

NOTRE DAME OF KIDAPAWAN COLLEGE

Datu Ingal Street, Kidapawan City, Cotabato

BSCE 2024-2025 | Bachelor of Science in Civil Engineering

1st Year-1st

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	ES 1	CIVIL ENGINEERING ORIENTATION	2.00	2		None	None	None	None
2.	GEC 5	MATHEMATICS IN THE MODERN WORLD	3.00	3		None	None	None	None
3.	GEC 6	PURPOSIVE COMMUNICATION	3.00	3		None	None	None	None
4.	MATH 101	FUNDAMENTALS OF MATHEMATICS	3.00	3		None	None	None	None
5.	MATH1	CALCULUS 1	4.00	3	1	None	None	None	None
6.	NSTP 1	NATIONAL SERVICE TRAINING PROGRAM	3.00	3	0	None	None	None	None
7.	PE1	PHYSICAL ACTIVITIES TOWARD HEALTH AND FITNESS 1: MOVEMENT COMPETENCY TRAINING	2.00	2		None	None	None	None
8.	RE 1	FUNDAMENTALS OF FAITH	3.00	3		None	None	None	None
9.	RE 101	CATHOLIC SOCIAL TEACHINGS AND CONTEMPORARY ISSUES	3.00	3		None	None	None	None
10.	RS 1	FUNDAMENTALS OF SPIRITUALITY	3.00	3		None	None	None	None
11.	RS 101	CULTURE OF DIALOGUE	3.00	3		None	None	None	None
12.	SCI 1A	CHEMISTRY FOR ENGINEERS (LEC)	3.00	3		None	None	None	SCI 1B
13.	SCI 1B	CHEMISTRY FOR ENGINEERS (LAB)	1.00		1	None	None	None	SCI 1A
			27	25	2				

1st Year-2nd

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	ES2	ENGINEERING DRAWING AND PLANS	2.00	1	1	None	None	None	None
2.	GEC 2	SCIENCE, TECHNOLOGY, AND SOCIETY	3.00	3		None	None	None	None
3.	GEC 3	UNDERSTANDING THE SELF	3.00	3		None	None	None	None
4.	MATH 3	ENGINEERING DATA ANALYSIS	3.00	3		None	None	None	MATH1
5.	MATH2	CALCULUS 2	4.00	3	1	None	None	None	MATH1
6.	NSTP 2	NATIONAL SERVICE TRAINING PROGRAM	3.00	3		None	None	None	NSTP 1
7.	PE2	PHYSICAL ACTIVITIES TOWARD HEALTH AND FITNESS 2: EXERCISE-BASED FITNESS ACTIVITIES	2.00	2		None	None	None	PE1
8.	RE 102	CHRISTIAN MORALITY	3.00	3		None	None	None	RE 101
9.	RE 2	INTRODUCTION TO SACRED SCRIPTURE	3.00	3		None	None	None	RE 1
10.	RS 102	ETHICAL SYSTEM AND SOCIAL RESPONSIBILITY	3.00	3		None	None	None	RS 101
11.	RS 2	FUNDAMENTALS OF BELIEFS AND PRACTICES	3.00	3		None	None	None	RS 1
12.	SCI 2A	PHYSICS FOR ENGINEERS (LEC)	3.00	3		None	None	None	MATH1 MATH2 SCI 2B
13.	SCI 2B	PHYSICS FOR ENGINEERS (LAB)	1.00		1	None	None	None	MATH1 SCI 2A
			27	24	3				

2nd Year-1st

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	CE 211A	FUNDAMENTALS OF SURVEYING	3.00	3		None	None	None	ES2 CE 211B

2.	CE 211B	FUNDAMENTALS OF SURVEYING (FIELDWORK)	1.00		1	None	None	None	ES2 CE 211A
3.	ES 11	DEVELOPMENTS AND TENDS IN CIVIL ENGINEERING	1.00		1	None	None	None	ES 1
4.	ES 3	COMPUTER FUNDAMENTALS AND PROGRAMMING	2.00		2	2nd Year	None	None	None
5.	ES 5	STATICS OF RIGID BODIES	3.00	3		None	None	None	MATH2 SCI 2A SCI 2B
6.	GEC 4	THE CONTEMPORARY WORLD	3.00	3		None	None	None	None
7.	GEC 9	THE LIFE AND WORKS OF RIZAL	3.00	3		None	None	None	None
8.	GECE 4	LIVING IN THE IT ERA	3.00	3		None	None	None	None
9.	MATH 4	DIFFERENTIAL EQUATIONS	3.00	3		None	None	None	MATH2
10.	PE3	PHYSICAL ACTIVITIES TOWARD HEALTH AND FITNESS 3: DANCE	2.00	2		None	None	None	PE2
11.	RE 3	OLD TESTAMENT: SALVATION HISTORY	3.00	3		None	None	None	RE 2
12.	RS 3	WORSHIP AND FELLOWSHIP	3.00	3		None	None	None	RS 2
			27	23	4				

2nd Year-2nd

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	CE 212A	CONSTRUCTION MATERIALS AND TESTING	2.00	2		None	None	None	CE 212B ES 7
2.	CE 212B	CONSTRUCTION MATERIALS AND TESTING	1.00		1	None	None	None	CE 212A ES 7
3.	CE 213	HYDROLOGY	2.00	2		None	None	None	MATH2
4.	ES 6	DYNAMICS OF RIGID BODIES	2.00	2		None	None	None	ES 5 ES 7
5.	ES 7	MECHANICS OF DEFORMABLE BODIES	4.00	4		None	None	None	ES 5 ES 6
6.	GEC 1	READINGS IN PHILIPPINE HISTORY	3.00	3		None	None	None	None
7.	GEC 7	ART APPRECIATION	3.00	3		None	None	None	None
8.	GEC 8	ETHICS	3.00	3		None	None	None	None
9.	GECE 2	PEOPLE AND THE EARTH'S ECOSYSTEMS	3.00	3		2nd Year	None	None	None
10.	PE4	PHYSICAL ACTIVITIES TOWARD HEALTH AND FITNESS 4: SPORTS	2.00	2		None	None	None	PE2
11.	RE 4	NEW TESTAMENT: CHRISTOLOGY	3.00	3		None	None	None	RE 3
12.	RS 4	INTER-RELIGIOUS DIALOGUE	3.00	3		None	None	None	RS 3
			28	27	1				

