

BACHELOR OF SCIENCE IN CIVIL ENGINEERING
UNIVERSITY OF SAN JOSE-RECOLETOS
MAGALLANES ST., CEBU CITY
(Effective 1998-1999)

ID NO.	
NAME	
ADVISER	
BATCH #	

FIRST YEAR

FIRST SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	EM 112	Plane Trigonometry	3	0	3	None	None
	EM 113	College Algebra	4	0	4	None	None
	EPS 110	General Chemistry 1 lec.	2	0	2	None	EPS 112
	EPS 112	General Chemistry 1 lab.	1	3	1	None	EPS 110
	ES 110	Computer Orientation	1	0	1	None	None
	DRAW111	Engineering Drafting 1	0	6	2	None	None
	ENGL 1	English Grammar & Composition 1	3	0	3	None	None
	THEO 1	The Creed	3	0	3	None	None
	PE 1	Physical Education 1	2	0	2	None	None
	MS/CWTS 1	Military Science/Civic Welfare Training Service 1	3	0	3	None	None
			22	9	24.0		

FIRST YEAR

SECOND SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	EM 120	Analytic Geometry	3	0	3	EM 112, EM113	None
	EM 121	Solid Geometry & Mensuration	2	0	2	EM 112, EM 113	None
	EM 122	Differential Calculus	4	0	4	EM 112, EM 113	EM 120
	EPS 120	General Chemistry 2 Lec	2	0	2	EPS 110, EPS 112	EPS 122
	EPS 122	General Chemistry 2 lab	0	3	1	EPS 110, EPS 112	EPS 120
	DRAW121	Eng'g Drafting 2 (CAD)	1	3	2	DRAW 111, ES 110	None
	ENGL 2	English Grammar & Composition 2	3	0	3	ENGL 1	None
	THEO 2	The Commandments & Morals	3	0	3	THEO 1	None
	PE 2	Physical Education 2	2	0	2	PE 1	None
	MS/CWTS 2	Military Science/Civic Welfare Training Service 2	3	0	3	MS/CWTS 1	None
			23	6	25.0		

SECOND YEAR

FIRST SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	EM 211	Integral Calculus	4	0	4	EM 120, EM121, EM122	None
	EPS 211	Engineering Physics 1 lec.	3	0	3	EM 112, EM113, EPS120, EPS 122, DRAW 121	EPS 212
	EPS 212	Engineering Physics 1 lab.	0	3	1	EM112, EM 113, EPS120, EPS122, DRAW121	EPS 211
	ENGL 3e	Technical Report Writing	3	0	3	ENGL 2	None
	THEO 3	The Bible	3	0	3	THEO 2	None
	POLSCI 1	Phil. Govt. & the New Cons. Including. Public Service	3	0	3	None	None
	PE 3	Physical Education 3	2	0	2	PE 2	None
			18	3	19.0		

SECOND YEAR

SECOND SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	EM 221	Differential Equations	3	0	3	EM 211	None
	EPS 221	Engineering Physics 2 lec.	3	0	3	EPS 211, EPS 212	EPS 222
	EPS 222	Engineering Physics 2 lab.	0	3	1	EPS 211, EPS 212	EPS 221
	ES 213	Computer Fundamentals & Programming	2	3	3	EM 211, ES 110	None
	GE 322	Taxation & Land Reform	3	0	3	2 nd Year Standing	None
	ENGL 3	Speech Improvements	3	0	3	ENGL 3e	None
	THEO 4	The Sacraments	3	0	3	THEO 3	None
	PE 4	Physical Education 4	2	0	2	PE 3	None
			19	6	21.0		

THIRD YEAR

FIRST SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	EM 311	Advanced Engineering Math	3	0	3	EM 221	None
	EPS 311	Engineering Geology	3	0	3	EPS 221, EPS 222	None
	EE 311	Circuits 1	3	0	3	EPS221, EPS 222, EM221	None
	ME 311	Thermodynamics	3	0	3	EPS221, EPS 222, EM211	None
	MECH311	Engineering Mechanics	5	0	5	EPS211, EPS 212, EM211	None
	CE 311	Elementary Surveying lec.	2	0	2	EM 112, EM 113	CE 312
	CE 312	Elementary Surveying lab.	0	3	1	EM 112, EM 113	CE 311
			19	3	20.0		

