

Ph.D.

1. Students should find their own thesis advisor before the end of the first semester of enrollment. In the event that a student wishes to change advisor, s/he must file an application following the “Guidelines for Selection and Changing of Graduate Thesis Advisor” and submit it to the department office.
2. Students of the Ph.D. program in Biomedical Engineering Institute are required to complete a minimum of **18 credits including 4 credits of seminars** for graduation.
3. For non-Biomedical Engineering master’s degree holders, **additional 26** credits must be taken. (**44 credits in total**)
4. If you have Biomedical Engineering master’s degree. Course credit waivers can be applied and discussed during the faculty meeting on the first month of your first semester in BME.
5. Before enrolling in any of the courses stated above, students must discuss and get **approval from both their advisors and the department chair**.

Group A & B

- Students of the Ph.D. program in Biomedical Engineering Institute are required to complete a minimum of **18 credits including 4 credits of seminars** for graduation.

Biomedical Engineering BME	P8-021 P850020-1 [BME9690]	MD	Discussion	SEMINAR (2) Course taught in English The course enrollment is for 1st year doctoral students, MDI and foreign students who major in Biomechanic and Materials only.	1 Required
Biomedical Engineering BME	P8-022 P850020-2 [BME9690]	MD	Discussion	SEMINAR (2) Course taught in English The course enrollment is for 1st year doctoral students, MDI and foreign students who major in Biomedical electronic and Biosensor only.	1 Required
Biomedical Engineering BME	P8-023 P850040-1 [BME9690]	MD	Discussion	SEMINAR (4) Course taught in English The course enrollment is for 2nd year doctoral students, MDI and foreign students who major in Biomechanic and Materials only.	1 Required
Biomedical Engineering BME	P8-024 P850040-2 [BME9690]	MD	Discussion	SEMINAR (4) Course taught in English The course enrollment is for 2nd year doctoral students, MDI and foreign students who major in Biomedical electronic and Biosensor only.	1 Required
Biomedical Engineering BME	P8-033 P850010-1 [BME9690]	1 MD	Discussion	SEMINAR (1) Course taught in English Taught in English- Biomechanics	1 Required
Biomedical Engineering BME	P8-034 P850010-2 [BME9690]	1 MD	Discussion	SEMINAR (1) Course taught in English Taught in English- Bioelectronics	1 Required
Biomedical Engineering BME	P8-035 P850030-1 [BME9690]	2 MD	Discussion	SEMINAR (3) Course taught in English Taught in English- Biomechanics	1 Required
Biomedical Engineering BME	P8-036 P850030-2 [BME9690]	2 MD	Discussion	SEMINAR (3) Course taught in English Taught in English- Bioelectronics	1 Required

4 Credits Required

(Four credits of seminars, please choose the right group by following the information.)

Biomechanics--Group A

Professor	Email
Fong-Chin Su	fcsu@mail.ncku.edu.tw
Yeau-Ren Jeng	imeyri@gs.ncku.edu.tw
Min-Long Yeh	mlyeh@mail.ncku.edu.tw
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Bioelectronics--Group B

Professor	Email
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Che Wei Lin	lincw@mail.ncku.edu.tw
Yi-Chun Du	terrydu@gs.ncku.edu.tw
Ching-Hsiang Fan	s1024@msn.com

1. Group A & B: Students in both groups A&B must enroll at least 6 credits in (1) Engineering Physiology, (2) Human Anatomy from NCKU medical school or other graduate schools in NCKU, or (3) other Biology related courses from NCKU medical school. Only 3 credits from biology related courses will be counted. The courses are subject to approval at the faculty meeting.

Biomedical Engineering BME	P8-018 P881700 [BME7012]	MD	Lecture	ENGINEERING PHYSIOLOGY Medical Device Certificate Program Course taught in English	3 Elective
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Biomedical Engineering BME	P8-006 P855000 [BME7500]	MD	Lecture	ANATOMY Surgical Translation & Advanced Research (STAR) Program Medical Device Certificate Program	3 Elective
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6 credits required for group A & B.

2. Any elective courses from BME Institute.
3. Students who take course from other institutes need fill “[Courses Recognition Application Form](#)” and approved by thesis advisor in order to account for graduation credits.

