

| NUS Faculty/School | Module/Course Code | Module/Course Title |
|--|--------------------|--|
| Arts and Social Sciences (Short Courses) | | |
| Centre for English Language Communication | ELC-CYPBI | Communicating Your Personal Brand Identity Across Professional Contexts |
| Centre for English Language Communication | ELC-MDFPWC | Managing Disruption with Future-proof Workplace Communication Skills |
| Business & Management (Short Courses) | | |
| SCALE | SLE-BAG | Business Agility |
| School of Business | BIZ-CPTMTB | Corporate Payments and Treasury Management in Transaction Banking |
| SCALE | SLE-DTB | Design Thinking Bootcamp |
| SCALE | SLE-DTBI | Design Thinking for Building Innovation |
| SCALE | SLE-DAT | Digital and Agile Transformation |
| School of Business | BIZ-DMW | Digital Marketing Workshop |
| SCALE | SLE-FPLBWM | Future-proofing My Leadership Begins With Me |
| School of Business | BIZ-GPITITB | Global Payments & International Trade Instruments in Transaction Banking |
| School of Business | BIZ-LBDA | Leading with Big Data Analytics & Machine Learning |
| SCALE | SLE-LSSGB | Lean Six Sigma Advanced (Green Belt) |
| SCALE | SLE-LSSYB | Lean Six Sigma Foundation (Yellow Belt) |
| School of Business | BIZ-LFB | Leveraging Fintech for Business |
| School of Business | BIZ-MA | Marketing Analytics |
| School of Business | BIZ-MCSF | Monte Carlo Simulation for Finance |
| SCALE | SLE-OCCBWM | Organisational Culture Change Begins With Me |
| School of Business | BIZ-SAITB | Seminar on Advanced Issues in Transaction Banking |
| School of Business | BIZ-SSI | Social and Sustainable Investing |
| School of Business | BIZ-SFVB | Stock Fundamental Valuation with Bloomberg |
| Computing (Academic Modules) | | |
| SCALE | TBA2101 | Building an Analytics Organisation |
| SCALE | TIC2501 | Computer Networks and Applications |
| SCALE | TIC2401 | Computer Systems |

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|--------------------|--------------------|--|
| SCALE | TIC2001 | Data Structures and Algorithms |
| SCALE | TBA2103 | Data Visualisation |
| SCALE | TIC2601 | Database and Web Applications |
| SCALE | TIC2101 | Information Systems and Organisations |
| SCALE | TBA2102 | Introduction to Business Analytics |
| SCALE | TIC1001 | Introduction to Computing and Programming I |
| SCALE | TIC1002 | Introduction to Computing and Programming II |
| SCALE | TIC2301 | Introduction to Information Security |
| SCALE | TIC2002 | Introduction to Software Engineering |
| SCALE | TBA3222 | Marketing Analytics |
| SCALE | TBA2104 | Predictive Analytics |
| SCALE | TIC2701 | Principles of Programming Languages |
| SCALE | TBA3241 | Social Media Analytics |
| SCALE | TBA3102 | Text Analytics |
| SCALE | TBA3204 | Web Analytics |

Data Analytics (Short Courses)

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| SCALE | SLE-CPDDAM | Capstone Project: Developing a Data Analytics Model |
| SCALE | SLE-CDBWM | Chatbot Development Begins with Me |
| SCALE | SLE-CIBWM | Customer Insights Begins with Me |
| SCALE | SLE-DAVITM | Data Analytics and Visualisation for IT Managers |
| SCALE | SLE-DAVM | Data Analytics and Visualization for Managers |
| SCALE | SLE-DABWM | Data Analytics Begins With Me |
| SCALE | SLE-DABA | Data Analytics for Business Analysts |
| SCALE | SLE-DAM | Data Analytics for Managers |
| Institute of Systems Science | DDDM | Data Driven Decision Making |
| SCALE | SLE-DVP | Data Visualisation in Python |
| SCALE | SLE-DVBWM | Data Visualization Begins With Me |
| SCALE | SLE-DDCE | Data-driven Customer Experience |
| Institute of Systems Science | ESUIOT | Envisioning Smart Urban IoT Solutions |
| SOM | SOM-HAAHPM | Health Analytics for Allied Health Professionals/Managers |
| SCALE | SLE-HRA | HR Analytics |
| Institute of Systems Science | MLDDS | Machine Learning Driven Data Science |

