

2022-23 Cohort Students (BME Year 1 in 2022-23)

1. Students in BME who have Level 2 or above in HKDSE Physics/Combined Science with Physics:

Year 1	
Semester 1 (16 credits OR 19 credits†)	Semester 2 (16 credits + 1 training credit)
BME11108 Biomedical Engineering in Society (2 credits)	
ABCT1700 Introduction to Chemistry (3 credits) † Refer to the note at the bottom	ABCT1741 General Chemistry I (3 credits) † Refer to the note at the bottom
ABCT2331 Human Biology for Biomedical Engineering I (3 credits)	ABCT2332 Human Biology for Biomedical Engineering II (3 credits)
AMA1110 Basic Mathematics I – Calculus, Probability, and Statistics (3 credits)	AMA1120 Basic Mathematics II – Calculus and Linear Algebra (3 credits)
AP10005 Physics I (3 credits)	AP10006 Physics II (3 credits)
EIE1005 Fundamental AI and Data Analytics (2 credits)	APSS1L01 Tomorrow's Leader (3 credits)
MM1031 Introduction to Innovation and Entrepreneurship (1 credit)	BME21301/IC2135 Material Processing and Technical Communication (1 training credits)
LCR I: English (3 credits)	
Healthy Lifestyle (0 credits)	
Summer Term: BME21301/IC2135 Material Processing and Technical Communication (4 training credits)	
Year 2	
Semester 1 (14 credits)	Semester 2 (16 credits)
AMA2511 Applied Mathematics I (2 credits)	ELC3523 Scientific Writing for Biomedical Engineering Students (2 credits)
LCR II: English (3 credits)	AMA2512 Applied Mathematics II (2 credits)
BME21148 Biomedical Electronics (3 credits)	CAR I (3 credits) (with CR/CW) #
ENG2002 Computer Programming (3 credits)	BME21151 Engineering Design & Biomechanics (3 credits)
LCR III: Chinese (3 credits)	BME21153 Medical Device Regulation (3 credits)
	BME21149 Biomaterials Science and Engineering (3 credits)
Year 3	
Semester 1 (16.5 credits)	Semester 2 (16.5 credits)
BME31147 Biomedical Engineering Innovation for the Community (3 credits)	
BME31150 Medical Instrumentation & Equipment (3 credits)	BME31103 Applied Electrophysiology (3 credits)
BME31116 Biosignal Processing (3 credits)	BME31134 Rehabilitation Engineering and Assistive Technology (3 credits)
BME31125 Biomechanics (3 credits)	BME Elective II (3 credits) * BME32152 Clinical Engineering and Medical Technology Management (3 credits)
BME Elective I (3 credits) *	BME Elective III (3 credits) *
Free Elective (3 credits) #	CLC3241P Professional Communication in Chinese (2 credits)
	Capstone Project (1 credit)
Summer Term: BME31210 Biomedical Engineering Industrial Internship (4 training credits)	
Year 4	
Semester 1 (11 credits)	Semester 2 (13.5 credits)
BME41118 Capstone Project (2 + 3 credits)	
BME Elective IV (3 credits) * BME42154 Digital Design and Fabrication for Healthcare Services (3 credits)	
BME Elective V (3 credits) *	BME Elective VI (3 credits) *
CAR II (3 credits) (with ER/EW) #	BME Elective VII (3 credits) *
CAR III (3 credits) #	CAR IV (3 credits) #

Total Number of Credits: 121 Academic + 5 IC Training + 4 WIE Training

† Students who do not have Level 2 or above in HKDSE Chemistry take ABCT1700 Introduction to Chemistry (also highly recommended to take ABCT1741 General Chemistry I) and students who have Level 2 or above in HKDSE Chemistry take ABCT1741 General Chemistry I

The suggested semesters for CAR subjects and Free Elective can be changed if it is allowed by Academic Advisor.

*Students need to register BME Elective subjects by themselves. If students want to take subjects in other PolyU departments to be counted as BME electives, please strictly follow the inductions set by the Department.

