MSc (Venture Creation) – Core and Elective Modules Offered

Module Title	MCs	LAB	Subsidy status
Core Modules			
TR3301 Summer Programme in Entrepreneurship	**4**	N	No subsidy
TR5302 Experiential Entrepreneurship Internship	**8**	N	No subsidy
TR5049 Lean StartUp Practicum	**12**	N	No subsidy
BMS5405S New Venture Creation	**4**	N	SSG subsidy
Elective Modules			
Specialised Electives			
TR5101 New Venture Finance	**4**	N	No subsidy
TR5102 Intellectual Property Basics for Entrepreneurs	**4**	N	No subsidy
BMS5121S Digital Transformation	**4**	N	No subsidy
BMS5123S Entrepreneurship Business Development	**4**	N	No subsidy
BMS5203S The Knowledge & Innovation Economy 4.0	**4**	N	SSG subsidy
General Electives			
Business-related*			
BMS5105 Big Data & Business Strategy	**4**	N	SSG subsidy
BMS5117 Game Theory for Managers	**4**	N	No subsidy
BMS5119 Asian Family Business	**4**	N	No subsidy
BMS5122 Legal Fundamentals for Entrepreneurs & Managers	**4**	N	No subsidy
BMS5205 Business Analytics	**4**	N	SSG subsidy
BMS5208 Sustainable Supply Chains	**4**	N	No subsidy
BMS5512 Marketing Analytics	**4**	N	SSG subsidy
BMS5702A Asian Management and Leadership: Learning From Zheng He	**4**	N	SSG subsidy
Management of Technology-related*			
MT5006 Strategic & New Product Development	**4**	Y	No subsidy
MT5007 Management of Technological Innovation	**4**	Y	No subsidy
IE5211 New Product Development	**4**	Y	No subsidy
Technology-related			
CS5228 Knowledge Discovery and Data Mining	**4**	Y	No subsidy
CS5242 Neural Networks and Deep Learning	**4**	Y	No subsidy
CS5272 Embedded Software Design	**4**	Y	No subsidy
CS5321 Network Security	**4**	Y	SSG subsidy
CS5322 Database Security	**4**	Y	SSG subsidy
CS5331 Web Security	**4**	Y	SSG subsidy
CS5332 Biometric Authentication	**4**	Y	SSG subsidy
CS5339 Theory and Algorithms for Machine Learning	**4**	Y	No subsidy
CS5421 Database Applications Design and Tuning	**4**	Y	No subsidy
CS5422 Wireless Networking	**4**	Y	No subsidy
CS5424 Distributed Databases	**4**	Y	No subsidy
CS5425 Big Data Systems for Data Science	**4**	Y	No subsidy
CS5439 Software Security	**4**	Y	SSG subsidy
EE5025 Intellectual Property: Innovations in IoT	**2**	Y	SSG subsidy
IND5021 Managing the Digital Supply Chain	**4**	N	SSG subsidy
IND5022 Data Analytics for Smart Manufacturing	**4**	N	SSG subsidy

IND5024 Strategic Procurement in a Digital World	**2**	N	SSG subsidy
IS5003 Platform Design and Economy	**4**	N	No subsidy
IS5004 Enterprise Architecture	**4**	N	No subsidy
IS5005 Digital Engagement	**4**	N	No subsidy
IS5006 Intelligent System Deployment	**4**	N	No subsidy
IS5007 Strategising for Global IT-enabled Business Success	**4**	N	SSG subsidy
IS5116 Digital Entrepreneurship	**4**	N	SSG subsidy
IS5117 Digital Government	**4**	N	SSG subsidy
IS5126 Hands-on with Applied Analytics	**4**	N	No subsidy
IS5128 Digital Innovation	**4**	N	No subsidy
IS5151 Information Security Policy and Management	**4**	N	SSG subsidy
IS5152 Data-Driven Decision Making	**4**	N	No subsidy
IS5451 Pervasive Technology Solutions and Development	**4**	N	No subsidy
MDG5227 Bio-Innovation & Entrepreneurship	**4**	N	No subsidy
MDG5236 Pathways to Biomedical Innovation and Enterprise	**2**	N	No subsidy
MDG5237 Biomedical Innovation Capstone	**2**	N	No subsidy
ST5227 Applied Data Mining*	**4**	N	SSG subsidy

*subject to approval

 Note: The Elective Module offerings are subject to changes.

TR3301 Summer Programme in Entrepreneurship

Module Description:

A two week long immersion module that introduces students to the core concepts of entrepreneurship. Through action learning, cross-cultural team learning and hackathon pitching, this module aims to inculcate an entrepreneurial mindset and provide the foundational understanding of the entrepreneurial start-up process contextualized in the startup ecosystems of Singapore and Southeast Asia.

Pre-requisite(s): Nil
Co-requisite(s): Nil
Preclusion(s): TR5301 Summer Programme in Entrepreneurship
Cross-listing: Nil

TR5302 Experiential Entrepreneurship Internship

Module Description:

Semester long internship in a Singapore based startup. The student will prepare a weekly logbook as well as internship reports which will be used a part of the evaluation of their internship experience.

Pre-requisite(s): Nil
Co-requisite(s): Nil
Preclusion(s): Nil
Cross-listing: Nil

TR5049 Lean StartUp Practicum

Module Description:

The module provides a hands-on practical introduction to the Lean StartUp methodology. Students will learn and apply the lean launch methodology for customer discovery/market validation to empirically test and validate their business idea.

Pre-requisite(s): Nil
Co-requisite(s): Nil
Preclusion(s): Nil
Cross-listing: Nil

BMS5405S New Venture Creation

Module Description:

Creating a new business is a challenging and complex task. The road to entrepreneurial success is long, winding and strewn with pitfalls, obstacles and blind turns. The risks of starting a new business are high, as illustrated by the high failure rates for new ventures. However, as is always the case, the rewards are commensurate with the risk: in addition to the psychic rewards of starting a business, witness the dominance of entrepreneurs in the Forbes 400 list.

Pre-requisite(s): Nil
Co-requisite(s): Nil
Preclusion(s): BMS5405 New Venture Creation Practicum: Lean Startup Method, TR3002 New Venture Creation, BSN3702 New Venture Creation
Cross-listing: Nil