



**UniKL MIMET**

## **Bachelor of Engineering Technology in Naval Architecture and Shipbuilding**

The Naval Architecture and Shipbuilding programme is designed to prepare graduates to enter the workforce with a sound background in Naval Architecture technology along with a range of practical skills ready for use on their first day of employment.

The curriculum at UniKL MIMET is intended to provide students with a broad knowledge of shipbuilding engineering, to develop creativity and analytical skills through study of subjects in the areas of Mathematics, comprehensive mechanics, design theory, and interdisciplinary theories of mechanical and computerized engineering knowledge.

The study of naval architecture begins in the 1st year in order to familiarize the student as early as possible with ship and shipbuilding terms, technical facets of ship analysis and design, shipyard arrangements and general methods of ship construction.

### **Programme Duration**

Mode: Full-Time

Period: 4 years

**Are you creative?  
Do you like working with computers?  
Do you want to become a ship designer?**



**Embark on a global maritime career!**

**Choose Bachelor of Engineering Technology in Naval Architecture and Shipbuilding; a Royal Institution of Naval Architects (RINA) accredited programme.**

### **CONTACT INFORMATION:**

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**Universiti Kuala Lumpur (UniKL)**

**Malaysian Institute of Marine Engineering  
Technology (MIMET)**



## **Bachelor of Engineering Technology in Naval Architecture and Shipbuilding**

To produce professionals of competent human capital in combined specialization of Naval Architecture and Shipbuilding to meet the current and future demand of the marine related industries in the country and abroad.

To train and develop technical entrepreneurs in the combined specialization of Naval Architecture and Shipbuilding to be able to participate in the relevant activities of the marine industries.

A new specialised course "CMSE for Marine Applications" will be introduced for the 2018 cohort.

This course was developed as part of a project under the ERASMUS+ grant co-funded by the EU. The aim of this project (called **InMotion**) is to create **new strategies for training engineers/technologists via visual modelling environments and open learning platforms**".

Highlights of **CMSE for Marine Applications course** includes:

- student-centred approach;
- hybrid learning technologies;
- project-oriented teaching methods;
- different visual modelling environments for solving wide range of applied engineering problems;
- modelling and simulation of systems;
- an adaptive learning environment that meets the current needs of industry, focused on future technologies;
- interaction with potential employers at various stages of the training process;
- modern communication systems (high-resolution video-conferencing systems) supporting interaction on scientific and educational research projects;
- international training opportunities within the InMotion project team members (international summer school, international collective mini-projects, etc.)



### Specialised courses:

#### **MATHEMATICS & APPLIED SCIENCES**

Engineering Mathematics 1 & 2  
Engineering Science  
Strength of Materials  
Fluid Mechanics  
Applied Mechanics  
Thermodynamics  
Applied Dynamics  
Numerical Methods

#### **NAVAL ARCHITECTURE STUDIES**

Ship and Engineering Drawings  
Naval Architecture  
Welding Technology  
Shipbuilding Technology  
Ship Material & Production Technology  
Ship Resistance & Propulsion  
Offshore & Subsea Structures

#### **COMPUTER AND MATHEMATICAL MODELING**

Computer Aided Ship Design  
Introduction to Technical Computing  
Introduction to Programming  
CAM Technology  
Marine System Design  
Ship Design

### **OUR PARTNERS:**



### Programme Advantages:

- programme includes research projects;
- possibility of continuing education in partner and other universities abroad, on master's degree program and post-graduate degree;
- participation in local and international academic competitions.

### Latest Engineering Tools:

- modern computer labs that includes an open platform for distance learning and video-conferencing systems;
- ship design software i.e. MAXSURF, NAVCAD, PROPCAD, SHIPFLOW;
- popular software i.e. AutoDesk Inventor, AutoCAD, MATLAB-Simulink.

### Successful job placement of graduates:

- at leading shipbuilding companies
- in ship design houses;
- in higher educational institutions;
- in ship classification societies.

### The employers of our graduates:

- Bureau Veritas (BV)
- Schlumberger
- Vale
- PETRONAS
- Malaysia Marine Heavy Engineering (MMHE)
- Ships Classification Malaysia (SCM)
- Boustead Naval Shipyard (BNS)
- RANACO
- Marine Technology Company (MTC)