(Updated on June 2022)

2022-23 Cohort Students (BME Year 1 in 2022-23)**2. Students in BME who do not have Level 2 or above in HKDSE Physics/Combined Science with Physics:**

Year 1	
Semester 1 (16 credits OR 19 credits†)	Semester 2 (16 credits + 1 training credit)
BME11108 Biomedical Engineering in Society (2 credits)	
ABCT1700 Introduction to Chemistry (3 credits) † Refer to the note at the bottom	ABCT1741 General Chemistry I (3 credits) † Refer to the note at the bottom
ABCT2331 Human Biology for Biomedical Engineering I (3 credits)	ABCT2332 Human Biology for Biomedical Engineering II (3 credits)
AMA1110 Basic Mathematics I – Calculus, Probability, and Statistics (3 credits)	AMA1120 Basic Mathematics II – Calculus and Linear Algebra (3 credits)
AP10001 Introduction to Physics (3 credits) ††	AP10006 Physics II (3 credits)
EIE1005 Fundamental AI and Data Analytics (2 credits)	APSS1L01 Tomorrow's Leader (3 credits)
MM1031 Introduction to Innovation and Entrepreneurship (1 credit)	BME21301/IC2135 Material Processing and Technical Communication (1 training credits)
LCR I: English (3 credits)	
Healthy Lifestyle (0 credits)	
Summer Term: BME21301/IC2135 Material Processing and Technical Communication (4 training credits)	
Year 2	
Semester 1 (17 credits)	Semester 2 (16 credits)
AMA2511 Applied Mathematics I (2 credits)	ELC3523 Scientific Writing for Biomedical Engineering Students (2 credits)
AP10005 Physics I (3 credits)	AMA2512 Applied Mathematics II (2 credits)
LCR II: English (3 credits)	CAR I (3 credits) (with CR/CW) #
BME21148 Biomedical Electronics (3 credits)	BME21151 Engineering Design & Biomechanics (3 credits)
ENG2002 Computer Programming (3 credits)	BME21153 Medical Device Regulation (3 credits)
LCR III: Chinese (3 credits)	BME21149 Biomaterials Science and Engineering (3 credits)
Year 3	
Semester 1 (16.5 credits)	Semester 2 (16.5 credits)
BME31147 Biomedical Engineering Innovation for the Community (3 credits)	
BME31150 Medical Instrumentation & Equipment (3 credits)	BME31103 Applied Electrophysiology (3 credits)
BME31116 Biosignal Processing (3 credits)	BME31134 Rehabilitation Engineering and Assistive Technology (3 credits)
BME31125 Biomechanics (3 credits)	BME Elective II (3 credits) * BME32152 Clinical Engineering and Medical Technology Management (3 credits)
BME Elective I (3 credits) *	BME Elective III (3 credits) *
Free Elective (3 credits) #	CLC3241P Professional Communication in Chinese (2 credits)
	Capstone Project (1 credit)
Summer Term: BME31210 Biomedical Engineering Industrial Internship (4 training credits)	
Year 4	
Semester 1 (11 credits)	Semester 2 (10.5 credits)
BME41118 Capstone Project (2 + 3 credits)	
BME Elective IV (3 credits) * BME42154 Digital Design and Fabrication for Healthcare Services (3 credits)	
BME Elective V (3 credits) *	BME Elective VI (3 credits) *
CAR II (3 credits) (with ER/EW) #	BME Elective VII (3 credits) *
CAR III (3 credits) #	

Total Number of Credits: 121 Academic + 5 IC Training + 4 WIE Training

† Students who do not have Level 2 or above in HKDSE Chemistry take ABCT1700 Introduction to Chemistry (also highly recommended to take ABCT1741 General Chemistry I) and students who have Level 2 or above in HKDSE Chemistry take ABCT1741 General Chemistry I

†† AP10001 Introduction to Physics is a double-fulfilment subject of DSR and CAR D. This means student completing AP10001 do not need to take another CAR D subject.