Group C

- Students of the Ph.D. program in Biomedical Engineering Institute are required to complete a minimum of **18 credits including 4 credits of seminars** for graduation.

Biomedical Engineering BME	P8-021 P850020-1 [BME9690]	MD	Discussion	SEMINAR (2) Course taught in English The course enrollment is for 1st year doctoral students, MDI and foreign students who major in Biomechanic and Materials only.	1 Required
Biomedical Engineering BME	P8-022 P850020-2 [BME9690]	MD	Discussion	SEMINAR (2) Course taught in English The course enrollment is for 1st year doctoral students, MDI and foreign students who major in Biomedical electronic and Biosensor only.	1 Required
Biomedical Engineering BME	P8-023 P850040-1 [BME9690]	MD	Discussion	SEMINAR (4) Course taught in English The course enrollment is for 2nd year doctoral students, MDI and foreign students who major in Biomechanic and Materials only.	1 Required
Biomedical Engineering BME	P8-024 P850040-2 [BME9690]	MD	Discussion	SEMINAR (4) Course taught in English The course enrollment is for 2nd year doctoral students, MDI and foreign students who major in Biomedical electronic and Biosensor only.	1 Required
Biomedical Engineering BME	P8-033 P850010-1 [BME9690]	1 MD	Discussion	SEMINAR (1) Course taught in English Taught in English- Biomechanics	1 Required
Biomedical Engineering BME	P8-034 P850010-2 [BME9690]	1 MD	Discussion	SEMINAR (1) Course taught in English Taught in English- Bioelectronics	1 Required
Biomedical Engineering BME	P8-035 P850030-1 [BME9690]	2 MD	Discussion	SEMINAR (3) Course taught in English Taught in English- Biomechanics	1 Required
Biomedical Engineering BME	P8-036 P850030-2 [BME9690]	2 MD	Discussion	SEMINAR (3) Course taught in English Taught in English- Bioelectronics	1 Required

4 Credits Required

(Four credits of seminars, please choose the right group by following the information.)

Biomechanics--Group A

Professor	Email
Fong-Chin Su	fcsu@mail.ncku.edu.tw
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Bioelectronics--Group B

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Ching-Hsiang Fan	s1024@msn.com

2. Group C: Students in group C must take at least 6 credits in (1) college level Engineering Mathematics, (2) Engineering Mathematics in Medicine, or (3) Statistics and Clinical Trials for Medical Device at the graduate school level of NCKU.

Biomedical Engineering BME	P8-004 P810810 [BME7000]	MD	Lecture	THE ENGINEERING MATHEMATICS IN MEDICINE Course taught in English	3 Elective
Biomedical Engineering BME	P8-066 P860600 [BME7014]	MD	Lecture	STATISTICS AND CLINICAL TRIALS FOR MEDICAL DEVICE Surgical Translation & Advanced Research (STAR) Program² * Medical Device Certificate Program² Course taught in English	3 Elective

6 credits required for group C.

3. Any elective courses from BME Institute.
4. Students who take course from other institutes need fill “[Courses Recognition Application Form](#)” and approved by thesis advisor in order to account for graduation credits.

Group D

- Students of the Ph.D. program in Biomedical Engineering Institute are required to complete a minimum of **18 credits including 4 credits of seminars** for graduation.

