## CIVIL ENGINEERING CURRICULUM CLASS OF 2025 and after

CALISS General Chemistry II (4 or)	Faculty Advisor	Student Name			Student Number		Class Year		
PH112 Fund, Physics I (4 cr)	FRESHMAN – FALL		Semester	Grade	FRESHMAN – SPRING			Semester	Grade
UNIV190 Clarkson Seninari	CM131 General Chemistry I (4 cr)				CM132 General Chemistry II (4 cr)				
DAILY DESCRIPTION SEGMENT   SETTIFIC   SETTIFICATION   SETTIFICATION   SOPHOMORE - SPRING	PH131 Fund. Physics I (4 cr)				PH132 Fund. Physics II (4 cr)				
ESIDO Intro. Computer (2 cr)   ESIDO Intro. Engineering Design (F)	UNIV190 Clarkson Seminar <sup>1</sup>				ES110 Engineering & Society <sup>1</sup>				
SOPHOMORE - FAIL	MA131 Calculus I				MA132 Calculus II				
ES222 Strength of Materials   ES222 Strength of Materials   ES220 States   ES22	FY/PE100 First Year Seminar (0 cr)				ES100 Intro. Computer (2 cr)				
ES20 Statics	SOPHOMORE – FALL				SOPHOMORE - SPRING				
Elective - KA / UC	CE212 Intro. Engineering Design (F) <sup>2</sup>	1.5 / C1			ES222 Strength of Materials				
MA232 Differential Equations   ES Elective   ES223 (recommended)   ES Elective   ES223 (recommended)   ES Elective   ES223 (recommended)   ES Elective   ES223 (recommended)   ES Elective   ES226 (recommended)   ES226 (recommended)   ES Elective   ES226 (recommended)   ES Elective   ES226 (recommended)   ES226 (recommen	ES220 Statics				CE305 Construction Plan. & Mgmt. (S)		1		
Es Elective	Elective – KA / UC				ES330 Fluid Mechanics				
DINIOR & SENIOR YEARS	MA231 Calculus III				MA232 Differential Equations				
Elective	CE301 Intro. Geospatial Analysis	TECH			ES Elective ES22	3 (recommended)			
ES Elective   ES260 (recommended)   CE340 Intro. Environmental Eng. (S)   1		•	Jt	JNIOR & SE	ENIOR YEARS			•	
Estetive   Estetive	Elective – KA / UC				CE310 Geotechnical Eng. (S)		1 / C1		
CE320 Structural Analysis (F)	ES Elective ES260 (recommended)				CE340 Intro. Environmental E	ing. (S) 1			
CE30 Structural Analysis (F)	ES Elective ES250 or ES340				Elective – KA / UC				
CE330 Water Resources Eng. I	CE320 Structural Analysis (F)	1 / C1				Design (S) OR	3		
Castruction Engineering   Construction Engineering   Management   CE415   CE416   CE416   CE417   CE	CE330 Water Resources Eng. I	1 / C1			<u> </u>				
Carrier   Carr	STAT383 Probability & Statistics				PROFESSIONAL CONCENTRATIONS (optional)				
CE441	EC350 Econ. Principles / Eng. Econ. <sup>3</sup>	EC				Structural Engineering		Water Resources Engineering	
Prof. Elective         One of the following: <sup>5</sup>	Science Elective <sup>4</sup>								
Prof. Elective         □ OM451; □ COMM217 (C2); □ LW466; □ CE448; □ CE445; □ CE435; □ CE340; □ CE301; □ CE301; □ CE302; □ CE501; □ CE512; □ CE521; □ CE321; □ C	Prof. Elective							□ CE490 (C1) with water resources focus	
Prof. Elective       □ EHS330; □ FN361;       □ CE448; □ CE452; □ CE53;       □ CE308 (C1); □ CE1         Prof. Elective       AND completion of one track       □ CE538; □ CE51; □ CE521; □ CE521; □ CE434 (STS/C1); □ CI         Prof. Elective       Two of the following.³       □ CE505; □ CE404; □ CE408; □ CE404;         Prof. Elective       □ CE406; □ CE408; □ CE410;       □ CE408; □ CE410;         Prof. Elective       □ CE408; □ CE408; □ CE410;       □ CMM428 (CGI/STS)         Prof. Elective       □ CE304; □ CE408; □ CE408;       □ EV305 (C1); □ PHIL370 (STS/C1);         Prof. Elective       □ CE304; □ CE404; □ CE408;       □ EV305 (C1); □ PHIL370 (STS/C1);         □ CE304; □ CE409; □ CE410; □ CE408;       □ EV305 (C1); □ PHIL370 (STS/C1);         □ POL375 (CGI);       □ POL375 (CGI);         □ POL375 (CGI);       □ POL375 (CGI);         □ POL375 (CGI);       □ POL376 (CSI);         □ POL375 (CGI);       □ POL375 (CGI);         □ POL376 (STS/C1)       □ POL376 (STS/C1)         □ POL376 (STS/C1)       □ POL376 (CSI);         □ CE409; □ CE410; □ CE448       □ CE448; □ CE48; □ CE481 (C1);         □ CE304; □ CE408;       □ EV305 (C1);         □ POL376 (CGI/STS/C1);       □ POL376 (CGI/STS/C1);         □ POL376 (CGI/STS/C1);       □ POL376 (CGI/STS/C1);         □ POL376 (CGI/STS/C1);       <	Prof. Elective				□ OM451; □ COMM217 (C2);		445; □ CE315; □ CE340; 453; □ CE380 (C1);		