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| SCALE | SLE-MA | Marketing Analytics |
| Institute of Systems Science | CA | NICF - Customer Analytics |
| Institute of Systems Science | DAG | NICF - Data Governance & Protection |
| Institute of Systems Science | MBAP | NICF - Managing Business Analytics Projects |
| Institute of Systems Science | PA | NICF - Predictive Analytics - Insights of Trends and Irregularities |
| Institute of Systems Science | SMA | NICF - Social Media Analytics |
| Institute of Systems Science | SB | NICF - Statistics Bootcamp Using R and Tableau |
| Institute of Systems Science | SFB | NICF - Statistics for Business |
| Institute of Systems Science | TA | NICF - Text Analytics |
| Institute of Systems Science | WA | NICF - Web Analytics & SEO |
| Institute of Systems Science | ACA | NICF- Advanced Customer Analytics |
| Institute of Systems Science | DST | NICF- Data Storytelling |
| Institute of Systems Science | SDI | NICF- Strategic Design & Innovation |
| SCALE | SLE-PDS | Python for Data Science |
| SCALE | SLE-R4DS | R for Data Science |
| Institute of Systems Science | SSDIOT | Sensors Systems Design for IoT |

Engineering (Academic Modules)

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| SCALE | TCN4227 | Advanced Process Control |
| Faculty of Engineering | CE5806A | Advanced Project Management |
| Faculty of Engineering | EE5062 | Advances in Autonomous Systems |
| Faculty of Engineering | ESE5202B | Air Quality Engineering |
| SCALE | TEE4407 | Analog Electronics |
| SCALE | TCN4238 | Chemical & Biochemical Process Modeling |
| Faculty of Engineering | EE5021 | Cloud Based Services for Internet of Things |
| SCALE | TEE3131 | Communication Systems |
| SCALE | TEE4204 | Computer Networks |
| SCALE | TCE2183 | Construction Project Management |
| SCALE | TIE4242 | Cost Analysis and Management |
| Faculty of Engineering | EE5022 | Cyber Security for Internet of Things |
| Faculty of Engineering | EE5020 | Data Science for Internet of Things |
| Faculty of Engineering | ME5615A | Design and Pre-processing for Additive Manufacturing |
| SCALE | TEE4113 | Digital Communications & Coding |

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| Faculty of Engineering | EE5064 | Dynamics and Control of Robot Manipulators |
| SCALE | TME2121 | Engineering Thermodynamics |
| SCALE | TEE4436 | Fabrication Process Technology |
| Faculty of Engineering | ME5513A | Fatigue Analysis for Additive Manufacturing |
| SCALE | TME2142 | Feedback Control Systems |
| SCALE | TME2134 | Fluid Mechanics I |
| SCALE | TCE3116 | Foundation Engineering |
| SCALE | TME2101 | Fundamentals of Mechanical Design |
| SCALE | TCE3115 | Geotechnical Engineering |
| SCALE | TCN4233 | Good Manufacturing Practices in Pharmaceutical Industry |
| Faculty of Engineering | ME5608B | Hybrid Manufacturing |
| SCALE | TCE2134 | Hydraulics |
| Faculty of Engineering | EE5061 | Industrial Control and IEC Programming |
| SCALE | TCE2184 | Infrastructure & the Environment |
| Faculty of Engineering | ESE5901A | Introduction to Environmental Engineering |
| SCALE | TIE2010 | Introduction to Industrial System |
| Faculty of Engineering | EE5026 | Machine Learning for Data Analytics |
| SCALE | TCN1005 | MatLab Programming for Chemical Engineers |
| SCALE | TME2114 | Mechanics of Materials II |
| SCALE | TME3211 | Mechanics of Solids |
| SCALE | TCN4210 | Membrane Science and Engineering |
| Faculty of Engineering | MLE5301 | Metallic & Ceramic Materials in Additive Manufacturing |
| SCALE | TEE3431 | Microelectronics Materials and Devices |
| SCALE | TME3241 | Microprocessor Applications |
| Faculty of Engineering | EE5063 | Modelling of Mechatronic Systems |
| SCALE | TEE4210 | Network Protocols and Applications |
| SCALE | TIE2110 | Operations Research I |
| Faculty of Engineering | MLE5302 | Polymer Materials in Additive Manufacturing |
| Faculty of Engineering | ME5615B | Post-processing for Additive Manufacturing |
| Faculty of Engineering | ME5608A | Principles and Processes of Additive Manufacturing |
| SCALE | TCN3121 | Process Dynamics & Control |
| Faculty of Engineering | CN5191 | Project Engineering |

