Bachelor of Science (Economics)

Student Handbook

(for students admitted from AY2015-16 to AY2018-19)
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OVERVIEW

The SMU School of Economics (School) undergraduate curriculum leads to the award of the degree of Bachelor of Science in Economics.

The curriculum is designed to provide a strong understanding of modern economic theory, inculcate independent thought about economic policies and problems, develop the capacity for quantitative research, and provide basic descriptive knowledge about the local and global economy.

At the same time, the curriculum offers a broad-based liberal education that provides students with a broad perspective of the work environment and the world at large. To accomplish this objective, the curriculum is structured into 4 sections:

<table>
<thead>
<tr>
<th>Course Units</th>
<th>Recommended Period of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Courses</strong></td>
<td></td>
</tr>
<tr>
<td>Foundation Courses</td>
<td>3(^{(i)})</td>
</tr>
<tr>
<td>University Core</td>
<td>4</td>
</tr>
<tr>
<td>Economics Options</td>
<td>7</td>
</tr>
</tbody>
</table>

\(^{(i)}\) Students with prior background may be exempted from the Foundation courses.

<table>
<thead>
<tr>
<th>Course Units</th>
<th>Recommended Period of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Economics Core</strong></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Year 1 to 3</td>
</tr>
<tr>
<td><strong>Economics Electives</strong></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Year 1 to 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Units</th>
<th>Recommended Period of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cluster Courses</strong></td>
<td></td>
</tr>
<tr>
<td>Asian Studies</td>
<td>1</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>1</td>
</tr>
<tr>
<td>General Education</td>
<td>4(^{(ii)})</td>
</tr>
<tr>
<td>Globalisation</td>
<td>1</td>
</tr>
<tr>
<td>Modes of Thinking</td>
<td>1</td>
</tr>
<tr>
<td>Technology Studies</td>
<td>1</td>
</tr>
</tbody>
</table>

\(^{(ii)}\) Students with prior background may be exempted from a maximum of 3 General Education courses.

<table>
<thead>
<tr>
<th>Course Units</th>
<th>Recommended Period of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Service</td>
<td>Year 1 to 4</td>
</tr>
<tr>
<td>Finishing Touch</td>
<td>Year 1 to 4</td>
</tr>
<tr>
<td>Internship Programme</td>
<td>Year 2 to 4</td>
</tr>
</tbody>
</table>

Total Course Units Required 36
The curriculum consists of 36 course units, a 10-week internship and 80 hours of community service. All areas of the curricular requirements are pursued simultaneously over four years.

**FOUNDATION – 3 COURSE UNITS**

These courses must be taken in the first year:

- Calculus
- Introductory Economics
- Writing and Reasoning (previously known as Programme in Writing and Reasoning)

**UNIVERSITY CORE – 4 COURSE UNITS**

- Business, Government & Society
- Ethics & Social Responsibility
- Leadership & Team Building
- Management Communication

**ECONOMICS OPTIONS – 7 COURSE UNITS**

A total of 7 Economics Options must be completed and can be taken from:

- Economics Electives listed under the BSc (Econ) curriculum (see page 5)
- Actuarial Science / Applied Statistics / Data Science and Analytics / Health Economics and Management 2nd major courses (see pages 12 and 13)
- Accounting Core / Elective courses listed under the BAcc curriculum
- Business Core / Elective courses / Business Capstone listed under the BBM curriculum
- Law Core / Elective courses listed under the LLB curriculum
- Information Systems Core / Elective courses listed under the BSc (IS) curriculum
- Social Science Core / Elective courses listed under the BSocSc curriculum
- Study Missions that have Economics Options as a course attribute

**ECONOMICS CORE – 5 COURSE UNITS**

For students enrolled in the BSc (Econ) programme, the 5 compulsory Economics Core courses are:

- Introduction to Statistical Theory\(\text{(iii)}\)
- Intermediate Mathematics for Economics
- Intermediate Macroeconomics
- Intermediate Microeconomics
- Introduction to Econometrics

