



**UNIVERSITY OF**  
**Baguio**  
**SCHOOL OF ENGINEERING AND ARCHITECTURE**  
General Luna Road, Baguio City, Philippines

**CURRICULUM FOR THE BS CIVIL ENGINEERING**  
**Effective School Year 2012-2013**

CODE	DESCRIPTIVE TITLE	LEC	LAB	TOTAL	PREREQUISITES		
<b>FIRST YEAR</b>							
<b>FIRST SEMESTER</b>							
	<b>Course</b>	<b>Descriptive Title</b>					
	ENGMTA1	College Algebra			3	3	
	ENGMTH2	Plane and Spherical Trigonometry			3	3	
	ENGLIS1	Communication Skills-1			3	3	
	ENGCHM1	General and Inorganic Chemistry-1			3	3	
	ENGCHL1	General and Inorganic Chemistry-1 Laboratory			1	1	
	KOMFIL1	Komunikasyon sa Akademikong Filipino			3	3	
	CEDRAW1	Engineering Drawing 1			1	1	
	PELECT1	PE Elective			2	2	
	SOCORN2	Social Orientation			1	1	
<b>TOTAL</b>				<b>18</b>	<b>2</b>	<b>20</b>	<b>24 Hrs</b>
<b>SECOND SEMESTER</b>							
	ENGMAT2	Advanced Algebra			3	3	ENGMAT1
	ENGMAT3	Analytic Geometry			4	4	ENGMAT1, ENGMTH2
	ENGMAT4	Solid Mensuration			2	2	ENGMAT1, ENGMTH2
	ENGCHM2	General and Inorganic Chemistry 2			3	3	ENGCHM1, ENGCHL1
	ENGLIS2	Communication Skills 2			3	3	ENGLIS1
	SOCIOG1	Society and Culture with Family Planning			3	3	
	FILPPP2	Pagbasa at Pagsulat Tungo sa Pananaliksik			3	3	KOMFIL1
	CEDRAW2	Engineering Drawing 2			1	1	CEDRAW1
	PE 2	Physical Education 2			2	2	
<b>TOTAL</b>				<b>23</b>	<b>1</b>	<b>24</b>	<b>26 Hrs</b>
<b>SECOND YEAR</b>							
<b>FIRST SEMESTER</b>							
	ENGMAT5	Differential Calculus			5	5	ENGMAT2, ENGMAT3, ENGMAT4
	ENGPHS1	Engineering Physics 1			3	3	ENGMAT3
	ENGPL1	Engineering Physics 1-L			1	1	w/ENGPHS1
	PSYCHO	General Psychology			3	3	
	PHILOS1	Logic			3	3	
	COMFUN1	Spread Sheet			1	1	w/ENGMAT5
	SURVNG1	Surveying 1 (Elem. & Higher Surveying)			3	3	ENGMAT4, DRAWING2
	SURFLD1	Surveying 1-L			1	1	w/SURVNG1
	PE 3	Physical Education 3			2	2	
<b>TOTAL</b>				<b>19</b>	<b>3</b>	<b>27</b>	<b>28 Hrs</b>
<b>SECOND SEMESTER</b>							
	ENGMAT6	Integral Calculus			5	5	ENGMAT5
	ENGPHS2	Engineering Physics 2			3	3	ENGPHS, ENGPL1
	ENGPL2	Engineering Physics 2-L			1	1	w/ENGPHS2
	COMFUN2	Advanced Computer Programming-L			1	1	COMFUN1
	ENGLIS4	Public Speaking			3	3	ENGLIS2
	RIZALJ1	Life, Works and Writings of Rizal			3	3	
	SURVNG2	Surveying 2 (Engineering Surveys)			3	3	SURVNG1, SURFLD1
	SURFLD2	Surveying 2-lab			1	1	w/SURVNG2
	HISTORY1	Phil. History, Government and Constitution			3	3	
	PE 4	Physical Education 4			2	2	
<b>TOTAL</b>				<b>22</b>	<b>3</b>	<b>25</b>	<b>31 Hrs</b>
<b>Note:</b>							
1. All General Education Subject for 1st & 2nd Year levels including NSTP and SOCORN should be completed prior to enrolling in the 3rd level.							
2. Students' enrollment to the next year level is subject to the College retention policies.							
3. General Education subjects may be revised subject to							
<b>THIRD YEAR</b>							
<b>First semester</b>							
	ENGMAT7	Differential Equations			3	3	ENGMAT6
	MECHAS1	Engg Mechanics-Statics of Rigid Bodies			3	3	ENGPHS1, ENGMAT6
	ECONOM1	Basis Economics with TAR			3	3	
	THERMO1	Thermodynamics			3	3	ENGPHS2, ENGMAT6
	ELECIR1	Electrical Circuits			3	3	ENGPHS2, ENGMAT6
	PHILOS2	Values Education and Ethics			3	3	
	BLDDDES1	Building Design 1			1	1	SURFLD2
	BLDDEL1	Building Design 1-L			1	1	w/BLDDDES1
	ENVIRO1	Environmental Engineering			3	3	ENGCHM2, 3rd yr. standing
	LITRAT1	Philippine Literature in English			3	3	
<b>TOTAL</b>				<b>25</b>	<b>1</b>	<b>26</b>	<b>28 Hrs</b>

All students are required to finish NSTP1 and NSTP2 prior to graduation.