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|--|---------------------------|--|
| SCALE | TIE4240 | Project Management |
| SCALE | TIE2130 | Quality Engineering I |
| SCALE | TIE4230 | Quality Engineering II |
| SCALE | TME4245 | Robot Mechanics and Control |
| Faculty of Engineering | EE5024 | Sensor Networks |
| SCALE | TME2143 | Sensors and Actuators |
| Faculty of Engineering | EE5060 | Sensors and Instrumentation for Automation |
| SCALE | TCN3132 | Separation Processes |
| SCALE | TEE2023 | Signals and Systems |
| SCALE | TCE2112 | Soil Mechanics |
| Faculty of Engineering | ME5614A | Special Project in Additive Manufacturing |
| SCALE | TCE1109 | Statics and Mechanics of Materials |
| Faculty of Engineering | EE5027 | Statistical Pattern Recognition |
| SCALE | TCE2155 | Structural Mechanics and Materials |
| SCALE | TCE3166 | Structural Steel Design and System |
| SCALE | TIE3010 | Systems Thinking and Design |
| Faculty of Engineering | ESE5202A | Technologies for Air Quality Control |
| Faculty of Engineering | ESE5901B | Technologies in Environmental Engineering |
| SCALE | TCE3001 | Water Quality Engineering |
| SCALE | TCE3132 | Water Resources Engineering |
| Faculty of Engineering | EE5023 | Wireless Networks |
| Healthcare & Medicine (Short Courses) | | |
| Duke-NUS | LCPC-PCCCN | Palliative Care Course for Community Nurses (Basic) |
| Duke-NUS | LCPC-PCCP | Palliative Care Course for Pharmacists (Advanced) |
| Duke-NUS | LCPC-PGC | Postgraduate Course in Palliative Medicine for Doctors |
| Science (Academic Modules) | | |
| Faculty of Science | FST5202 | Advanced Food Fermentation |
| Faculty of Science | FST5203 | Advanced Food Microbiology and Safety |
| Faculty of Science | PR4207 | Applied Pharmacokinetics and Toxicokinetics |
| Faculty of Science | PR3145 | Compliance & Good Practices in Pharmacy |
| Faculty of Science | PR3116 | Concepts in Pharmacokinetics and Biopharmaceutics |
| Faculty of Science | PHS2120 | Drug Product Development & Lifecycle Management |

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|---------------------------|---------------------------|---|
| Faculty of Science | DSA3102 | Essential Data Analytics Tools: Convex Optimisation |
| Faculty of Science | DSA2102 | Essential Data Analytics Tools: Numerical Computation |
| Faculty of Science | FST5301 | Evidence Based Functional Foods |
| Faculty of Science | QF4102 | Financial Modelling and Computation |
| Faculty of Science | QF5210 | Financial Time Series: Theory and Computation |
| Faculty of Science | PR2114 | Formulation & Technology I |
| Faculty of Science | PR3117 | Formulation & Technology II |
| Faculty of Science | PR1110 | Foundations for Medicinal Chemistry |
| Faculty of Science | PR5135 | Foundations in Advanced Pharmacy Practice |
| Faculty of Science | FST5205 | Frontier of Food Processing and Engineering |
| Faculty of Science | QF3101 | Investment Instruments: Theory and Computation |
| Faculty of Science | FST5303 | Modern Human Nutrition |
| Faculty of Science | PR2143 | Pharmaceutical Analysis for Quality Assurance |
| Faculty of Science | PR3301 | Pharmaceutical Dosage Forms |
| Faculty of Science | PR3146 | Pharmacy Law in Singapore |
| Faculty of Science | PR4201 | Pharmacy Marketing |
| Faculty of Science | QF5203 | Risk Management |