\(\text{(iii) All students admitted after AY2009-10 intake onwards who are granted provisional enrolment in secondary degree as BSc (Econ) will have to do Introduction to Statistical Theory (as is the case for students doing BSc (Econ) as their primary degree).}\)
ECONOMICS ELECTIVES – 8 COURSE UNITS

A total of 8 Economics Electives courses must be completed, including an international economics component. Students may take:

Either
- International Economics B and 7 Economics Electives,

Or
- International Trade AND International Macroeconomics and 6 Economics Electives

Students can select the remaining 6(iv) or 7(iv) courses offered by the School. Examples include:

- Advanced Macroeconomics
- Advanced Microeconomics
- Development Economics
- Economic Forecasting
- Economics of Ageing
- Economic Dynamics
- Economic Growth
- Family and the Society: Economic Theories and Practices
- Game Theory
- Health Economics
- Health Systems and Policy
- Human Capital and Economics of Education
- Industrial Organisation
- Intermediate Econometrics
- Labour Economics
- Macroeconomics of Income Distribution
- Monetary Economics
- Organisational Economics
- Political Economy of Globalisation
- Public Sector Economics
- Real Estate Economics
- Strategic Thinking
- The Economics of Politics
- Urban Economics and Policy

(iv) Note: the list of courses provided is not exhaustive. Please refer to OASIS > Top Apps > BOSS Bidding (Plan & Bid page > Add to Cart and Perform Course Search) for the full list of courses.

Students have the option to apply to do an Independent Study Project which is equivalent to 1 course unit. An Independent Study Project can be a valuable enhancement to the BSc (Econ) curriculum, allowing the student to pursue a specific topic of interest that is not available in regularly offered courses. Please refer to OASIS > Policies & Self Service > Forms > SOE Independent Study Form for more information.
QUANTITATIVE ECONOMICS TRACK

BSc (Econ) students have the option of declaring Quantitative Economics Track (QET) under their first major in Economics. The track requirements are as follows:

- International Trade
- International Macroeconomics
- Advanced Macroeconomics
- Advanced Microeconomics
- Intermediate Econometrics

Students must complete both International Trade and International Macroeconomics in place of International Economics B. In addition, students need to complete the remaining 3 electives from the list of Economics Electives on page 5.

REAL ESTATE TRACK

BSc (Econ) students admitted AY2016-17 onwards have the option of declaring Real Estate Track (RET) under their first major in Economics. The track requirements are as follows:

- Real Estate Economics
- Real Estate Investments and Finance
- Law of Real Estate

Choose 2 electives out of the following:

- Urban Economics and Policy
- Project Financing
- Infrastructure Finance
- Real Estate Valuation and Taxation
- Real Estate Development

Where applicable, students may count these courses towards Economics Electives and complete the remaining from the list of Economics Electives on page 5.

MARITIME ECONOMICS TRACK

(discontinued with effect from AY2018-19 Term 1)

BSc (Econ) students interested in declaring Maritime Economics Track (MET) under their first major in Economics should apply to the International Trading Institute@SMU for admission to the track. Those selected through the admission exercise will need to satisfy the following track requirements:

- Port Economics and Management
- Maritime Economics and Shipping Finance
- Economic Aspects of Maritime Law

Choose 1 elective out of the following:

- Industrial Organisation
- Shipping Business
- Shipping Logistics
- Supply Chain Management
- Supply Chain Processes and Technology
- Trade Finance
Where applicable, students may count these courses towards Economics Electives and complete the remaining from the list of Economics Electives on page 5.

Non-credit Requirements

Complete 3 non-credit courses offered by International Trading Institute@SMU, each course typically comprising 3 to 5 three-hourly sessions.

ECONOMICS HONOURS PROGRAMME

Students who wish to enroll in the Economics Honours Programme must complete the Senior Thesis. The candidate must maintain a GPA of at least 3.40 in the EM courses, and must have completed at least 24 course units.