THIRD YEAR

SECOND SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	EM 313	Probability & Statistics	3	0	3	EM 211	None
	ES 411	Introduction to Environmental Eng'g.	3	0	3	EPS 120, EPS 122	None
	MECH321	Fluid Mechanics/Hydraulics 1	2	3	3	MECH 311	None
	MECH322	Strength of Materials	3	0	3	MECH 311	None
	CE 321	Higher Surveying lec.	2	0	2	CE 311, CE 312	CE 322
	CE 322	Higher Surveying lab.	0	3	1	CE 311, CE 312	CE 321
	PHILO 1	Logic	3	0	3	None	None
	RIZAL	Life & Works of Rizal	3	0	3	None	None
			19	6	21.0		

FOURTH YEAR

FIRST SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	CE 411	Soil Mechanics	3	3	4	MECH 311	None
	CE 412	Hydraulics 2	2	3	3	MECH 321, MECH 322	None
	CE 413	Theory of Structures 1	2	3	3	MECH 322	None
	CE 414	Route Surveying	2	3	3	CE 321, CE 322	None
	CE 415	Construction Materials & Testing	3	3	4	4 th Year Standing & MECH322	None
	FIL 1	Sining ng Pakikipagtalastasan	3	0	3	None	None
			15	15	20.0		

FOURTH YEAR

SECOND SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	ES 311	Engineering Economy	3	0	3	EM 211	None
	CE 422	Hydrology	3	0	3	CE 412, EM 313	None
	CE 423	Theory of Structures 2	2	3	3	CE 413	None
	CE 424	Highway Engineering	3	0	3	CE 414	None
	ENGL 23	Effective Communication	3	0	3	ENGL 3	None
	FIL 2	Pagbasa at Pagsulat sa Ibat-ibang Disiplina	3	0	3	FIL 1	None
	PSYCHO1	General Psychology	3	0	3	None	None
			20	3	21.0		

FIFTH YEAR

FIRST SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	ES 410	Engineering Management	3	0	3	4 th Year Level	None
	CE 510	Timber Design	1	3	2	CE 423	None
	CE 511	AutoCAD for CE	0	3	1	5 th Year Standing	None
	CE 512	CE Project	1	6	3	5 th Year Standing	None
	CE 514	Reinforced Concrete Design 1	2	3	3	CE 423	None
	CE 520	CE Laws, Contracts & Ethics	2	0	2	5 th Year Standing	None
	TE 1	Technical Elective 1	3	0	3	*	None
	TE 2	Technical Elective 2	3	0	3	*	None
			15	15	20.0		

FIFTH YEAR

SECOND SEMESTER

FG	COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	UNITS	PREREQUISITES	COREQUISITES
	CE 522	Steel Design	3	3	4	CE 423	None
	CE 523	Cons. Method & Project Mgt.	2	3	3	CE 512, 5 th Year Standing	None
	CE 525	Reinforced Concrete Design 2	2	3	3	CE 514	None
	TE 3	Technical Elective 3	3	0	3	*	None
	TE 4	Technical Elective 4	3	0	3	*	None
	OJT	On-the-Job Training **	2	0	2	5 th Year Standing	None
			15	9	18.0		

* Elective Subjects:

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|-------------------------------|-----------------|--------------------------------|-------------------|-------------------|
| 1. Transportation Engineering | CE 424 | 2. Foundation Engineering | CE 411 & CE 514 | 7. special Topics |
| 3. Earthquake Engineering | CE 423 & CE 514 | 4. Water Resources Engineering | CE 412 & CE 422 | |
| 5. Sewerage & Sewage Disposal | CE 412 & ES 411 | 6. Posts & Harbors | CE 411 & MECH 321 | |

** Can be taken during summer prior to 5th Year

- NOTE:
- SUBJECTS TAKEN WITHOUT COMPLETING THE PREREQUISITES WILL NOT BE CREDITED.
 - ALWAYS BRING THIS CHECKLIST DURING ENROLLMENT