

## MASTER OF SCIENCE (INDUSTRIAL STATISTICS)

### 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 Educational Objectives (PEO)

The programme educational objectives for Master of Science (Industrial Statistics) programme (MWA) are to produce graduates who are able to:

PEO	Description	Key Performance Index (KPI)
PEO 1	Expert and competent in providing sustainable solutions to fulfill the needs of an organisation. [PLO 1, PLO 2, PLO 3, PLO 6, PLO 7]	at least 70% working in an organisation/ further in research.
PEO 2	Continuously fostering good strategic thinking for the betterment of community, society and nation. [PLO 1, PLO 5, PLO 9, PLO 10, PLO 11]	at least 15% participated in research activity/ consultation needs.
PEO 3	Key members in the organisation with high consideration to the professionalism and ethics. [PLO 4, PLO 8, PLO 11]	at least 50% manage and monitor main project.  at least 5% involve in professional bodies or obtained professional certificate.

#### 2. Programme Learning Outcomes (PLO)

The programme learning outcomes for Master of Science (Industrial Statistics) programme (MWQ) are to produce graduates who are able to:

PLO 1	Knowledge and Understanding	Demonstrate expertise in the field of Industrial Statistics [K].
PLO 2	Cognitive Skills	Generate scientific solutions to related problems in the field of Industrial Statistics through creativity, critical thinking and systematic analytical skills [C].
PLO 3	Practical Skills	Perform specialized practical and technical skills in solving problem through various situations and related to Industrial Statistics [P].
PLO 4	Interpersonal Skills	Work effectively as a team to achieve specific objectives [IS].
PLO 5	Communication Skills	Deliver information, communicate effectively and link ideas in both written and verbal forms related to Industrial Statistics [CS].
PLO 6	Digital Skills	Implement various digital technology applications in solving problems related to Industrial Statistics and working activities [DS].
PLO 7	Numerical Skills	Produce and analyse data by applying numerical and visualisation skills to support decision making in various field of Industrial Statistics [NS].
PLO 8	Leadership, Autonomy and Responsibility	Demonstrate good leadership characteristics and adapt responsibility throughout learning, working activities and collaboration among researchers and stakeholders [LAR].
PLO 9	Personal Skills	Engage in lifelong learning and information management to enhance knowledge and personal skills related to Industrial Statistics [PS].
PLO 10	Entrepreneur	Adapt the entrepreneur interest, concepts and planning processes to undertake an entrepreneurial ideas [ES].
PLO 11	Ethics and Professionalism	Conduct research with minimum supervision subject to legislation, ethics and code of professional practice [EP].