Senior Thesis

The Senior Thesis is a 2-term course which is equivalent to 2 course units. It includes a presentation of the research paper jointly supervised by the faculty in charge of the Senior Thesis and a second faculty who is an expert in the paper topic.

In order to receive Honours in the Economics Major, a student must obtain a grade of at least B in the Senior Thesis, and maintain a GPA of at least 3.40 in the EM courses.

The completion of the Economics Honours Programme will be noted in the official transcript. It will not be reflected on the degree scroll.

Eligibility

The Economics Honours programme is open to students reading the BSc (Econ).

Eligible students must submit the application form to the faculty in charge of Senior Thesis for approval before bidding for the course. To ensure that bidding can be done in time, please adhere to the timeline given in OASIS > Policies & Self Service > Forms > SOE Senior Thesis Application Form.
CLUSTER COURSES

ASIAN STUDIES – 1 COURSE UNIT

Students must complete Economic Development in Asia.

ENTREPRENEURSHIP – 1 COURSE UNIT

Students must complete 1 Entrepreneurship course.

GENERAL EDUCATION REQUIREMENT – 4 COURSE UNITS

Students must complete Spreadsheet Modeling and Analytics (previously known as Computer as an Analysis Tool) and 3 other General Education courses. Spreadsheet Modeling and Analytics is listed as a General Education course by default but students may opt to take it under Technology Studies by completing one more General Education course.

Students are allowed to count only one language course towards the General Education degree requirement.

Do note that:

- Students may take more than one language course (whether advanced level or different language) for credit but the additional language course(s) will not be counted towards fulfillment of the General Education requirement.

- Students who go on exchange may continue to take an immersion language course but the above rule applies.

GLOBALISATION – 1 COURSE UNIT

Students must complete 1 Globalisation course.

MODES OF THINKING – 1 COURSE UNIT

Students must complete

- Managing in a Volatile, Uncertain, Complex and Ambiguous Context (previously known as Managing Volatility, Uncertainty, Complexity and Ambiguity), or
- Critical Thinking in the Real World, or
- Analytical Skills (0.5 CU) and Creative Thinking (0.5 CU)

TECHNOLOGY STUDIES – 1 COURSE UNIT

Students must complete 1 Technology Studies course.
FINISHING TOUCH (FT) PROGRAMME – GRADUATION REQUIREMENT

The Finishing Touch (FT) programme, administered by Dato’ Kho Hui Meng Career Centre (DKHMCC), consists of a series of Career Preparation & Enrichment workshops to prepare students for internships, job applications and necessary skills for future career success.

Programme Outline:

<table>
<thead>
<tr>
<th>Year One Compulsory FT Workshops</th>
<th>Year Two Compulsory FT Workshops (a series of five consecutive workshops)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTW 101 Self-Discovery and Awareness</td>
<td>FTW 201 Job Search Strategies</td>
</tr>
<tr>
<td>FTW 102 Career Planning</td>
<td>FTW 202 Résumé and Cover Letter writing</td>
</tr>
<tr>
<td></td>
<td>FTW 203 Social Etiquette and Groom for Success</td>
</tr>
<tr>
<td></td>
<td>FTW 204 Personal Branding and Networking Skills</td>
</tr>
<tr>
<td></td>
<td>FTW 205 Interviewing Skills</td>
</tr>
<tr>
<td>Notes: FTW101 and FTW 102 are pre-requisites for enrolment into Year Two FT Workshops.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year Three/ Four Optional FT Workshops</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FTW 301 Advanced Résumé and Cover Letter Writing</td>
<td></td>
</tr>
<tr>
<td>FTW 302 Competency-based Interviewing Skills</td>
<td></td>
</tr>
<tr>
<td>FTW 303 Mastering Case Interviews</td>
<td></td>
</tr>
<tr>
<td>FTW 304 Acing Assessment Centre</td>
<td></td>
</tr>
</tbody>
</table>

Students must successfully complete the compulsory Year 1 and Year 2 FT workshops to fulfil their graduation requirement for the FT Programme.

