



MIMOS
ACADEMY

MIMOS ACADEMY

Empowering Malaysia's Future Tech Talent

WHO WE ARE

- MIMOS Academy was established in 2024 as a national talent development centre under MIMOS Berhad, an agency under the Ministry of Science, Technology and Innovation (MOSTI).
- Our mission is to empower and build future skill talent for Malaysia's semiconductor and advanced technology industry.
- We specialise in industry-aligned technical training, professional certifications, and capability development programmes.
- Strategically located at MIMOS Kulim Hi-Tech Park (KHTP), within the E&E industry vicinity.



OUR CORE TRAINING DOMAINS

- 1 SEMICONDUCTOR WAFER FABRICATION, FAILURE ANALYSIS & MATERIAL ANALYSIS
- 2 PROBLEM SOLVING (SIX SIGMA TRAINING PROGRAMME)
- 3 CERTIFIED SOLIDWORKS PROFESSIONAL (CWSP)
- 4 EMBEDDED SYSTEMS
- 5 IC DESIGN ANALOG / DIGITAL
- 6 ARTIFICIAL INTELLIGENT (AI)
- 7 AUTOMATED TEST EQUIPMENT (ATE)
- 8 INTERNET OF THINGS (IOT)





MIMOS ACADEMY

PROGRAMMES

We offer a wide range of specialised training and certification programmes tailored to industry needs:

Semiconductor Wafer Fabrication, Failure Analysis & Materials Analysis

- ST-01 Semiconductor Wafer Fabrication training
- ST-02 Advanced Analytical Training

Six Sigma Problem Solving

- PB-01 Six Sigma Training Programme (Six Sigma White Belt)
- PB-02 Six Sigma Training Programme (Six Sigma Yellow Belt)
- PB-03 Six Sigma Training Programme (Six Sigma Green Belt)
- PB-04 Six Sigma Training Programme (Six Sigma Black Belt)
- PB-05 Problem Solving – Basic Quality Tools Training Programme
- PB-06 Problem Solving – Measurement System Analysis (MSA) Training Programme
- PB-07 Problem Solving – Process Capability Analysis Training Programme
- PB-08 Problem Solving – Design of Experiment (DoE) Training Programme

Certified SolidWorks Professional (CSWP)

- CWSP-01 Solid Works Essential
- CWSP-02 SolidWorks Advanced Part Modelling
- CWSP-03 SolidWorks Advanced Assembly Modelling
- CWSP-04 CSWP Refresher

Embedded Systems

- ES-01 Embedded Skills (Fundamental Level)
- ES-02 Embedded Skills (Basic Level)
- ES-03 Embedded Skills (Intermediate Level)
- ES-04 Embedded Skills (Advanced Level)

IC Design Analog

- ICD-A1 IC Design (Analog) Beginner Level
- ICD-A2 IC Design (Analog) Intermediate Level
- ICD-A3 IC Design (Analog) Advanced Level
- ICD-A4 Layout Technique & IO Pad Placement
- ICD-A5 CMOS Amplifier Design
- IC Design Digital
- ICD-D1 IC Design (Digital) Beginner Level
- ICD-D2 IC Design (Digital) Intermediate Level
- ICD-D3 IC Design (Digital) Advanced Level
- ICD-D4 Layout Technique & IO Pad Placement

Automatic Test Equipment

- ATE-01 Industrial Electronic Troubleshooting and Debugging Techniques with Digital Storage Oscilloscope
- ATE-02 Practical Guide to RF Measurement
- ATE-03 Mastering Impedance Measurement with LCR Meter or Impedance Analyser
- ATE-04 Practical Training on Parametric Analyser for IV Curve Tracing

Internet Of Things

- IOT-01 IOT Fundamental
- IOT-02 IOT System Design
- IOT-03 IOT Wireless Communications
- IOT-04 IOT Sensors and Power Management



THE ROLE OF SOFT SKILLS IN THE SEMICONDUCTOR INDUSTRY

While technical expertise remains the foundation of the semiconductor industry, soft skills are increasingly critical in enabling professionals to thrive in complex, fast-paced, and globally connected environments.

From effective communication and cross-cultural collaboration to leadership agility and ethical decision-making, these competencies empower engineers and technical teams to work more efficiently, adapt to change, and drive innovation.

At MIMOS Academy, we recognise that technical excellence must be complemented by strong interpersonal and professional capabilities. Our soft skill programmes are designed to bridge this gap, preparing talent not only to perform, but to lead and grow in the evolving landscape of advanced technologies.

SOFT SKILLS FOR FUTURE-READY

To complement technical excellence, MIMOS Academy offers a structured suite of soft skills programmes designed to enhance personal effectiveness, leadership agility, and professional communication. All essential for thriving in the fast-paced, global semiconductor industry.

Area of Training in Soft Skills

MIMOS Academy offers a growing portfolio of soft skill programmes tailored to support the development of future-ready engineers and professionals. The following are some of our popular courses:

Critical Thinking & Innovation

- Critical Thinking & Problem-Solving
- The Ethics of Innovation and Emerging Technologies

Communication & Collaboration

- Communication Skills for Engineers
- Cross-Cultural Collaboration in the Global Semiconductor Industry

Personal Effectiveness

- Emotional Intelligence in the Workplace
- Time Management & Productivity in a Hybrid Work Environment
- Change Management & Resilience Building

Leadership & Career Development

- Leadership Agility in a Digital Age
- Industry Immersion & Career Exposure

Additional topics are available upon request. Programmes can be tailored to meet specific organisational needs.

Target Audience

- ✓ Private Sector & SMEs
- ✓ Technical Professionals
- ✓ Fresh Graduates
- ✓ Government Agencies & GLCs
- ✓ Universities & Research Institutions

Contact us:

MIMOS Academy

Lot 2/3 Fasa 1, Kulim Hi-Tech Park, 09000 Kulim Kedah Darul Aman, Malaysia

Tel: +60 3 8995 5058 | MOHD ABU SA'ID: +60 13 947 4223 | FUZIAH: +60 17 997 8421 Fax: +60 3 8991 4315

Email: academy@mimos.my