

ENTRANCE REQUIREMENTS

3rd or 4th year Bachelor students & Master students in the following fields of study :

- Automotive Engineering
- Mechanical Engineering
- Aerospace Engineering
- Materials Engineering
- Electronics/ICT
- Electromechanical Engineering
- Electronics and Automation
- Industrial Technology
- Industrial Engineering
- Industrial Electrical Engineering

HOW TO APPLY

- **Application Dates : March 6 – May 30, 2017.**
- Places Available : 30
- ECTS credits: 3
- Application form and documentation at: <http://www.master-greendrive.eu>
- Fees : 650€ (*including social activities, food (breakfast & lunch) and accommodation*)
- Other expenses are the student's own responsibility.



satriowicaksono@ftmd.itb.ac.id
sofie.krol@uantwerpen.be



SUMMER COURSE

2nd – 15th July 2017

Institut Teknologi Bandung
INDONESIA



Joint Master in Sustainable Automotive Engineering

Programme developed by a consortium of 4 European partners in Belgium, France, Spain and United Kingdom and ITB, Indonesia



Want to get an insight into some INNOVATIVE AUTOMOTIVE TECHNOLOGY ?

OBJECTIVES

The aim of this course is to **ENHANCE YOUR ENGINEERING COMPETENCIES** for the **automotive industry**. You will study some of the innovative technologies in the areas of powertrain, NVH and the dynamics of electric engines, vehicle dynamics, crashworthiness, and advanced manufacturing-DFMA which will be the key components of future vehicles.

LEARNING OUTCOMES

The course will help you:

1. To improve your **knowledge of advanced powertrain** optimization and calibration / sustainable powertrains, system engineering, quality and system control, decision modeling and powertrain design, and powertrain control
2. To broaden your **understanding of vehicle body structure and crashworthiness** design
3. To develop your **knowledge of vehicle dynamics**, suspension and steering system
4. To enrich your **knowledge related to design for manufacturing and assembly – DFMA** in modern vehicles



Three interlinked topics will be examined during this summer course :

1

Powertrain technology influences energy consumption and offers greater control over internal and external safety.

2

Crashworthiness and manufacturing design represent an opportunity to **reduce energy consumption** and contribute to the safety of the vehicle's occupants.

3

Vehicle dynamics related to vehicle performance to **increase comfort and safety**, and also **reduce fuel consumption**.



The course will be held at

Institut Teknologi Bandung (ITB), Bandung, INDONESIA.

Participants will **develop a project** each week.

Classes will be given by **experienced researchers and project managers** working in these topics.

Appropriate balance between **lectures, case studies and visits to industry and technological centers** will give you a comprehensive **overview of the** expected engineering skills for the future.



More information :

www.master-greendrive.eu