		National Service Training Program 1	3		3	
	NPRO2	National Service Training Program 2	3		3	
<b>TOTAL</b>			<b>6</b>		<b>6</b>	

**SECOND SEMESTER**

	MECHAD1	Engg Mechics 2- Dynamics of Rigid Bodies	2		2	MECHAS1
	MECHAN2	Strength of Materials	5		5	w/MECHAD1
	FLUIDS1	Fluid Mechanics	3		3	w/MECHAN2 & MECHAD1
	FLUIDL1	Fluid Mechanics-L		1	1	w/FLUIDS1
	PRFENG1	Professional English	3		3	ENGLIS4
	ENGMAT9	Probability and Statistics	3		3	ENGMAT7
	TCHWRS1	Technical Writing w/ Introduction to Research	3		3	ENGLIS2
	BLDDES2	Building Design 2	1		1	BLDDES1,BLDDEL1
	BLDDEL2	Building Design 2-L		1	1	w/BLDDES2
	CECADD1	Computer Aided Drafting and Design and for CE		1	1	COMFUN1,w/BLDDES2/BLDDEL2
	HIWAYS1	Highway Engineering	3		3	SURVNG2
<b>TOTAL</b>			<b>23</b>	<b>3</b>	<b>26</b>	<b>29 Hrs</b>

**FOURTH YEAR**

**FIRST SEMESTER**

	GEOTCH1	Soil and Rock Mechanics 1	3		3	MECHAN2
	GEOTCL1	Soil and Rock Mechanics 1-L		1	1	w/GEOTCH1
	HYDRAU1	Hydraulics	3		3	FLUIDS1,FLUIDL1
	HYDRAL1	Hydraulics-L		1	1	w/HYDRAU1
	THEORY1	Theory of Structure	3		3	MECHAN2
	THEORL1	Theory of Structure-L		1	1	w/THEORY1
	MATEST1	Engineering Materials and Testing	3		3	MECHAN2
	MATESL1	Engineering Materials and Testing-L		1	1	w/MATEST1
	CEMATH1	Advanced Engineering Math for CE	3		3	w/THEORY1
	ENGECO1	Engineering Economy	3		3	ENGMAT9
	CECADD2	for CE		1	1	CECADD1
	SAFETY1	Safety Engineering	1		1	BLDDES2
<b>TOTAL</b>			<b>19</b>	<b>5</b>	<b>24</b>	<b>34 Hrs</b>

**SECOND SEMESTER**

	HYDRAU2	Hydrology	3		3	HYDRAU1,HYDRAL1
	THEORY2	Structural Theory 2	3		3	THEORY1,THEORL1
	THEORL2	Structural Theory 2-L		1	1	w/THEORY2
	HYDRAU3	Water Supply and Sewage	3		3	HYDRAU1,HYDRAL1
	CEMGMT1	Engineering Management	3		3	BLDDES2
	GEOTCH2	Soil Mechanics 2	3		3	GEOTCH1,GEOTCL1
	GEOTCL2	Soil Mechanics 2-L		1	1	w/GEOTCH2
	TRANSP1	Transportation Engineering for CE	3		3	HIWAYS
	CELAWS1	CE Laws,Contracts,Specification and Ethics	3		3	w/CEMGMT1
<b>TOTAL</b>			<b>21</b>	<b>2</b>	<b>23</b>	<b>30 Hrs</b>

**FIFTH YEAR**

**FIRST SEMESTER**

	CONDES1	Structural Design 1(RC1)	3		3	THEORY2,THEORL2
	CONDEL1	Structural Design 1(RC1)-L		1	1	w/CONDES1
	CONMAN1	Construction Management 1	3		3	ENGECO1,w/CONDES1
	CONMAL1	Construction Management 1-L w/OJT		1	1	w/CONMAN1
	CERVEW1	CE Review 1	3		3	Fifth Year Standing, W/CONDES1
	TECHEL1	Technical Elective 1 (EQUAKE ENGG)	3		3	THEORY2,THEORL2
	RESMTH1	Methods of Research		1	1	CEMGMT1,TCHWRS1
	STTDES1	Steel and Timber Design	4		4	THEORY2,THEORL2
	STTDEL1	Steel and Timber Design-L		1	1	w/STEDES1
	ESTLAW1	Eng'g Estimates and Bld. Laws	3		3	w/CONMAN1/CONMAL1
	TECHEL2	Technical Elective 2(PRESTRESSED DESIGN)	3		3	w/CONDES1,CONDEL1
<b>TOTAL</b>			<b>22</b>	<b>4</b>	<b>26</b>	

**SECOND SEMESTER**

	CONDES2	Structural Design 2(RC2)	3		3	CONDES1,CONDEL1
	CONDEL2	Structural Design2(RC2)-L		1	1	w/CONDES2
	CECOMP1	Computer Application in Civil Engineering		1	1	graduating,W/CONDES2 & GEOTCH3
	CEPROJ1	CE Project Study	1		1	RESMTH1,graduating
	CEPROL1	CE Project Study-L		2	2	w/CEPROJ1
	TECHEL3	Technical Elective 3(Advanced Structural Theory & Design)	2	1	3	THEORY2
	TECHEL4	(Review2)	3	1	4	CERVEW1
	GEOTCH3	Geotechnical and Foundation of Engineering	3	0	3	GEOTCH2,WITH CONDES2
	GEOTCL3	Geotechnical and Foundation of Engineering-L	0	1	1	GEOTCH2,WITH CONDES2
<b>TOTAL</b>			<b>12</b>	<b>7</b>	<b>19</b>	<b>33 Hrs</b>

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Note: All Academic and OJT requirements should be completed prior to graduation