Science (Short Courses)

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| Faculty of Science | SOM-NCPP | National Collaborative Prescribing Programme |
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Supply Chain & Logistics (Short Courses)

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| SCALE | SLE-GSCM | Global Supply Chain Management |
| SCALE | SLE-ITINBM | Impact of Technology Innovation & New Business Model on Supply Chain |
| SCALE | SLE-MFSC | Managing the Financial Supply Chain |
| The Logistics Institute - Asia Pacific | TLI-OSM | Optimization, Simulation & Modelling in Supply Chain & Logistics Management |
| The Logistics Institute - Asia Pacific | TLI-PBT | Project-Based Training in Logistics/Supply Chain Innovation & Solutioning |
| The Logistics Institute - Asia Pacific | TLI-TXS | Transformational Strategies for Supply Chain and Logistics Management |

Systems Science (Short Courses)

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|------------------------------|--------|---|
| Institute of Systems Science | AISP | AISP NICF - AISP Qualified Information Security Professional Course and Examination |
| Institute of Systems Science | CCSPE | Certified Cloud Security Professional (CCSP) Examination |
| Institute of Systems Science | CISSPE | Certified Information Systems Security Professional (CISSP®) Examination |
| Institute of Systems Science | CSPO | Certified Scrum Product Owner |
| Institute of Systems Science | CSSLPE | Certified Secure Software Lifecycle Professional (CSSLP®) Examination |

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|------------------------------|---------------------------|--|
| Institute of Systems Science | CSF | Client Side Foundation |
| Institute of Systems Science | CLDOF | Cloud DevOps Foundation |
| Institute of Systems Science | CMMCLD | Configuration Management and Monitoring for Cloud DevOps |
| Institute of Systems Science | CFDSA | Containers for Deploying and Scaling your Apps |
| Institute of Systems Science | IB | Innovation Bootcamp |
| Institute of Systems Science | ITSM-PPO | ITIL® Intermediate Certificate: Planning Protection & Optimisation (PPO); ITIL® Intermediate Certificate - Planning Protection & Optimisation (PPO) Examination |
| Institute of Systems Science | ITSM-SS | ITIL® Intermediate Certificate: Service Strategy (SS); ITIL® Intermediate Certificate - Service Strategy (SS) Examination |
| Institute of Systems Science | CCSP | NICF - (ISC)² CCSP CBK Training Seminar |
| Institute of Systems Science | CISSP | NICF - (ISC)² CISSP CBK Training Seminar |
| Institute of Systems Science | CSSLP | NICF - (ISC)² CSSLP CBK Training Seminar |
| Institute of Systems Science | ACD | NICF - Agile Continuous Delivery |
| Institute of Systems Science | AT | NICF - Agile Testing |
| Institute of Systems Science | BPMC | NICF - AIIM Business Process Management Master (BPMC) |
| Institute of Systems Science | ARCHSS | NICF - Architecting Software Solutions |
| Institute of Systems Science | BPRPM | NICF - Benefits Planning and Realisation for Project Managers |
| Institute of Systems Science | BEAD | NICF - Big Data Engineering for Analytics |
| Institute of Systems Science | BEAUJ | NICF - Building Enterprise Applications using Java EE |
| Institute of Systems Science | BABC | NICF - Business Agility Bootcamp |
| Institute of Systems Science | BAAP | NICF - Business Analysis for Agile Practitioners |
| Institute of Systems Science | RE | NICF - Business Analysis Fundamentals - Requirements Development |
| Institute of Systems Science | BPR | NICF - Business Process Reengineering |
| Institute of Systems Science | CITPM | NICF - Certification in IT Project Management (Associate) Course |
| Institute of Systems Science | COMIT | NICF - Certification in Outsourcing Management for IT (Associate) Course |
| Institute of Systems Science | CBAP | NICF - Certified Business Analysis Professional (CBAP®) Preparatory Course |
| Institute of Systems Science | CEITA | NICF - Certified Enterprise Architecture Practitioner Course - TOGAF 9 Combined Part 1 and 2 Examination |
| Institute of Systems Science | CLESSP | NICF - Certified LeSS Practitioner - Principles to Practices |
| Institute of Systems Science | CSCRUM | NICF - Certified ScrumMaster - Certified ScrumMaster Examination |
| Institute of Systems Science | CAAR | NICF - Cloud Computing for Solution Architects |
| Institute of Systems Science | COBIT | NICF - COBIT® 5 Foundation - COBIT® 5 Foundation Examination |
| Institute of Systems Science | CM | NICF - Communicating and Managing Change |

