ** Construction Project Management (F, SP)

ECE 4011 (0) Design for CE Competition 1 (F)

ECE 4012 (0) Design for CE Competition 2 (SP)

ECE 4843 (3) Highway Engineering (** & Dept. Chair's Permission) (F)

ECE 4022 CE Design Project 1 (** & Dept. Chair's Permission) (F)

ECE 4032 CE Design Project 2 (** & Dept. Chair's Permission) (SP)

Department of Civil and Architectural Engineering
Course Completion Log
Bachelor of Science in Civil Engineering (132 credits)

Student Name _____ Advisor _____
 Student No. _____ Semester/Year of Entry _____

Course Number & Title	Grade
Freshman Year - 1st Semester	
COM1103 College Comp {ALL}	
EGE1001 Fund. of Engr Design Project {F, SP}	
ECE1101 CE Computer Graphics Lab {F}	
MCS1414 Calculus 1 {ALL}	
ECE1011 CE Perspectives {F}	
ECE1013 Surveying & Land Measure {F}	
GLG1103 Geology {F, SP}	

Sophomore Year - 1st Semester	
EGE2423 Entrep. Engr. Dsn. Studio {F, SP}	
LLT1223 World Masterpieces 2 {ALL}	
PHY2413 University Physics 1 {ALL}	
PHY2421 University Physics 1 Lab {ALL}	
MCS2414 Calculus 3 {ALL}	
SSC2413 Foundation of Amer. Exp. {ALL}	

Junior Year - 1st Semester	
SSC2423 Devel. of Amer. Exp. {ALL}	
ECE3523 Hydromechanics {F, SP}	
ECE3013 Mechanics of Mat'ls for CE {F, SP}	
EGE3003 Thermodynamics {ALL}; OR Dynamics {ALL}; OR Intro to Therm.	
EME4613 Syst. (Non-ME) {ALL}	
MCS3403 Probability & Statistics {ALL}	
EGE3022 Leadership & Prof. Dev. for Engr.	

Senior Year - 1st Semester	
ECE4022 CE Design Project 1 {F}	
ECE4743 Concrete Design {F, SP}	
ECE4544 Hydraulic Engineering {F, SP}	
ECE4051 Ethics & Prof. Issues {F, SP}	

Technical Electives (12 Credits)

Numbers in parenthesis are design credits, which should total 7	
ECE4263 Cost Estimating (0) {F}	
ECE4443 Foundation Engr (3) {F}	
ECE4363 Environ. Engr. Design (3) {F}	
ECE4843 Highway Engr. (3) {F}	
ECE4011 CE Design Competition 1 (0) {F}	

Substitutions

Course Number & Title	Grade
Freshman Year - 2nd Semester	
LLT1213 World Masterpieces 1 {ALL}	
ECE1413 CE Materials {SP}	
ECE1102 CE Comp. Appl Lab {SP}	
MCS1424 Calculus 2 {ALL}	
CHM1213 University Chemistry 1 {ALL}	
CHM1221 University Chemistry 1 Lab {ALL}	

Sophomore Year - 2nd Semester	
COM2103 Tech. & Prof. Comm. {ALL}	
EGE2013 Statics {ALL}	
PHY2423 University Physics 2 {ALL}	
PHY2431 University Physics 2 Lab {ALL}	
MCS2423 Differential Equations {ALL}	
ECE2103 Comp. Aided Infra. Planning {F, SP}	
EGE3012 Engineering Cost Analysis {ALL}	

Junior Year - 2nd Semester	
ECE3424 Soil Mechanics {F, SP}	
ECE3723 Theory of Structures {F, SP}	
ECE3823 Transportation Engr. {F, SP}	
ECE3324 Environmental Engr. 1 {F, SP}	
ECE3213 Construction Engineering {F, SP}	
<i>Note: Take WPE on completion of three of the following:</i>	
LLT1213, LLT1223, SSC2413 & SSC2423	
COM3000 Writing Proficiency Exam {ALL}	

Senior Year - 2nd Semester	
ECE4032 CE Design Project 2 {SP}	
ECE4761 Structural Dsn Test Lab {F, SP}	
ECE4243 Construction Project Mgmt. {F, SP}	
LLT/SSC/PSY 3xx3/4xx3 Jr/Sr Elective {ALL}	

ECE4343 Environmental Engr. 2 (1) {SP}	
ECE4563 Hydrology (1) {SP}	
ECE4733 Adv. Struct. Analysis (1) {SP}	
ECE4753 Steel Design (3) {F, SP}	
ECE4012 CE Design Competition 2 (0) {SP}	