For more information, please refer to OASIS > Careers & Comm Service > The Finishing Touch.

INTERNSHIP PROGRAMME (10-WEEK ATTACHMENT) – GRADUATION REQUIREMENT

Dato’ Kho Hui Meng Career Centre (DKHMCC) manages all internship placements for students at SMU. All students must complete a 10-week internship as part of their graduation requirement.

Accountancy, Information Systems and Law students have degree specific requirements for internship. Double Degree students are to ensure that they satisfy the criteria of internship set for both primary and secondary degrees for fulfilment of graduation requirement.

DKHMCC Internship Guidelines

Full-time matriculated students can start their internship after successfully completing two terms and having attended an internship briefing.

To have a successful internship, do prepare and plan ahead. Below are some points to note:

- Students may source for their own internship, or browse through the internship opportunities on OnTRAC II.
- Prior approval must be attained for all internships before embarking on the stint.
- For self-sourced internships, students must submit a self-proposal via OnTRAC II for DKHMCC’s approval. The same guidelines and process will apply to students with internship obligations as part of their scholarship.
• Overseas Internships require valid visa and travel insurance before DKHMCC’s approval is granted.
• The approved internship must be carried out on a full-time basis for a total of 10 weeks completing 400 hours.
• Students are recommended to register their subsequent (2nd/3rd) internships with DKHMCC for approval

Internship Periods

Students are recommended to embark on their internship during Summer/Winter vacation break or during term-time*.

*During term-time, students embarking on full-time internships to apply for Leave of Absence (LOA), restrictions however apply to student pass holders. Please read up the LOA policy via OASIS > Finance & Admin > Absence & Withdrawal > Apply for Leave of Absence and the refund policy via OASIS > Finance & Admin > Absence & Withdrawal > Leave of Absence Policy. Students need to initiate the application for LOA as this process is not automatic. All part-time internships are subjected to approval by DKHMCC and student pass holders are to keep to a maximum of 16 hours of work per week.

Internship Grading

• Internship Report
At the end of the internship, students must submit an internship report within one month from the last day of the internship stint. To complete the internship report, students are to access the report via OASIS > Careers & Comm Service > Internship > Post-Internship Checklist > Participation and Grading.

• Performance Appraisal
A performance appraisal will also be required of the Supervisor / Reporting Officer, under whose supervision the student completed the internship to give feedback on the students’ performance.

Where a student scores below average in his/her "Overall Grading" in the Performance Appraisal, that internship placement will not be recognised towards the fulfilment of the required 10-week internship requirement.

Students’ Internship will be graded and considered complete when submitted documents satisfy the graduation requirements and meets the objectives of the internship programme.

For more information, visit ontrac.smu.edu.sg; alternatively you may refer to OASIS > Careers & Comm Service > Internship. Please direct all general enquiries to placement@smu.edu.sg.

COMMUNITY SERVICE (CENTRE FOR SOCIAL RESPONSIBILITY)

Students are required to be actively involved, to serve and give back to society with a minimum of 80 hours. This is to inculcate in students the value of being responsible and civic-minded citizens of society. Thus, they are encouraged to start their community service attachment early, preferably in the first year of their study.

The Centre for Social Responsibility (C4SR) oversees the community service initiatives of SMU students and guides and mentors them to undertake local or overseas service learning projects that are meaningful and sustainable.

As preparation for Community Service Projects are essential, students must first attend the compulsory Community Service Briefing conducted by C4SR. This briefing is to set the tone for
community service as an SMU graduation requirement; without which the community service rendered will not be acknowledged as part of the fulfilment of the graduation requirements.

Students may work with a maximum of three Organizations to fulfil the first 80 hours. At the end of the attachment, the Host Organizations are required to appraise the students’ performance.

After completing the first 80-hour requirement, students must submit a written report through SMU Oasis. Students’ Community Service will be graded and considered complete only when submitted documents are assessed to be satisfactory and meeting the objectives of the community service programme, in which case the Community Service will be given an overall "pass" grade.

