	THIS	PROGRAM PLAN IS FOR GUIDANO	JE UNLY. G	KADUA I ION RI	EQUIREMENTS	ARE FOUND IN CATALOGS.	
		Engineering Major General Education			C	Civil Engineering	
		Fall Semester				Spring Semester	
m [Code	Name	Hrs.] Sem [Code	Name	Hr
	MATH 235	Calculus I	4	2	MATH 236	Calculus II	4
	PHYS 231	Introductory Physics I	4		PHYS 232	Introductory Physics II	4
	ENGR 101 CORE 101	Introduction to Engineering First Year Seminar	1 4		ENGR 131	Engineering Graphics and CAD	4
	LANG.	Foreign Language	4		ENGW	Writing (0-4)	2
		То	<i>tal</i> 17			Total	1
[MATH 333	Differential Equations	4	4	MATH 237	Calculus III	4
	PHYS 334	Computer Modeling of Physical	2		ENGR 202	Engineering Mechanics II -	2
	ENGR 201	Systems Engr. Mechanics I - Statics	4		SELECT	Dynamics Thematic Core (1 of 3)	2
	BITH 211	Old Testament Literature	4		BITH	New Testament Literature	2
	SELECT	Visual & Performing Arts (1 of 2)	2		COMM	Oral Communication (0-2)	2
		Toi	<i>tal</i> 16			Total	1
ſ	ENGR 204	Innovativo Docign in Engr	4	6		Engineering Ethics Constant	2
	ENGR 204 ENGR 223	Innovative Design in Engr. Strength of Materials	4	0	ENGR 394 BITH	Engineering Ethics Capstone Christian Thought	2
	CHEM 231	General Chemistry Advanced Seminar (with 1	4		SELECT	Visual & Performing Arts (2 of 2)	2
	CORE 3xx	Thematic Core tag)	4		SELECT	Thematic Core (2 of 3)	2
					SELECT	Thematic Core (3 of 3)	4
		Τοι	<i>tal</i> 16			Total	1
		years 1 - 3 credit hours	s = 99				
		All courses b	elow this lin	e are based on	completion at I	IT	
		Geodetic Science (Surveying) Earth Environ Sci 3	3	8	CAE 303	Structural Design 1	3
	CAE 221 or	o o	3		CAE 307	Structural Design 2	3
		Intro. to Biology	0		ONL OUT		
	BIOL 105 or PHYS 360 CAE 302	Intro. to Biology Intro. to Astrophysics Fluid Mechanics & Hydraulics	3		CAE312	Engineering Systems Analysis	3
	PHYS 360 CAE 302	Intro. to Astrophysics Fluid Mechanics & Hydraulics	3		CAE312	Introduction to Geotechnical	
	PHYS 360 CAE 302 CAE 304	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1	3 3		CAE312 CAE 323	Introduction to Geotechnical Engineering	3
	PHYS 360 CAE 302	Intro. to Astrophysics Fluid Mechanics & Hydraulics	3		CAE312 CAE 323 IPRO	Introduction to Geotechnical Engineering IPRO Elective 1	3
	PHYS 360 CAE 302 CAE 304	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1	3 3 3		CAE312 CAE 323	Introduction to Geotechnical Engineering	3
	PHYS 360 CAE 302 CAE 304 CAE 315	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1 Materials of Construction Ton Transportation Engineering &	3 3 3	10	CAE312 CAE 323 IPRO	Introduction to Geotechnical Engineering IPRO Elective 1 CAE, ENVE or EG Elective 1	(((1
	PHYS 360 CAE 302 CAE 304 CAE 315 CAE 419	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1 Materials of Construction Transportation Engineering & Design	3 3 3 tal 15 3	10	CAE312 CAE 323 IPRO 400+ CAE 432	Introduction to Geotechnical Engineering IPRO Elective 1 CAE, ENVE or EG Elective 1 <i>Total</i> Concrete & Foundation Design	3 3 3 1
	PHYS 360 CAE 302 CAE 304 CAE 315 CAE 419 CAE 431	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1 Materials of Construction Tor Transportation Engineering & Design Steel Design	3 3 3 tal 15 3 3	10	CAE312 CAE 323 IPRO 400+ CAE 432 400+	Introduction to Geotechnical Engineering IPRO Elective 1 CAE, ENVE or EG Elective 1 Total Concrete & Foundation Design CAE, ENVE or EG Elective 2	3 3 1 3 3 3
	PHYS 360 CAE 302 CAE 304 CAE 315 CAE 419 CAE 431 CAE 457	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1 Materials of Construction Transportation Engineering & Design	3 3 tal 15 3 3 1 3	10	CAE312 CAE 323 IPRO 400+ CAE 432 400+ 400+	Introduction to Geotechnical Engineering IPRO Elective 1 CAE, ENVE or EG Elective 1 Total Concrete & Foundation Design CAE, ENVE or EG Elective 2 CAE, ENVE or EG Elective 3	3 3 3 1 3 3 3 3
	PHYS 360 CAE 302 CAE 304 CAE 315 CAE 419 CAE 419 CAE 431 CAE 457 CAE 470	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1 Materials of Construction Transportation Engineering & Design Steel Design Geotechnical Foundation Design	3 3 tal 15 3 1 3 3 3 3 3	10	CAE312 CAE 323 IPRO 400+ CAE 432 400+ 400+ CAE 495	Introduction to Geotechnical Engineering IPRO Elective 1 CAE, ENVE or EG Elective 1 Total Concrete & Foundation Design CAE, ENVE or EG Elective 2 CAE, ENVE or EG Elective 3 Senior Capstone	3 3 3 3 1 1 3 3 3 3 3 3
	PHYS 360 CAE 302 CAE 304 CAE 315 CAE 419 CAE 431 CAE 457	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1 Materials of Construction Transportation Engineering & Design Steel Design Geotechnical Foundation Design Construction Methods & Cost Estimating	3 3 tal 15 3 3 1 3	10	CAE312 CAE 323 IPRO 400+ CAE 432 400+ 400+ CAE 495 IPRO	Introduction to Geotechnical Engineering IPRO Elective 1 CAE, ENVE or EG Elective 1 Total Concrete & Foundation Design CAE, ENVE or EG Elective 2 CAE, ENVE or EG Elective 3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	PHYS 360 CAE 302 CAE 304 CAE 315 CAE 419 CAE 419 CAE 431 CAE 457 CAE 470	Intro. to Astrophysics Fluid Mechanics & Hydraulics Structural Analysis 1 Materials of Construction Transportation Engineering & Design Steel Design Geotechnical Foundation Design Construction Methods & Cost Estimating Intro. to Water Resources	3 3 3 tal 15 3 1 3 3 3 3	10	CAE312 CAE 323 IPRO 400+ CAE 432 400+ 400+ CAE 495	Introduction to Geotechnical Engineering IPRO Elective 1 CAE, ENVE or EG Elective 1 Total Concrete & Foundation Design CAE, ENVE or EG Elective 2 CAE, ENVE or EG Elective 3 Senior Capstone IPRO Elective 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