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|------------------------------|---------------------------|---|
| Institute of Systems Science | MVT | NICF - Creating Business Value from IT Investment |
| Institute of Systems Science | CSIP | NICF - Cyber Security for ICT Professionals |
| Institute of Systems Science | CSADL | NICF - Cybersecurity Risk Awareness |
| Institute of Systems Science | MADH5 | NICF - Design and Develop Mobile Enterprise Application with HTML5 |
| Institute of Systems Science | DSMA | NICF - Design Secure Mobile Architecture |
| Institute of Systems Science | DMS | NICF - Designing Cloud-enabled Mobile Applications |
| Institute of Systems Science | DOFBO | NICF - DevOps Foundation with BizOps |
| Institute of Systems Science | DSES | NICF - Digital and Social Engagement Strategy |
| Institute of Systems Science | DPS | NICF - Digital Product Strategy |
| Institute of Systems Science | SITP | NICF - Digital Transformation Planning |
| Institute of Systems Science | UXD | NICF - Digital User Experience Design |
| Institute of Systems Science | EAMC | NICF - Enterprise Architecture Masterclass |
| Institute of Systems Science | EAPRAC | NICF - Enterprise Architecture Practicum |
| Institute of Systems Science | EAPRAC-AOP | NICF - Enterprise Architecture Practicum - AOP |
| Institute of Systems Science | ITGL | NICF - Enterprise Digital Governance |
| Institute of Systems Science | HFIS | NICF - Essential Leadership Skills for Project Managers |
| Institute of Systems Science | EPAT | NICF - Essential Practices for Agile Teams |
| Institute of Systems Science | ESA | NICF - Evaluating Software Architectures |
| Institute of Systems Science | FNBA | NICF - Facilitation and Negotiation for Business Analysis |
| Institute of Systems Science | ITSM-CSI | NICF - ITIL® Continual Service Improvement Certificate; ITIL® Intermediate Certificate - Continual Service Improvement Certificate (CSI) Examination |
| Institute of Systems Science | ITSM | NICF - ITIL® Foundation Certificate in IT Service Management - ITIL® Foundation Examination |
| Institute of Systems Science | ITSM-MLC | NICF - ITIL® Managing Across the Lifecycle (MALC); NICF - ITIL® Managing Across the Lifecycle (MALC) Examination |
| Institute of Systems Science | ITSM-OSA | NICF - ITIL® Operational Support and Analysis Certificate; ITIL® Intermediate Certificate - Operational Support & Analysis (OSA) Examination |
| Institute of Systems Science | ITSM-RCV | NICF - ITIL® Release, Control and Validation Certificate; ITIL® Intermediate Certificate - Release, Control and Validation (RCV) Examination |
| Institute of Systems Science | ITSM-SOA | NICF - ITIL® Service Offerings and Agreements Certificate; ITIL® Intermediate Certificate - Service Offerings and Agreements (SOA) Examination |
| Institute of Systems Science | CLIF | NICF - Lean IT Foundation Certification |
| Institute of Systems Science | LKF | NICF - Lean Kanban Foundation |