The suggested semesters for CAR subjects and Free Elective can be changed if it is allowed by Academic Advisor.

*Students need to register BME Elective subjects by themselves. If students want to take subjects in other PolyU departments to be counted as BME electives, please strictly follow the inductions set by the Department.

2022-23 Cohort Students (BME with P&O Year 1 in 2022-23)

1. Students in BME who have Level 2 or above in HKDSE Physics/Combined Science with Physics:

Year 1	
Semester 1 (16 credits OR 19 credits†)	Semester 2 (16 credits + 1 training credit)
BME11108 Biomedical Engineering in Society (2 credits)	
ABCT1700 Introduction to Chemistry (3 credits) † Refer to the note at the bottom	ABCT1741 General Chemistry I (3 credits) † Refer to the note at the bottom
ABCT2331 Human Biology for Biomedical Engineering I (3 credits)	ABCT2332 Human Biology for Biomedical Engineering II (3 credits)
AMA1110 Basic Mathematics I – Calculus, Probability, and Statistics (3 credits)	AMA1120 Basic Mathematics II – Calculus and Linear Algebra (3 credits)
AP10005 Physics I (3 credits)	AP10006 Physics II (3 credits)
EIE1005 Fundamental AI and Data Analytics (2 credits)	APSS1L01 Tomorrow's Leader (3 credits)
MM1031 Introduction to Innovation and Entrepreneurship (1 credit)	BME21301/IC2135 Material Processing and Technical Communication (1 training credits)
LCR I: English (3 credits)	
Healthy Lifestyle (0 credits)	
Summer Term: BME21301/IC2135 Material Processing and Technical Communication (4 training credits)	
Year 2	
Semester 1 (17 credits)	Semester 2 (16 credits)
AMA2511 Applied Mathematics I (2 credits)	ELC3523 Scientific Writing for Biomedical Engineering Students (2 credits)
BME21148 Biomedical Electronics (3 credits)	AMA2512 Applied Mathematics II (2 credits)
ENG2002 Computer Programming (3 credits)	CAR I (3 credits) (with CR/CW) #
HSS2011 Human Anatomy (3 credits)	BME21151 Engineering Design & Biomechanics (3 credits)
LCR II: English (3 credits)	BME21153 Medical Device Regulation (3 credits)
LCR III: Chinese (3 credits)	BME21149 Biomaterials Science and Engineering (3 credits)
Year 3	
Semester 1 (18.5 credits)	Semester 2 (16.5 credits)
BME31147 Biomedical Engineering Innovation for the Community (3 credits)	
BME31150 Medical Instrumentation & Equipment (3 credits)	BME31103 Applied Electrophysiology (3 credits)
BME31116 Biosignal Processing (3 credits)	BME31134 Rehabilitation Engineering and Assistive Technology (3 credits)
BME31125 Biomechanics (3 credits)	P&O Elective III (4 credits)
P&O Elective I (4 credits)	P&O Elective IV (4 credits)
P&O Elective II (4 credits)	Capstone Project (1 credit)
Summer Term: BME31206 Biomedical Engineering Clinical Attachment I (4 credits)	
Year 4	
Semester 1 (13.5 credits)	Semester 2 (17.5 credits)
BME41118 Capstone Project (2 + 3 credits)	
Free Elective (3 credits) BME42154 Digital Design and Fabrication for Healthcare Services (3 credits)	
P&O Elective V (4 credits)	P&O Elective VI (4 credits)
CAR II (3 credits) #	P&O Elective VII (4 credits)
CAR III (3 credits) (with ER/EW) #	CLC3241P Professional Communication in Chinese (2 credits)
	CAR IV (3 credits) #
Summer Term: BME41207 Biomedical Engineering Clinical Attachment II (4 credits)	

Total Number of Credits: 131 Academic + 5 IC Training + 8 WIE Training

† Students who do not have Level 2 or above in HKDSE Chemistry take ABCT1700 Introduction to Chemistry (also highly recommended to take ABCT1741 General Chemistry I) and students who have Level 2 or above in HKDSE Chemistry take ABCT1741 General Chemistry I

The suggested semesters for CAR subjects and Free Elective can be changed if it is allowed by Academic Advisor.