3rd Year-1st

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	ACE 1	ENGINEERING UTILITIES 1	3.00	3		None	None	None	SCI 2A SCI 2B
2.	CE 314	HIGHWAY AND RAILROAD ENGINEERING	3.00	3		None	None	None	CE 211A CE 211B
3.	CE 315	BUILDING SYSTEMS DESIGN	3.00	2	1	None	None	None	ES2
4.	CE 316A	STRUCTURAL THEORY	3.00	3		None	None	None	CE 316B ES 7

5.	CE 316B	STRUCTURAL THEORY (COMP)	1.00		1	None	None	None	CE 316A ES 7
6.	CE 317	QUANTITY SURVEYING	2.00	1	1	None	None	None	CE 315
7.	ES 4	COMPUTER-AIDED DRAFTING	1.00		1	3rd Year	None	None	ES2
8.	ES 9	ENGINEERING ECONOMICS	3.00	3		3rd Year	None	None	None
9.	MATH 5	NUMERICAL SOLUTIONS TO CE PROBLEMS	3.00	2	1	None	None	None	MATH 4 ES 3
			22	17	5				

3rd Year-2nd

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	ACE 2	ENGINEERING UTILITIES 2	3.00	3		None	None	None	SCI 2A
2.	CE 318A	PRINCIPLES OF REINFORCED/PRESTRESSED CONCRETE	3.00	3		None	None	None	CE 316A CE 318B CE 316B
3.	CE 318B	PRINCIPLES OF REINFORCED/PRESTRESSED CONCRETE	1.00		1	None	None	None	CE 316A CE 316B CE 318A
4.	CE 319A	PRINCIPLES OF STEEL DESIGN	3.00	3		None	None	None	CE 319B CE 316A CE 316B
5.	CE 319B	PRINCIPLES OF STEEL DESIGN (COMP)	1.00		1	None	None	None	CE 316A CE 316B CE 319A
6.	CE 320	PRINCIPLES OF TRANSPORTATION ENGINEERING	3.00	3		None	None	None	CE 314
7.	ES 10	TECHNOPRENEURSHIP 101	3.00	3		None	None	None	None
8.	ES 8	ENGINEERING MANAGEMENT	2.00	2		None	None	None	None
9.	GECE 13	READING VISUAL ART	3.00	3		None	None	None	None
10.	SCI 3	GEOLOGY FOR CIVIL ENGINEERS	2.00	2		None	None	None	SCI 1A SCI 1B
			24	22	2				

3rd Year-Summer

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	CE 322	OJT/PRACTICUM (240 HOURS)	3.00	3		3rd Year	None	None	None
			3	3	0				

Total Units 49 42 7

4th Year-1st

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	CE 421	CE PROJECT 1	2.00	1	1	4th Year	None	None	None
2.	CE 422	CE LAWS, ETHICS AND CONTRACTS	2.00	2		4th Year	None	None	None
3.	CE 423A	HYDRAULICS	4.00	4		None	None	None	ES 6 ES 7 CE 423B

4.	CE 423B	HYDRAULICS (LAB)	1.00		1	None	None	None	ES 6 ES 7 CE 423A
5.	CE 424A	GEO TECHNICAL ENGINEERING 1 (SOIL MECH)	4.00	4		None	None	None	ES 7 SCI 3 CE 424B
6.	CE 424B	GEO TECHNICAL ENGINEERING 1 (SOIL MECH) LAB	1.00		1	None	None	None	ES 7 SCI 3 CE 424A
7.	CE 425	GEO TECHNICAL EARTHQUAKE ENGINEERING	3.00	3		4th Year	None	None	None
8.	CE 426	GEO ENVIRONMENTAL ENGINEERING	3.00	3		4th Year	None	None	None
			20	17	3				

4th Year-2nd

Course Information						Prerequisite			
#	Code	Description	Unit	Lec	Lab	Req. Year Level	Req. Units	Req. En. Units	Subject Prerequisite
1.	CE 427	CE PROJECT 2	2.00		2	None	None	None	CE 421
2.	CE 428	GEO TECHNICAL ENGINEERING 2 (ROCK MECH)	3.00	3		None	None	None	CE 424A CE 424B
3.	CE 429A	CONSTRUCTION METHODS AND PROJECTS MANAGEMENT	3.00	3		4th Year	None	None	None
4.	CE 429B	CONSTRUCTION METHODS AND PROJECT MANAGEMENT (FIELDWORK)	1.00		1	4th Year	None	None	None
5.	CE 430	COMPUTER PROGRAMS AND APPLICATIONS	1.00		1	None	None	None	CE 318A CE 318B CE 319A CE 319B
6.	CE 431	GROUND IMPROVEMENT	3.00	3		4th Year	None	None	None
7.	CE 432	FOUNDATION ENGINEERING	3.00	3		None	None	None	CE 424A CE 424B
8.	CE 433	REFRESHER	2.00		2	4th Year	None	None	None
			18	12	6				

Grand Total of Units 196 170 26