For more information, please refer to OASIS > Careers & Comm Service > Community Service.
SECOND MAJOR

All SMU students enrolled in a single degree programme may opt to do a second major in any of the following:

➢ Economics

To fulfill the requirements of the second major in Economics, Non-BSc (Econ) students must complete the following courses:

- Intermediate Mathematics for Economics
- Intermediate Macroeconomics
- Intermediate Microeconomics
- Introduction to Econometrics
- Economics of Globalisation
- Economic Development in Asia
- Any 2 Economics Electives

➢ Health Economics and Management

(Open to students admitted AY2017-18 onwards)

To fulfill the requirements of the second major in Health Economics and Management (HEM), students must complete the following:

HEM Core

1. Introductory Data Analytics in Healthcare
2. Health Economics
3. Health Systems and Policy
4. Healthcare Management

HEM Elective (Choose 4)

- Economics of Ageing
- Financial Accounting for Healthcare
- Health Law and Medical Ethics
- Health Psychology
- Applied Analytics in Healthcare Management
- Medical Sociology
- Operations and Supply Chain Management in Healthcare
- Smart Healthcare in Asia

➢ Actuarial Science

To fulfill the requirements of the second major in Actuarial Science (ACS), students must complete the following courses.

For students admitted before AY2017-18

Students must declare either the Actuarial Analyst (AA) or Risk Analyst (RA) track under ACS.

Compulsory courses for both AA and RA Tracks:

- Introductory Statistics OR Introduction to Statistical Theory
- Probability Theory and Applications
- Financial Mathematics
- Intermediate Mathematics for Economics
- Intermediate Macroeconomics
- Intermediate Microeconomics
- Financial Accounting
- Finance
- Financial Instruments, Institutions and Markets OR Corporate Finance

Compulsory courses for the AA Track only:

- Introduction to Econometrics
- Life Contingent Risks
- Intermediate Econometrics OR Economic Forecasting
- Analysis of Derivative Securities OR Risk Theory and Loss Models

Compulsory for the RA Track only:

- Risk Theory and Loss Models
- Quantitative Risk Analysis
- Analysis of Derivative Securities OR Life Contingent Risks

For students admitted AY2017-18 onwards

1. Probability Theory and Applications
2. Statistical Inference for Data Science
3. Statistical Learning with R
4. Financial Mathematics
5. Microeconomics I (or Intermediate Microeconomics)
6. Macroeconomics I (or Intermediate Macroeconomics)
7. Financial Accounting
8. Finance
9. Financial Instruments, Institutions and Markets OR Corporate Finance
10. Life Contingent Risks OR Quantitative Risk Analysis
11. Risk Theory and Loss Models

Data Science and Analytics
(Open to students admitted AY2018-19 onwards)

To fulfill the requirements of the second major in Data Science and Analytics (DSA), students must complete the following:

DSA Core

1. Probability Theory and Applications
2. Statistical Inference for Data Science
3. Statistical Learning with R
4. Data Science with R
5. Computational Thinking

DSA Elective

Choose any four courses in the Data Analysis (DA) List and Computing Technology (CT) List, with at least one course in each list.

DA List

- Time Series Data Analysis OR Economic Forecasting
- Financial Data Analysis
- Spatial Data Analysis
• Social and Economic Network Data Analysis
• Panel and Longitudinal Data Analysis
• Big Data Analytics
• Marketing Analytics OR Advanced Analytics OR Service and Operations Analytics OR Forecasting and Forensic Analytics
• Text Mining and Language Processing
• Data Mining and Business Analytics OR Data Warehousing and Business Analytics

CT List

• Spreadsheet Modeling and Analytics (previously known as Computer as an Analysis Tool) OR Data Management
• Visual Analytics for Business Intelligence OR Geospatial Analytics and Applications
• Introduction to Artificial Intelligence
• Introduction to Machine Learning

