

DEPARTMENT OF BIOENGINEERING
Regulations for the award of Honours, Part 4
2020-21

MEng Degree in Biomedical Engineering Part 4 - Year Abroad Programme BHV1

Preamble

Students on the programme “BHV1 - MEng in Biomedical Engineering with a year abroad” - take their final year in the Bioengineering Departments at one of the following universities:

- **Eidgenössische Technische Hochschule Zürich**
- **Grenoble Institute of Technology, France**
- **University of California (e.g. Berkeley, San Diego, Irvine, Los Angeles, Santa Barbara, Davis)**
- **National University of Singapore**
- **The University of Melbourne**

Course Selection Rules

ETH Zurich Biomedical Engineering

Students will take MSc courses and also a final year project. Students must take a total of between 60 and 65 ECTS, including the project.

Grenoble Institute of Technology, France (School of Physics, Applied Physics, Electronics, and Material Science)

Students will be in the Systems and Microsystems for Physics and Biotechnology specialisation. Students will take courses from Semester 3, 4, and 5 as well as completing a project. Some courses are taught in French. Students must take a total of between 60 and 65 ECTS, including the project.

National University of Singapore (Department of Bioengineering)

Students will be affiliated to the Department of Bioengineering, but can follow courses in other departments if suitable. Students must take at least 7 courses from Semester 5 and above, as well as the “BN4101R: B.Eng. dissertation” as project.

The University of Melbourne

Students can take courses from the third year Bioengineering Systems undergraduates studies as well as from the [Master of Engineering](#) (Biomedical). It is possible to take other relevant courses, provided that all prerequisites are met.

UC: Previous bioengineering students were selected for these three universities

University of California Berkeley

Students must take at least 6 final year (senior) courses or level 200 technical options. Students are advised to take BioE 196 to satisfy their project requirement. It is critical to ensure the prerequisites are satisfied before enrolling on a course. Students must also take a final year project.

University of California San Diego

Students must take at least 6 MSc courses. Students must also take a final year project. Students are advised to take BENG 199 to satisfy their project requirement. It is critical to ensure the prerequisites are satisfied before enrolling on a course.

University of California Davis

Students must take at least 6 MSc courses or level 200 technical options. Students must also take a final year project. Students are advised to take BENG 199 to satisfy their project requirement. It is critical to ensure the prerequisites are satisfied before enrolling on a course.

Marking Conversion Schemes

Project mark:

The project report is marked by both the host Institution and Imperial College London. The second marker is a Department of Bioengineering, Imperial College academic staff member – first and second marks are equally weighted. There is no interim report.

Final mark contribution:

Exam mark 50%

Project mark 50%

The final year counts as 1/3 of the overall degree mark.

In addition, the examination marks are converted as follows:

Eidgenössische Technische Hochschule Zürich

1. Each course mark is multiplied by the number of course ECTS credits.
2. The best (course mark * course ECTS credits) is taken such that the total number of ECTS is between 60 and 65 including project.
3. The average mark per ECTS credit is calculated
4. This is converted to an Imperial College mark by multiplying by 25 and subtracting 60.

National University of Singapore

1. Each letter grade given on the transcript is translated into Imperial College marks as follows:-
A+=80%, A=75%, A-=72%, B+=68%, B=65%, B-=63%, C+=58%, C=55%, C-=50%,
D+=48%, D=45%, F < =40%
2. The percentage mark from the converted grade for each course is multiplied by the number of credits for that course.
3. The best 7 (marks * credits) are taken and summed.
4. This sum is divided by the total number of credits.

The University of Melbourne

IC mark for a course = (Melbourne Mark-50)*(6/5)+40

Courses are then weighted by their credit contribution to get overall exam mark.

Grenoble Institute of Technology, France (School of Physics, Applied Physics, Electronics, and Material Science)

To be confirmed.

UC: Previous bioengineering students were selected for the Universities of California at Berkeley, Davis and San Diego, with the following conditions:

1. Each letter grade given on the transcript is translated into Imperial College marks as follows:-
A+=90%, A=80%, A-=70%, B+=68%, B=65%, B-=60%, C+=58%, C=55%, C-=50%,
D+=48%, D=45%, F < =40%
2. For graduate level courses only, a multiplier of 1.1 is then applied
3. The percentage mark from the converted grade for each course is multiplied by the number of credits for that course.
4. The best 6 (marks * credits) are taken and summed.
5. This sum is divided by the total number of credits.