

WHY CHOOSE SEV?

Our innovative program leverages advanced data-driven solutions to effectively address and resolve critical environmental issues. From climate change to conservation efforts, from pollution mitigation to renewable energy strategies, this program is equipped with the tools to decipher environmental issues through the lens of data science. Join us in a journey where curiosity meets computation, where every data point becomes catalyst for change. Environmental analytics is not just about expert in analysing data, it's about shaping a greener, savvy personal and brighter future.

CAREER PROSPECTS

Government sector

- Science officer
- Administrative and diplomatic officer
- Environmental Control Officer
- Research officer
- Lecturer/ Educator

Private sector

- Environmental
 - ▶ Professional Environment/ Sustainability Executive
 - ▶ Environmental data analyst and manager
 - ▶ Innovation executive
 - ▶ Environmental Scientist
 - ▶ Environmental Technologist
- Environmental Consulting
 - ▶ Environmental modeler
 - ▶ Environmental health assessor
 - ▶ Industrial environmental health monitor

- Environmental Technology Entrepreneur
 - ▶ Techno-entrepreneurial manager
 - ▶ Environmental technology entrepreneur (Aerial/ Drone/ GIS/ Remote Sensing)

- Environmental activist
- Environmental conservation executive

Non-Government Sector

- Environmental activist
 - ▶ Environmental conservation and sustainability



Faculty of Earth Science
Universiti Malaysia Kelantan Jeli Campus
17600, Jeli Kelantan

Tel: **09-9477030** Fax: **09-9477032**

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UNIVERSITI
MALAYSIA
KELANTAN



**BACHELOR OF APPLIED SCIENCE
(ENVIRONMENTAL ANALYTICS)
WITH HONOURS**

FACULTY OF EARTH SCIENCE

KEUSAHAWANAN TERAS KAMI • ENTREPRENEURSHIP IS OUR THRUST



#Harnessing Analytics for Environmental Solutions

BACKGROUND

Environmental analytics is an interdisciplinary undergraduate program that combines principles of environmental science, statistics, computer science, and data analytics to analyze, model, and interpret data related to the natural world. The graduate of this program will be able to understand complex environmental phenomena, predict future trends, and develop sustainable resource management and conservation strategies.

COURSES OFFERED

- Environmental Data Acquisition and Mining
- Earth Climate System
- Data Analysis and Exploration
- Environmental Modelling
- Environmental Simulation
- Social and Environmental Impact Assessment
- Photogrammetric Application for Environment
- Environmental GIS
- Environmental Planning and Management.

DURATION OF STUDY

Full time: **3.5 years (7 long semesters, 1 short semester)**
Part time: **5.5 years (11 long semesters, 1 short semester)**

ADMISSION REQUIREMENT

GENERAL REQUIREMENTS

Passed the Sijil Pelajaran Malaysia (SPM) with a credit (Grade C) in Bahasa Melayu/Bahasa Malaysia subject or a credit (Grade C) in Bahasa Melayu/Bahasa Malaysia subject and pass in History subject (from 2013 onwards).

- STPM

Passed the Sijil Tinggi Persekolahan Malaysia (STPM) with at least CGPA of 2.0 and Grade C (SGP 2.0) in THREE (3) subjects including General Studies.

- MATRICULATION

Passed the KPM Matriculation/ UMK Science Foundation with at least CGPA of 2.0.

SPECIAL PROGRAMME REQUIREMENTS

- STPM

Obtained a minimum CGPA of 2.0
and
Obtained a minimum Grade C+ at STPM level in Mathematics (T)/ Mathematics (M).

- MATRICULATION

Obtained a minimum CGPA of 2.0
and
Obtained a minimum Grade C+ at Matriculation/ Foundation level in Mathematics.

- DIPLOMA

Obtained a minimum CGPA of 2.5
and
Possess a Diploma in related fields from an institution recognised by the Malaysian government, MQA and certified by the UMK Senate
or
Have other qualifications recognised as equivalent by the Malaysian Government and certified by the UMK Senate.

MUET BASIC REQUIREMENTS

Obtained at least Level 2 (Band 2) in the Malaysian University English Test (MUET).