❖ Applied Statistics
(discontinued with effect from AY2018-19 Term 2)

To fulfill the requirements of the second major in Applied Statistics (APS), students must complete the following courses:

Core Category (2 compulsory courses):

• Introductory Statistics OR Introduction to Statistical Theory
• Probability Theory and Applications

Methodology Category (select any 3 courses):

• Survey Methods
• Computational Statistics
• Applied Stochastic Models
• Applied Regression Methods
• Intermediate Mathematics for Economics
• Economic Forecasting
• Statistical Methods for Actuarial Analysis
• Other approved courses

Application Category (select any 3 courses):

• Introduction to Econometrics
• Intermediate Econometrics
• Financial Econometrics
• Life Contingent Risks
• Risk Theory and Loss Models
• Quantitative Risk Analysis
• Marketing Research
• Investment and Financial Data Analysis
• Other approved courses

All students MUST declare their First as well as Second (if any) Major within their first 4 regular terms of study (inclusive of term on leave of absence and/or international exchange) via OASIS > Academic > Programmes & Majors > Declare Major.
For details on the second majors offered by other Schools and their requirements, please refer to OASIS > Academic > Programmes & Majors > Major Declaration Policy and OASIS > Academic > Advisement & Curriculum > Second Major Requirements.

DOUBLE DEGREE PROGRAMME

The double degree programme gives students an invaluable edge in the global economy and an unrivalled versatility and flexibility in career options. Under the double degree programme, a student can graduate with two degrees in:

- Economics & Accountancy
- Economics & Business Management
- Economics & Information Systems
- Economics & Social Sciences

Students may apply for a double degree programme only at the end of year 1 or year 2 (after release of examination results), before the start of the first term of the next academic year. Please refer to OASIS > Academic > Programmes & Majors > Double Degree Policy for the criteria for applying for a double degree programme as well as the related policies.

Note: Applications will be subject to the Deans' approval. Being eligible to apply does not mean that your application will be approved.

Number of Course Units Required

To graduate with a double degree in the following combinations, the student must complete all the requirements of both degrees:

<table>
<thead>
<tr>
<th>Secondary Degree</th>
<th>No. of Course Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BAcc</strong></td>
<td></td>
</tr>
<tr>
<td>Complete all requirements in the BSc (Econ) curriculum</td>
<td>36</td>
</tr>
<tr>
<td>Complete 8 Business Subject courses in the BAcc curriculum [All of which can be cross-listed as Economics Core or Economics Options within the BSc (Econ) curriculum]</td>
<td>0</td>
</tr>
<tr>
<td>Complete 9 Accounting Core courses in the BAcc curriculum</td>
<td>9</td>
</tr>
<tr>
<td>Complete 3 Accounting Options courses in the BAcc curriculum</td>
<td>3</td>
</tr>
<tr>
<td>Total number of course units</td>
<td><strong>48</strong></td>
</tr>
<tr>
<td><strong>BBM</strong></td>
<td></td>
</tr>
<tr>
<td>Complete all requirements in the BSc (Econ) curriculum</td>
<td>36</td>
</tr>
<tr>
<td>Complete 10 Business Core courses in the BBM curriculum [8 of which can be cross-listed as Economics Core or Economics Options within the BSc (Econ) curriculum]</td>
<td>2</td>
</tr>
<tr>
<td>Complete 6 Business Major Electives in the BBM curriculum [2 of which can be cross-listed as Economics Electives within the BSc (Econ) curriculum, for students with 1st major in Finance]</td>
<td>6</td>
</tr>
</tbody>
</table>