Biomedical Engineering BME	P8-021 P850020-1 [BME9690]	MD	Discussion	SEMINAR (2) Course taught in English The course enrollment is for 1st year doctoral students, MDI and foreign students who major in Biomechanics and Materials only.	1 Required
Biomedical Engineering BME	P8-022 P850020-2 [BME9690]	MD	Discussion	SEMINAR (2) Course taught in English The course enrollment is for 1st year doctoral students, MDI and foreign students who major in Biomedical electronic and Biosensor only.	1 Required
Biomedical Engineering BME	P8-023 P850040-1 [BME9690]	MD	Discussion	SEMINAR (4) Course taught in English The course enrollment is for 2nd year doctoral students, MDI and foreign students who major in Biomechanics and Materials only.	1 Required
Biomedical Engineering BME	P8-024 P850040-2 [BME9690]	MD	Discussion	SEMINAR (4) Course taught in English The course enrollment is for 2nd year doctoral students, MDI and foreign students who major in Biomedical electronic and Biosensor only.	1 Required
Biomedical Engineering BME	P8-033 P850010-1 [BME9690]	1 MD	Discussion	SEMINAR (1) Course taught in English Taught in English- Biomechanics	1 Required
Biomedical Engineering BME	P8-034 P850010-2 [BME9690]	1 MD	Discussion	SEMINAR (1) Course taught in English Taught in English- Bioelectronics	1 Required
Biomedical Engineering BME	P8-035 P850030-1 [BME9690]	2 MD	Discussion	SEMINAR (3) Course taught in English Taught in English- Biomechanics	1 Required
Biomedical Engineering BME	P8-036 P850030-2 [BME9690]	2 MD	Discussion	SEMINAR (3) Course taught in English Taught in English- Bioelectronics	1 Required

4 Credits Required

(Four credits of seminars, please choose the right group by following the information.)

Biomechanics--Group A

Professor	Email
Fong-Chin Su	fcsu@mail.ncku.edu.tw
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Bioelectronics--Group B

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Ching-Hsiang Fan	s1024@msn.com

2. Must take **Biodesign 1 and 2** in BME. Those who **don't have Physiology or Human Anatomy background** are required to take 3 credits in Physiology or Human Anatomy from NCKU medical school or other graduate schools in NCKU.

Biomedical Engineering BME	P8-064 P853510 [BME7005]	MD	Lecture	BIODESIGN(1) - IDENTIFY UNMET NEEDS & PRACTICE INVENTION Medical Device Certificate Program ² Course taught in English Industry Experts Co-teaching MDI Required/Taught in English	3 Required
Biomedical Engineering BME	P8-064 P853520 [BME7006]	MD	Lecture	BIODESIGN(2) - IMPLEMENTATION OF INNOVATIVE MEDICAL DEVICES Medical Device Certificate Program ² Course taught in English Industry Experts Co-teaching	3 Required

All are required for group D.

Biomedical Engineering BME	P8-010 P881700 [BME7012]	MD	Lecture	ENGINEERING PHYSIOLOGY Medical Device Certificate Program ² Course taught in English	3 Elective
Biomedical Engineering BME	P8-006 P855000 [BME7500]	MD	Lecture	ANATOMY Surgical Translation & Advanced Research (STAR) Program ² Medical Device Certificate Program ²	3 Elective

3 credits required for group D.(if you don't have those background)

3. For those who **have no Engineering Mathematics background**, 3 credits in Engineering Mathematics or Statistics and Clinical Trials for Medical Device must be taken.

Biomedical Engineering BME	P8-066 P860600 [BME7014]	MD	Lecture	STATISTICS AND CLINICAL TRIALS FOR MEDICAL DEVICE Surgical Translation & Advanced Research (STAR) Program ² Medical Device Certificate Program ² Course taught in English	3 Elective
Biomedical Engineering BME	P8-004 P810810 [BME7000]	MD	Lecture	THE ENGINEERING MATHEMATICS IN MEDICINE Course taught in English	3 Elective

3 credits required for group D.(if you don't have those background)

4. Any elective courses from BME Institute
5. Students who take course from other institutes need fill “[Courses Recognition Application Form](#)” and approved by thesis advisor in order to account for graduation credits.

Table for International Master students. (At least 44 credits are needed. Including the following regulations.) (If you are not Biomedical Engineering background at National Cheng Kung University)

Note: If you have master degree, you can apply your transcript to department through your advisor. Department will check if any credits can be waived during the faculty meeting.

	All Required	Required 1 (6 credits)	Required 2 (3 credits)	Others
Group A & B	4 Credits of Seminars (English)	Engineering Physiology Anatomy Other Biology related courses from NCKU medical school.	None	Any elective courses
Group C		College level Mathematics in Medicine Mathematics in Medicine Statistics and Clinical Trials for Medical Device		
Group D		BioDesign I BioDesign II	Engineering Physiology Anatomy (if you don't have the background) Engineering Mathematics Statistics and Clinical Trials for Medical Device (if you don't have the background)	