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|------------------------------|---------------------------|---|
| Institute of Systems Science | CSIDL | NICF - Managing Cybersecurity Risk |
| Institute of Systems Science | SHM | NICF - Managing Project Stakeholders - A Practical Approach |
| Institute of Systems Science | MSP | NICF - Managing Successful Programmes (MSP®); MSP® Foundation Examination / MSP® Practitioner Examination |
| Institute of Systems Science | MXD | NICF - Mobile User Experience Design |
| Institute of Systems Science | SA4016 | NICF - NUS Graduate Diploma in Systems Analysis |
| Institute of Systems Science | SA4101 | NICF - NUS-ISS Certificate in Digital Solutions Development - Design |
| Institute of Systems Science | SA4102 | NICF - NUS-ISS Certificate in Digital Solutions Development - Foundations |
| Institute of Systems Science | SA4109 | NICF - NUS-ISS Certificate in Digital Solutions Development - Mobility Applications |
| Institute of Systems Science | SA4105 | NICF - NUS-ISS Certificate in Digital Solutions Development - Web Applications |
| Institute of Systems Science | CSAF | NICF - NUS-ISS Certificate in Software Architecture - Foundations |
| Institute of Systems Science | CSAS | NICF - NUS-ISS Certificate in Software Architecture - Solutioning |
| Institute of Systems Science | OOAD | NICF - Object Oriented Analysis & Design |
| Institute of Systems Science | OODP | NICF - Object Oriented Design Patterns |
| Institute of Systems Science | ACP | NICF - PMI Agile Certified Practitioner (PMI-ACP)® Preparatory Course |
| Institute of Systems Science | CITPMP | NICF - PMP® for Project Managers |
| Institute of Systems Science | P30 | NICF - Portfolio, Programme and Project Offices (P30®) - Foundation & Practitioner; Portfolio, Programme and Project Offices (P30®) Foundation Examination / Portfolio, Programme and Project Offices (P30®) Practitioner Examination |
| Institute of Systems Science | PRINCE2 | NICF - PRINCE2® (Projects IN Controlled Environments) – Foundation and Practitioner Certificate; PRINCE2® Foundation Certificate Examination / PRINCE2® Practitioner Certificate Examination |
| Institute of Systems Science | PTO | NICF - Product Thinking for Organisations |
| Institute of Systems Science | PMIS | NICF - Project Management for IT |
| Institute of Systems Science | SSDLA | NICF - Secure Software Development Lifecycle for Agile |
| Institute of Systems Science | SVA | NICF - Service Analytics |
| Institute of Systems Science | SID | NICF - Service Design |
| Institute of Systems Science | SMM | NICF - Social Media Marketing |
| Institute of Systems Science | SADP | NICF - Software Architecture & Design Project |
| Institute of Systems Science | ST | NICF - Software Testing |
| Institute of Systems Science | SDEA | NICF - Specialist Diploma in Enterprise Architect; TOGAF 9 Combined Part 1 and 2 Examination / Practicum Fee |

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| Institute of Systems Science | EBA | NICF - Strategic Business Analysis |
| Institute of Systems Science | SFF | NICF - Strategic Futures & Foresight |
| Institute of Systems Science | SPMR | NICF - Strategic Product Manager™ |
| Institute of Systems Science | SPMF | NICF - Strategic Product Market Fit |
| Institute of Systems Science | STRCA | NICF - Systems Thinking & Root Cause Analysis |
| Institute of Systems Science | TE | NICF - Technopreneurship |
| Institute of Systems Science | TL | NICF - Transformational Leadership |
| Institute of Systems Science | UND | NICF - Understanding NoSQL Database |
| Institute of Systems Science | PAF | Persistence and Analytics Fundamentals |
| Institute of Systems Science | ACP-E | PMI Agile Certified Practitioner (PMI-ACP® Exam Only) |
| Institute of Systems Science | PCPDA | Professional Conversion Programme for Data Analysts |
| Institute of Systems Science | PCPFSD | Professional Conversion Programme for FullStack Software Developers |
| Institute of Systems Science | CITPMP-E | Project Management Professional (PMP® Exam Only) |
| Institute of Systems Science | PYDOT | Python for Data, Ops and Things |
| Institute of Systems Science | API | RESTful API Design |
| Institute of Systems Science | SNMF | Security, Notification and Messaging Fundamentals |
| Institute of Systems Science | SSF | Server Side Foundation |
| Institute of Systems Science | CIY | The Coder in You |