



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

1.5. The College/Academic Unit requires its students to conduct research, as a course requirement, (whenever applicable)



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

Polytechnic University of the Philippines

https://sis7.pup.edu.ph/aims_svr/process/print.curriculum.php?cc...

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (CY
2018-19)**

FIRST YEAR

First Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
MATH 20043			Calculus 1	3	0	3	3
CHEM 20024			Chemistry for Engineers	3	3	4	6
CMPE 30011			Computer Engineering as a Discipline	1	0	1	1
CMPE 30022			Programming Logic and Design	0	6	2	6
CMPE 40012			Computer Engineering Technology 1	0	6	2	6
GEED 10053			Mathematics in the Modern World	3	0	3	3
GEED 10083			Science, Technology and Society	3	0	3	3
GEED 10023			Understanding the Self	3	0	3	3
PHED 01			Physical Education 1	2	0	2	2
NSTP 10013			CWTS/ROTC	3	0	3	0
TOTAL UNITS						26/(0)	33

Second Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
MATH 20053	MATH 20043		Calculus 2	3	0	3	3
PHYS 20034	MATH 20043		Physics for Engineers	3	3	4	6
CMPE 30032	CMPE 30022		Object-oriented Programming	0	6	2	6
STAT 20023	GEED 10053		Engineering Data Analysis	3	0	3	3
CMPE 30043	GEED 10053		Discrete Mathematics	3	0	3	3
GEED 10063			Purposive Communication	3	0	3	3
CMPE 40022			Computer Engineering Technology 2	0	6	2	6
PHED 02			Physical Education 2	2	0	2	2
NSTP 10023			CWTS/ROTC	3	0	3	0
TOTAL UNITS						25/(0)	32

Summer Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
<i>No subject</i>							

SECOND YEAR

First Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
MATH 20063	MATH 20053		Differential Equations	3	0	3	3
GEED 10073			Art Appreciation	3	0	3	3
CMPE 30052	CMPE 30032		Data Structures and Algorithms	0	6	2	6
GEED 20023			Politics, Governance and Citizenship	3	0	3	3
GEED 10013			Buhay at Mga Sinulat ni Rizal	3	0	3	3
GEED 10103			Filipinolohiya at Pambansang Kaunlaran	3	0	3	3
CMPE 40032			Computer Engineering Technology 3	0	6	2	6
PHED 03			Physical Education 3	2	0	2	2
ELEN 20044	MATH 20053		Fundamentals of Electrical Circuits	3	3	4	6
TOTAL UNITS						25/(0)	35

Second Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
CMPE 30063	MATH 20063		Numerical Methods	3	0	3	3
CMPE 30074	CMPE 30032		Software Design	3	3	4	6
GEED 10033			Readings in Philippine History	3	0	3	3
GEED 10043			The Contemporary World	3	0	3	3
ENSC 20011			Computer-Aided Drafting	0	3	1	3
GEED 10113	GEED 10103		Pagsasalin sa Kontekstong Filipino	3	0	3	3
CMPE 40042			Computer Engineering Technology 4	0	6	2	6
PHED 04			Physical Education 4	2	0	2	2
ECEN 20034	ELEN 20044		Fundamentals of Electronic Circuits	3	3	4	6
TOTAL UNITS						25/(0)	35



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

Polytechnic University of the Philippines

https://sis7.pup.edu.ph/aims_svr/process/print.curriculum.php?cc...

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (CY
2018-19)**

FIRST YEAR

First Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
MATH 20043			Calculus 1	3	0	3	3
CHEM 20024			Chemistry for Engineers	3	3	4	6
CMPE 30011			Computer Engineering as a Discipline	1	0	1	1
CMPE 30022			Programming Logic and Design	0	6	2	6
CMPE 40012			Computer Engineering Technology 1	0	6	2	6
GEED 10053			Mathematics in the Modern World	3	0	3	3
GEED 10083			Science, Technology and Society	3	0	3	3
GEED 10023			Understanding the Self	3	0	3	3
PHED 01			Physical Education 1	2	0	2	2
NSTP 10013			CWTS/ROTC	3	0	3	0
TOTAL UNITS						26/(0)	33

Second Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
MATH 20053	MATH 20043		Calculus 2	3	0	3	3
PHYS 20034	MATH 20043		Physics for Engineers	3	3	4	6
CMPE 30032	CMPE 30022		Object-oriented Programming	0	6	2	6
STAT 20023	GEED 10053		Engineering Data Analysis	3	0	3	3
CMPE 30043	GEED 10053		Discrete Mathematics	3	0	3	3
GEED 10063			Purposive Communication	3	0	3	3
CMPE 40022			Computer Engineering Technology 2	0	6	2	6
PHED 02			Physical Education 2	2	0	2	2
NSTP 10023			CWTS/ROTC	3	0	3	0
TOTAL UNITS						25/(0)	32

Summer Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
<i>No subject</i>							

SECOND YEAR

First Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
MATH 20063	MATH 20053		Differential Equations	3	0	3	3
GEED 10073			Art Appreciation	3	0	3	3
CMPE 30052	CMPE 30032		Data Structures and Algorithms	0	6	2	6
GEED 20023			Politics, Governance and Citizenship	3	0	3	3
GEED 10013			Buhay at Mga Sinulat ni Rizal	3	0	3	3
GEED 10103			Filipinolohiya at Pambansang Kaunlaran	3	0	3	3
CMPE 40032			Computer Engineering Technology 3	0	6	2	6
PHED 03			Physical Education 3	2	0	2	2
ELEN 20044	MATH 20053		Fundamentals of Electrical Circuits	3	3	4	6
TOTAL UNITS						25/(0)	35

Second Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
CMPE 30063	MATH 20063		Numerical Methods	3	0	3	3
CMPE 30074	CMPE 30032		Software Design	3	3	4	6
GEED 10033			Readings in Philippine History	3	0	3	3
GEED 10043			The Contemporary World	3	0	3	3
ENSC 20011			Computer-Aided Drafting	0	3	1	3
GEED 10113	GEED 10103		Pagsasalin sa Kontekstong Filipino	3	0	3	3
CMPE 40042			Computer Engineering Technology 4	0	6	2	6
PHED 04			Physical Education 4	2	0	2	2
ECEN 20034	ELEN 20044		Fundamentals of Electronic Circuits	3	3	4	6
TOTAL UNITS						25/(0)	35



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

Polytechnic University of the Philippines

https://sis7.pup.edu.ph/aims_svr/process/print.curriculum.php?cc...

FIFTH YEAR

First Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
<i>No subject</i>							

Second Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
<i>No subject</i>							

Summer Semester

Subject Code	Prereq	Co-req	Description	Lec Hours	Lab Hours	Credited Units	Tuition Hours
<i>No subject</i>							