4 for students with 1st major in Finance
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 3 Business Options in the BBM curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[All of which can be cross-listed as Economics Core within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>Complete the Business Capstone course in the BBM curriculum</td>
<td>1</td>
</tr>
<tr>
<td>Total number of course units</td>
<td>45</td>
</tr>
<tr>
<td><strong>BSc (IS)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>For students admitted in AY2015-16 &amp; AY2016-17</strong></td>
<td></td>
</tr>
<tr>
<td>Complete all requirements in the BSc (Econ) curriculum</td>
<td>36</td>
</tr>
<tr>
<td>Complete 5 Information Systems Foundation courses in the BSc (IS) curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[All of which can be cross-listed as Economics Options within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>Complete 6 Information Systems Advanced Topics in the BSc (IS) curriculum</td>
<td>4</td>
</tr>
<tr>
<td>[2 of which can be cross-listed as Economics Options within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>Complete 5 Information System Project &amp; Depth Electives in the BSc (IS) curriculum</td>
<td>2</td>
</tr>
<tr>
<td>[2 of which can be cross-listed as Economics Electives within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>[1 of which can be cross-listed as Technology Studies within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>Complete 6 Business-Oriented Electives in the BSc (IS) curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[4 of which can be cross-listed as Economics Electives within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>[1 of which can be cross-listed as Economics Core within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>[1 of which can be cross-listed as General Education within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>Complete Computational Thinking in the BSc (IS) curriculum</td>
<td>1</td>
</tr>
<tr>
<td>Total number of course units</td>
<td>43</td>
</tr>
<tr>
<td><strong>For students admitted in AY2017-18 onwards</strong></td>
<td></td>
</tr>
<tr>
<td>Complete all requirements in the BSc (Econ) curriculum</td>
<td>36</td>
</tr>
<tr>
<td>Complete 5 Information Systems Foundation courses in the BSc (IS) curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[1 of which can be cross-listed as Economics Core within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>[1 of which can be cross-listed as Technology Studies within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
<tr>
<td>[3 of which can be cross-listed as Economics Options within the BSc (Econ) curriculum]</td>
<td></td>
</tr>
</tbody>
</table>
### Complete 7 Information Systems Major Compulsory courses in the BSc (IS) curriculum
[4 of which can be cross-listed as Economics Options within the BSc (Econ) curriculum]

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 6 Information System Major Electives in the BSc (IS) curriculum</td>
<td>6</td>
</tr>
<tr>
<td>Complete 4 Information Systems Options in the BSc (IS) curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[4 of which can be cross-listed as Economics Electives within the BSc (Econ) curriculum]</td>
<td>0</td>
</tr>
<tr>
<td>Total number of course units</td>
<td>45</td>
</tr>
</tbody>
</table>

### BSocSc
Complete all requirements in the BSc (Econ) curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 4 Social Science Core in the BSocSc curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[All of which can be cross-listed as Economics Core or Economics Options within the BSc (Econ) curriculum]</td>
<td>0</td>
</tr>
<tr>
<td>Complete 7 Social Science Major courses in the BSocSc curriculum</td>
<td>3</td>
</tr>
<tr>
<td>[4 of which can be cross-listed as Economics Options within the BSc (Econ) curriculum]</td>
<td>3</td>
</tr>
<tr>
<td>Complete 8 Social Science Major-Related courses in the BSocSc curriculum</td>
<td>2</td>
</tr>
<tr>
<td>[6 of which can be cross-listed as Economics Electives within the BSc (Econ) curriculum]</td>
<td>2</td>
</tr>
<tr>
<td>Complete the Capstone Seminar in the BSocSc curriculum</td>
<td>1</td>
</tr>
<tr>
<td>Total number of course units</td>
<td>42</td>
</tr>
</tbody>
</table>

