

**Master of Engineering in Acoustics and Multimedia Technology**  
**Institute of Music, Science and Engineering**  
**King Mongkut's Institute of Technology Ladkrabang, THAILAND**

Institute of Music Science & Engineering (IMSE) is the first and only faculty in Thailand offering a bachelor degree program, B.Eng. in Music Engineering and Multimedia. This program has been successfully run, producing engineers and specialists in sound/audio engineering, acoustical engineering, sound design and so on, who support the entertainment industry in Thailand and solve the noise pollution problems that the country has faced for a long time due to the shortage of experts. Where our graduates began their career in many key areas of the related industries, it appears that the demand for more experienced and skilled experts is still high, which may only be met by a higher education beyond bachelor program. Offering an opportunity for students to deepen and extend their knowledge and experience in the topics mentioned above, IMSE opens a master degree program, M.Eng in Acoustics and Multimedia Technology, which is the first of its kind in the ASEAN countries.

**Job prospects**

Successful graduates will be qualified to work and conduct research in:

**1 The media & entertainment industry,**

for example, as a sound engineer for live events (light and sound system designer) or for sound mixing, recording and production in recording studios.



**2 Film, advertising and game & animation industry,**

for example, as a sound engineer for sound mixing, recording and production for game and film.



**3 Acoustic consultancy for room design and noise control,**

for example, designing small and large spaces for acoustic performance or controlling unwanted noises in various environments.



**4 Consumer electronics & musical instrument industry,**

for example, as a product developer for applying signal-processing & digital system design techniques to design audio equipment (e.g., mixer, equalizer, amplifier, etc.) or for improving and reinventing various musical instruments.



Institute of  
Music Science  
& Engineering

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# Curriculum

Our master program at IMSE runs in two academic years (two semesters per year), where the students are required to obtain 36 credit points or more, following one of the two study tracks (track 1 and track 2), both of which require a thesis.

## •Track 1

- Thesis: 36 credits

- Seminar: 4 credits (4 semesters; 1 credit point for each semester, which is however not counted for the graduation requirement)

## •Track 2

- Thesis: 24 credits

- Seminar: 3 credits (3 semesters; 1 credit point for each semester, which is however not counted for the graduation requirement)

- Core course: 6 credits

|  |   |         |
|--|---|---------|
| Advanced Signal Processing             | 3 | credits |
| Advanced Topics on Sound and Vibration | 3 | credits |

- Elective course: 6 credits

|                                     |   |         |
|-------------------------------------|---|---------|
| Advanced Sound Recording and Mixing | 3 | credits |
| Advanced Measurement Techniques     | 3 | credits |
| Human Perception of Sound           | 3 | credits |
| Musical Acoustics                   | 3 | credits |
| Sound Visualization Technology      | 3 | credits |
| Noise Control                       | 3 | credits |
| Building Technology                 | 3 | credits |

# Teaching and learning activities

This master program is an international program which will be offered in English. Students will be instructed and guided in lecture and laboratory sessions by our professors and lecturers with rich experience both in theories and industrial practices, who will also provide supervision on the students' thesis projects.

Keyboard Skills Laboratory



Computer Music Laboratory



Recording Studio



Surround system Laboratory



Electro-acoustic Laboratory



# IMSE

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More information

Contact

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Fb : [facebook.com/imsekmitl](https://facebook.com/imsekmitl)

Youtube : [youtube.com/MusicEngineeringKmitl](https://youtube.com/MusicEngineeringKmitl)