

Undergraduate Program (พ.ร.บ. 2558)

CDIO-based Education

CDIO-based Education (Conceive – Design – Implement – Operate) (Thailand Accreditation Body for Engineering Education: TABEE)

Hands-on Professional Graduates (Council of Engineers) 1. 2.

3. **Production Engineering**

Production Engineering is a branch of engineering that deals with the design, development, and production of manufacturing systems. It involves the application of engineering principles to the design and production of manufacturing systems, including the design of manufacturing processes, the selection of manufacturing equipment, and the optimization of manufacturing systems. Production Engineering is a multidisciplinary field that draws on knowledge from various engineering disciplines, including mechanical engineering, electrical engineering, and industrial engineering.

4. **Automatic Production & CNC Technology**

Automatic Production & CNC Technology is a branch of Production Engineering that deals with the design and production of manufacturing systems that are capable of automatic production. This involves the use of computer-aided manufacturing (CAM) technology to design and produce manufacturing systems that can automatically produce parts and components. Automatic Production & CNC Technology is a highly specialized field that requires a deep understanding of manufacturing processes and the ability to design and produce complex manufacturing systems.

5. **Simulation**

Simulation is a branch of Production Engineering that deals with the use of computer models to simulate manufacturing processes. This involves the use of software tools to create virtual models of manufacturing systems, which can be used to analyze and optimize the performance of the system. Simulation is a highly specialized field that requires a deep understanding of manufacturing processes and the ability to use computer models to simulate and optimize manufacturing systems.

6. **Forming Process**

Forming Process is a branch of Production Engineering that deals with the design and production of manufacturing systems that are capable of forming parts and components. This involves the use of various forming processes, such as casting, forging, and extrusion, to produce parts and components. Forming Process is a highly specialized field that requires a deep understanding of manufacturing processes and the ability to design and produce complex manufacturing systems.

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(Tool & Die)

Tool & Die is a branch of Production Engineering that deals with the design and production of manufacturing systems that are capable of producing tools and dies. This involves the use of various manufacturing processes, such as casting, forging, and extrusion, to produce tools and dies. Tool & Die is a highly specialized field that requires a deep understanding of manufacturing processes and the ability to design and produce complex manufacturing systems.

(Composite Matier)

Composite Matier is a branch of Production Engineering that deals with the design and production of manufacturing systems that are capable of producing composite materials. This involves the use of various manufacturing processes, such as casting, forging, and extrusion, to produce composite materials. Composite Matier is a highly specialized field that requires a deep understanding of manufacturing processes and the ability to design and produce complex manufacturing systems.

(Industrial Engineering)

Industrial Engineering is a branch of engineering that deals with the design, development, and production of manufacturing systems. It involves the application of engineering principles to the design and production of manufacturing systems, including the design of manufacturing processes, the selection of manufacturing equipment, and the optimization of manufacturing systems. Industrial Engineering is a multidisciplinary field that draws on knowledge from various engineering disciplines, including mechanical engineering, electrical engineering, and industrial engineering.

QCDSME (Quality-Cost-Delivery-Safety-Morale-Environment)

QCDSME is a branch of Industrial Engineering that deals with the design and production of manufacturing systems that are capable of producing high-quality products at a low cost, delivered on time, and with a high level of safety, morale, and environmental friendliness. QCDSME is a highly specialized field that requires a deep understanding of manufacturing processes and the ability to design and produce complex manufacturing systems.

(Quality Management)

Quality Management is a branch of Industrial Engineering that deals with the design and production of manufacturing systems that are capable of producing high-quality products. This involves the use of various manufacturing processes, such as casting, forging, and extrusion, to produce high-quality products. Quality Management is a highly specialized field that requires a deep understanding of manufacturing processes and the ability to design and produce complex manufacturing systems.

(Feasibility Study) (Productivity Management)

(Design of Experiment)

(Computer for IE)

IT

(Logistics & Supply Chain Management)

IE Graduate Attributes



2556

2558

(Knowledge)

(Core Engineering) (PE)

(IE)

(Skills) (Thinking Skills) (Teamwork Skills)

(Communication Skills)

(Attitudes)

(Cooperative Education and On-the-job Training)

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2. Undergraduate Program

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Undergraduate Programs Offer

1. 4-year Bachelor Degree Program in Industrial Engineering for high school and vocational certificate graduates

2. 3-year Bachelor Degree Program in Industrial Engineering for vocational diploma graduates

3. 3 ½ -year Bachelor Degree Programs in Industrial Engineering for vocational diploma graduates

