

新大更新资讯学院课程 更专注应用开发技能

从明年8月起，新大资讯系统学院的本科生，从三年级起可更灵活地根据兴趣和志向，专攻金融科技或网络安全等新兴领域，作为主修课程。

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新加坡管理大学“加大马力”为新兴行业培养资讯通信技术人才。从明年8月起，新大资讯系统学院将更新课纲，除了锻炼学生为不同领域业者开发资讯通信方案，本科生从三年级起也可更灵活地配合兴趣和志向，专攻金融科技或网络安全等新兴领域，更明确地为自己想投入的专业铺路。

据资讯通信发展管理局估计，我国到了2020年，资讯通信行业将有约3万个的新职位空缺。

新大资讯系统学院副院长文奇教授（Venky Shankararaman）受访时说，学院希望进一步加强毕业生的技能，以更好地配合市

场需求。“现有课程专注于应用开发的技能，新课纲除了更注重让学生动手实践，所教导的技能将与学生专攻的领域有更紧密的衔接。”学院每年平均录取280名新生。

注重价值创造与创新 利用科技设计解决方案

从明年新学年起，资讯系统学院本科生修读的核心课程，将更注重价值创造、创新，以及设计科技解决方案等技能。

大一和大二新课程包括“资讯系统和创新”“业务流程分析和解决方案”等，学生将学习针对商家、消费者或政府机构的需求，利用资讯通信科技设计创意解决方案。

完成大二课程后，学生能从两大组别，即“商务分析师”（Consultant and Business Analyst Tracks）和“先进技术”（Advanced Technical Tracks）之间，挑选一至两个准备要专攻的主修专业。

商务分析组分别有“金融科技”、“商务分析”和“数码商务方案”等专业；先进技术组则有“网络安全”、“应用开发”和“认知系统”专业。

这表示，学生可更灵活地按兴趣，在主修课程中选择想专攻的领域。例如，有意进金融业，想要广泛地掌握各领域技能，可主修金融科技，并选择商学院的营销课程为第二主修。专业技术能力强的学生，可同时专攻网络安全和应用开发两个专业。

目前，所有学生都主攻应用开发，想要深入修读某个专业的学生，必须选择一门第二主修。

优秀生可上直通车 四年内完成本科及硕士班

文奇说，无论哪一个专业，学生都须学习为不同业务设计和打造科技方案，例如，专攻金融科技的学生可为保险公司设计一个观察驾驶行为的系统，让不同驾驶习惯的司机支付不同级别的保金等。

另外，主修特定专业的优秀生，可“直通”硕士课程，即在四年内取得学士和硕士学位。

另一方面，由于数据分析技能将越来越吃香，新大李光前商学院和会计学院，也陆续为学生开办“数据分析”专业。

会计学院今年8月已推出数据分析专业，让会计学生掌握数据分析技巧。李光前商学院明年新学年起将分别开办适用于金融、业务管理和营销行业的“数据分析”专业，让学生掌握好数据分析技能，以提升竞争力。

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Headline: SMU revises information systems curriculum

TRANSLATION:

SMU revises information systems curriculum

Singapore Management University is stepping up its efforts to nurture infocomm talent for emerging industries. From August next year, SMU School of Information Systems (SIS) will have a revised curriculum which not only trains its students to develop infocomm solutions for various industries, its undergraduates can also specialize in emerging sectors such as financial technology and cybersecurity from third year onwards based on one's interest and aspiration, providing greater flexibility for students to prepare for their career choices.

According to estimates by IDA, there will be 30,000 new infocomm jobs expected in Singapore by 2020.

SIS Associate Dean Professor Venky Shankararaman said in an interview that the School hopes to further strengthen the skills of its graduates so as to better meet market demand. "The current curriculum focuses more on application development skills; besides having a greater emphasis on creating solutions, the new curriculum will also impart skills that are more closely aligned with the students' areas of specialisations," he noted. On average, SIS takes in 280 freshmen each year.

From the next academic year, the core courses taken by SIS undergraduates will focus on value creation, innovation and solutioning. Year 1 and Year 2 courses include Information Systems and Innovations, and Business Process Analysis and Solutioning which will prepare SIS graduates to translate consumer, enterprise, government and social requirements into innovative IT enabled solutions.

Starting from their third year of study, students will specialize in career tracks in two categories based on their aspirations: Consultant and Business Analyst Tracks, and Advanced Technical Tracks. The former includes Financial Technology, Business Analytics, and Digital Business Solutioning; the latter includes Cybersecurity, Application Development, and Cognitive Systems. Students can flexibly select the areas they wish to specialize in based on their interests. For example, those who wish to enter the financial industry can choose to major in Financial Technology and select Marketing offered by the School of Business as a second major. Those with strong technical skills may choose to specialize in both Cybersecurity and Application Development. Currently, all students are trained in application development and choose a second major.

Prof Venky said no matter what the specialization is, students will have to learn how to design and create IT solutions for different industries. For example, students specializing in Financial Technology may design a system which monitors driving behaviour, this will allow drivers with different driving habits to pay different levels of insurance.

Strong applicants can be admitted directly into integrated BSc-Master programmes where they will complete the Master's and Bachelor's degree in four years.

With growing demand for data analytics skills, SMU Lee Kong Chian School of Business and School of Accountancy are offering specialisations in analytics.

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In August this year, the School of Accountancy has launched the Data Analytics track to equip its students with analytics skill sets. From AY2017 onwards, LKCSB will offer specialisations in Analytics, applied specifically to Finance, Operations Management and Marketing sectors to give students the opportunity to specialise and acquire up-to-date analytics skills and knowledge, thereby giving them a competitive edge.