(Updated on June 2022)

2022-23 Cohort Students (BME with P&O Year 1 in 2022-23)**1. Students in BME who do not have Level 2 or above in HKDSE Physics/Combined Science with Physics:**

Year 1	
Semester 1 (16 credits OR 19 credits†)	Semester 2 (16 credits + 1 training credit)
BME11108 Biomedical Engineering in Society (2 credits)	
ABCT1700 Introduction to Chemistry (3 credits) † Refer to the note at the bottom	ABCT1741 General Chemistry I (3 credits) † Refer to the note at the bottom
ABCT2331 Human Biology for Biomedical Engineering I (3 credits)	ABCT2332 Human Biology for Biomedical Engineering II (3 credits)
AMA1110 Basic Mathematics I – Calculus, Probability, and Statistics (3 credits)	AMA1120 Basic Mathematics II – Calculus and Linear Algebra (3 credits)
AP10001 Introduction to Physics (3 credits) ††	AP10006 Physics II (3 credits)
EIE1005 Fundamental AI and Data Analytics (2 credits)	APSS1L01 Tomorrow's Leader (3 credits)
MM1031 Introduction to Innovation and Entrepreneurship (1 credit)	BME21301/IC2135 Material Processing and Technical Communication (1 training credits)
LCR I: English (3 credits)	
Healthy Lifestyle (0 credits)	
Summer Term: BME21301/IC2135 Material Processing and Technical Communication (4 training credits)	
Year 2	
Semester 1 (20 credits)	Semester 2 (16 credits)
AMA2511 Applied Mathematics I (2 credits)	ELC3523 Scientific Writing for Biomedical Engineering Students (2 credits)
AP10005 Physics I (3 credits)	AMA2512 Applied Mathematics II (2 credits)
BME21148 Biomedical Electronics (3 credits)	CAR I (3 credits) (with CR/CW) #
ENG2002 Computer Programming (3 credits)	BME21151 Engineering Design & Biomechanics (3 credits)
HSS2011 Human Anatomy (3 credits)	BME21153 Medical Device Regulation (3 credits)
LCR II: English (3 credits)	BME21149 Biomaterials Science and Engineering (3 credits)
LCR III: Chinese (3 credits)	
Year 3	
Semester 1 (18.5 credits)	Semester 2 (16.5 credits)
BME31147 Biomedical Engineering Innovation for the Community (3 credits)	
BME31150 Medical Instrumentation & Equipment (3 credits)	BME31103 Applied Electrophysiology (3 credits)
BME31116 Biosignal Processing (3 credits)	BME31134 Rehabilitation Engineering and Assistive Technology (3 credits)
BME31125 Biomechanics (3 credits)	P&O Elective III (4 credits)
P&O Elective I (4 credits)	P&O Elective IV (4 credits)
P&O Elective II (4 credits)	Capstone Project (1 credit)
Summer Term: BME31206 Biomedical Engineering Clinical Attachment I (4 credits)	
Year 4	
Semester 1 (13.5 credits)	Semester 2 (14.5 credits)
BME41118 Capstone Project (2 + 3 credits)	
Free Elective (3 credits) BME42154 Digital Design and Fabrication for Healthcare Services (3 credits)	
P&O Elective V (4 credits)	P&O Elective VI (4 credits)
CAR II (3 credits) #	P&O Elective VII (4 credits)
CAR III (3 credits) (with ER/EW) #	CLC3241P Professional Communication in Chinese (2 credits)
Summer Term: BME41207 Biomedical Engineering Clinical Attachment II (4 credits)	

Total Number of Credits: 131 Academic + 5 IC Training + 8 WIE Training

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