

# Bachelor of Science (Industrial Statistics) with Honours

## A. UNIVERSITY

### 1. UTHM Vision

Towards a world class university in engineering, science and technology for sustainable development

### 2. UTHM Mission

UTHM is committed to generate and disseminate knowledge, to meet the needs of industry and community and nurturing creative and innovative human capital, based on tauhidic paradigm

### 3. UTHM Education Philosophy

The education and training in this university is a continuous effort to lead in the market oriented academic programmes. These programmes are student-focused and are conducted through experiential learning in order to produce well trained human resource and professionals who are catalysts for a sustainable development

## B. PROGRAMME

### 1. Programme Aims

To produce graduates who are competent and implement tauhidic approach in developing human attitude through training and a holistic multidisciplinary program to meet current market needs and be able to compete globally. This effort is realized with the energy deployment and the optimization of expertise.

### 2. Programme Educational Objectives (PEO)

The programme educational objectives for Bachelor of Science (Industrial Statistics) with Honours programme (BWQ) are to produce graduates who are able to:

PEO	Description	Key Performance Index (KPI)
PEO 1	Competent and innovative in providing sustainable solutions to fulfill the needs of organisation. [PLO 1, PLO 2, PLO 3, PLO 6, PLO 7]	70% working in industries  5% participated in product development  5% winning any related awards
PEO 2	Continuously self-updating and contributing knowledge to the betterment of community, society and nation. [PLO 1, PLO 5, PLO 9, PLO 10, PLO 11]	10% participated in conference / journal publication / research activity etc.  5% has involved in community service  5% has involved in

		entrepreneurial activity
<b>PEO 3</b>	Key members in the organisation practising ethics and professionalism. [PLO 4, PLO 8, PLO 11]	20% managing or leading a project  60% involved as team member in a project  5% involved in professional bodies

### 3. Programme Learning Outcomes (PLO)

The programme learning outcomes for Bachelor of Science (Industrial Statistics) with Honours programme (BWQ) are to produce graduates who are able to:

<b>PLO 1</b>	Knowledge and Understanding	Demonstrate technical knowledge and comprehensive applications related to Industrial Statistics.
<b>PLO 2</b>	Cognitive Skills	Apply critical, analytical and systematic evaluation skills to solve statistical problems with creative and innovative solution(s).
<b>PLO 3</b>	Practical Skills	Perform practical and technical skills in the field of statistics such as demonstration, application of statistical packages and problem solving in various situations.
<b>PLO 4</b>	Interpersonal Skills	Exhibit good relationship, interact with others and work effectively in fulfilling individual and group tasks when tackling issues related to statistics.
<b>PLO 5</b>	Communication Skills	Communicate and deliver information effectively in both written and verbal forms.
<b>PLO 6</b>	Digital Skills	Use a broad range of information and media technologies to support the learning process.
<b>PLO 7</b>	Numerical Skills	Analysing data based on numerical and visualisation skill to support decision making.
<b>PLO 8</b>	Leadership, Autonomy and Responsibility	Demonstrate decision making professionally, autonomously and responsibly in managerial capacities, learning and working activities.
<b>PLO 9</b>	Personal Skills	Engage in continuous lifelong learning enhancement of knowledge in the field of statistics and related discipline.
<b>PLO 10</b>	Entrepreneur	Initiate a plan and ideas of self-driven entrepreneurship.
<b>PLO 11</b>	Ethics and Professionalism	Make decision ethically and act professionally within various social and professional environments.