### For students doing PLE
Complete all requirements in the BSc (Econ) curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 10 PLE Core in the BSocSc curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[All of which can be cross-listed as Economics Core, Economics Electives or Economics Options within the BSc (Econ) curriculum]</td>
<td>0</td>
</tr>
<tr>
<td>Complete 4 PLE Major courses in the BSocSc curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[4 of which can be cross-listed as Economics Electives or Economics Options within the BSc (Econ) curriculum]</td>
<td>0</td>
</tr>
<tr>
<td>Complete 5 PLE Major-Related courses in the BSocSc curriculum</td>
<td>0</td>
</tr>
<tr>
<td>[5 of which can be cross-listed as Economics Core, Economics Electives or Economics Options within the BSc (Econ) curriculum]</td>
<td>0</td>
</tr>
<tr>
<td>Complete the Capstone Seminar in the BSocSc curriculum</td>
<td>1</td>
</tr>
<tr>
<td>Complete additional courses to meet minimum CU for double degree</td>
<td>4</td>
</tr>
<tr>
<td>Total number of course units</td>
<td>41</td>
</tr>
</tbody>
</table>
TRANSFER OF PROGRAMME

SMU students are allowed, subject to approval of the Deans of both the current and new programmes, to transfer to another programme of study within SMU. Students may apply for a programme transfer only at the end of year 2 (after release of examination results), before the start of the first term of the next academic year.

Please refer to OASIS > Academic > Programmes & Majors > Apply for Transfer of Programme for more information.

Note: Being eligible to apply does not mean that your application will be approved.

EXCHANGE PROGRAMMES

Students may be granted approval to transfer credits from approved institutions for courses taken outside SMU after matriculation. Such approvals must be obtained before students embark on these programmes:

- International Exchange Programmes
- Local Exchange Programmes
- Summer Study Programmes
- Other External Study Programmes (non-exchange and self-arranged by students)

(Refer to OASIS > Campus Life & Exchange for information on these programmes)

Students are not allowed to go on external study programmes with SMU partner universities during regular terms.

Procedures to apply for Other External Study Programmes (non-exchange and self-arranged by students)

1. Student to submit application along with letter of acceptance from the host university via OASIS > Campus Life & Exchange > Other Study Programmes > Self-arranged External Study Programme. Please notify the school if the desired university is not found in the list of host universities.

2. School to evaluate / approve application and inform student of status.

3. Student to submit external study worksheet and attach relevant course outlines with number of contact hours via OASIS > Campus Life & Exchange > Other Study Programmes > Self-arranged External Study Programme.

<table>
<thead>
<tr>
<th>Course duration</th>
<th>SMU credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 36 hours</td>
<td>1 CU</td>
</tr>
<tr>
<td>At least 18 hours but less than 36 hours</td>
<td>0.5 CU</td>
</tr>
</tbody>
</table>

4. School(s) to evaluate / approve worksheet courses (& areas).

5. Student to ensure worksheet courses have been approved before embarking on the external study.

6. If the external study is during summer term (3A/3B), please let the school know once you have confirmed on embarking on the external study so we can update your term status accordingly. If the external study is during regular term, please submit a Leave of Absence in OASIS and indicate the leave reason as "Other External Study: Non-Exch".
7. Student to complete the travel safety preparation at least 2 weeks before departure. Refer to OASIS > Academic > Global Exposure & Overseas Travel Safety > Overseas Travel Safety for step-by-step guide.

8. Student to confirm the external courses for credit transfer (after being successfully enrolled in the courses) via OASIS > Campus Life & Exchange > Other Study Programmes > Self-arranged External Study Programme.

   Note: Students should remain contactable during their external study.

9. Student to submit a copy of the official transcript from Host University to the school upon return from external study.

10. School to update the external study grade.

Please note that students are allowed to transfer a maximum of 2 courses for summer term and 5 courses for regular term. For more information on the credit transfer policy, please refer to OASIS > Policies & Self Service > Academic Policies > Credit Transfer Policy.

OTHER USEFUL INFORMATION

Academic Policies & Self Service Functions
OASIS > Policies & Self Service

Online Course Registration
OASIS > BOSS > Course Enrolment & Drop > All about BOSS

Degree Progress Report
OASIS > Academic > Advisement & Curriculum > My Degree Progression

Course Catalogue
OASIS > BOSS > Courses & Schedules > Browse Course Catalogue

Letter of Certification
OASIS > Finance & Admin > Certification & Personal Info > Enrolment Letter & Academic Summary