GRADUATE PROGRAMMES

MASTER OF TECHNOLOGY IN ENTERPRISE BUSINESS ANALYTICS (MTECH EBAC)

Achieved improved business outcome through data insights
- Foundations of business analytics
- Data Analytics
- Advanced Analytics
- Decision Making and Optimisation

Learning Outcomes
- Emphasis on tools and techniques to build analytics capability
- Translate complex data into insights and actions
- Use predictive models to drive better business outcomes

TEAM-BASED INTERNSHIP OR OFF-SITE PROJECT

Strong practice focus with real industry outcomes

MASTER OF TECHNOLOGY IN IT LEADERSHIP (MTECH ITL)

Lead digital transformation and run a high-performing IT organisation
- Digital Business Transformation
- The Practice of IT and Business
- IT Leadership and People

Learning Outcomes
- Lead digital business value creation in organisations
- Embrace risk, agility and innovation
- Communicate ideas and transform the business

MASTER OF TECHNOLOGY IN KNOWLEDGE ENGINEERING (MTECH KE)

Apply concepts, techniques and methods of intelligent systems
- Intelligent systems and techniques for business analytics
- Data warehousing for business analytics
- Data mining methodology and methods
- Develop intelligent systems for business analytics

Learning Outcomes
- Created strategic advantage with intelligent systems
- Use data and knowledge to drive decisions
- Apply techniques that make systems smart

ELECTIVE TOPICS FOR MTECH SE, KE AND EBAC

Advanced IT Management
Business Analytics Techniques
IT Infrastructure Technology
Knowledge Engineering Techniques

Requirements, Design & Construction
Software Development Platforms & Technologies
Technopreneurship & Innovation

MASTER OF TECHNOLOGY IN SOFTWARE ENGINEERING (MTECH SE)

Build robust, secure and maintainable software systems using innovative software technology
- Basic Software Engineering Discipline
- Object-Oriented Analysis and Design
- Software Project Management
- Software Quality Management

Learning Outcomes
- Successfully deliver technically advanced software projects
- Design effective platforms and solutions
- Agility and digital relevance

Stackable Certificate Programmes in Software Architecture
- NICF - NUS-ISS Certificate in Software Architecture – Foundations
- NICF - NUS-ISS Certificate in Software Architecture – Solutioning
- NICF - Software Architecture and Design Project

GRADUATE DIPLOMA IN SYSTEMS ANALYSIS (GDIPSA)

Craft a new career path in the infocomm industry
- Methodology
- Technology
- Databases
- Programming - C# Suite
- Java Suite
- Internet Application Development
- Project Management
- Mobile Solution Development

Learning Outcomes
- Business requirement analysis
- Systematically analyse and design practical digital solutions
- Code, test and implement proposed solutions and troubleshoot problems

Stackable Certificate Programmes in Digital Solutions Development
- NICF - NUS-ISS Certificate in Digital Solutions Development - Foundations
- NICF - NUS-ISS Certificate in Digital Solutions Development - Design
- NICF - NUS-ISS Certificate in Digital Solutions Development - Web Applications
- NICF - NUS-ISS Certificate in Digital Solutions Development - Mobility Applications
- NUS Graduate Diploma in Systems Analysis - Capstone & Internship

Updated as of 8 December 2017