AND completion of one track   Construction   Infrastructure   Two of the following.5   CE538; □ CE541; □ CE549; □ CE482   CE555   □ CE482   □ CE482   □ CE555   □ CE482   □ CE482   □ CE482   □ CE482   □ CE482   □ CE483   □ CE484   □ CE483   □ CE484   □ CE4	Prof. Elective					□ CE448; □ CE452; □ CE4			
Prof. Elective         Two of the following: <sup>5</sup> □ CE304; □ CE305; □ CE404; □ CE406; □ COMM428 (CGI/STS); □ CE406; □ POL374 (CGI/STS/C1 □ POL376 (CGI/STS/C1 □ POL375 (CGI); □ POL375 (CGI); □ POL376 (CGI/STS/C1 □ POL376 (CGI/ST	Prof. Elective				•	□ CE538; □ CE541; □ CE5	549; 🗖 CE	□ CE478; □ CE481 (C1);	
Prof. Elective       □ CE406; □ CE408; □ CE410; □ BY431; □ COMM428 (CGI/STS);         Prof. Elective       Architectural / Building       □ E5436 (CGI/STS); □ E5436 (CGI/STS);         Optional: CE499 FE Exam Review (0 cr)       □ CE409; □ CE404; □ CE408; □ CE408; □ PHIL370 (STS/C1); □ PHIL370 (STS/C1); □ POL375 (CGI); □ POL375 (CGI); □ POL470 (STS/C1)         ES499 Prof. Experience (0 cr)       □ CE409; □ CE410; □ CE448       □ POL470 (STS/C1)         CLARKSON COMMON EXPERIENCE (KA/UC) CHECKLIST       CEE DESIGN CR □ (16.5 requir         At least 4 of 6 Knowledge Areas       CivE Req.²	Prof. Elective				Two of the following:5				
Prof. Elective       Architectural / Building       □ E5436 (CGI/STS);         Two of the following:5       □ E5439 FE Exam Review (0 cr)       □ CE304; □ CE408;       □ CE408;       □ PHIL370 (STS/C1);       □ PHIL370 (STS/C1);       □ POL374 (CGI/STS/C1)       □ POL375 (CGI);       □ POL375 (CGI);       □ POL470 (STS/C1)       □ CE409;       □ POL470 (STS/C1)	Prof. Elective				□ CE406; □ CE408; □ CE410;		□ BY	□ BY431;	
Optional: CE499 FE Exam Review (0 cr)  CE304; □ CE404; □ CE408; □ POL474 (CGI/STS/C1) □ POL375 (CGI); □ POL470 (STS/C1)  CE409; □ CE410; □ CE448  CLARKSON COMMON EXPERIENCE (KA/UC) CHECKLIST □ POL470 (STS/C1)  CED DESIGN CR □ (16.5 requir (16.5 requir	Prof. Elective				Architectural / Building		□ ES	□ ES436 (CGI/STS);	
ES499 Prof. Experience (0 cr)  OTHER COURSES (not counted toward degree requirements)  CLARKSON COMMON EXPERIENCE (KA/UC) CHECKLIST  CEE DESIGN CR  CivE Req.7	Optional: CE499 FE Exam Review (0 cr)				□ CE304; □ CE404; □ CE408;		□ POL374 (CGI/STS		
(not counted toward degree requirements)  At least 4 of 6 Knowledge Areas  CivE Req.7	ES499 Prof. Experience (0 cr)								)
At least 4 of 6 Knowledge Areas CivE Req. <sup>7</sup>				CLARKSON COMMON EXPERIENCE (KA/UC) CHECKLIST					
□CGI □CSO ⊠EC □IA □IG ⊠STS								12.5	
One course with two Knowledge Areas (UC)									
					ABC123 Sem KA1 KA2 Four additional Knowledge Area courses				
<sup>1</sup> Transfers replace with KA/UC elective, if not credited.				· ·		ŀ	COMM. I	POINTS	
<sup>3</sup> Transfers replace with EC200, if credited with EC150 or EC151.					□ EC350			□ (6.0 re	quired)
<sup>4</sup> Any BY course (3 credits or greater), CE315, CE316, or course designated by CEE Chair. <sup>5</sup> Or course designated by CEE Chair.  CivE Req. <sup>7</sup> CivE Req. <sup>7</sup>		Or course designated by CEE Chair.				Sem KA1		CivE Req. <sup>7</sup>	6.0
*CE445, CE501, CE512, CE521, CE538, CE541, CE549 are offered infrequently.					□ ABC123	Sem KA1			