NANYANG BUSINESS SCHOOL
SCHOOL OF PHYSICAL & MATHEMATICAL SCIENCES

MSc Financial Engineering

Conditional Admission for MATH, MAFI, MAEC & MAEO Students

Application Procedure

*Please read the following instructions carefully before completing the application form. The Admissions Committee will examine only complete applications.*

1. **Application Form:** Please answer all questions completely. Put “None” or “not Applicable” where appropriate. Type or write clearly all required information and sign on the application form.

2. **Transcripts of all Academic Records:** Certified true copies of official transcripts (mark sheet) of all high school and undergraduate studies from each institution are required. Documents that are not in English must be accompanied by a Certified English translation.

3. **Letters of Recommendation:** You are required to submit two Letters of Recommendation (One each from two different referees) using the Letter of Recommendation forms provided, completed in English. It is strongly recommended that the Letters of Recommendation are written by someone in a position to evaluate you either professionally or academically. A supervisor, project leader, or instructor would make a good reference. It is imperative to have a reference from someone who knows you well enough to make specific comments about you. Letters of Recommendation are to be returned to us with the application form or mailed directly to us. Please note that all Letters of Recommendation must be in the format given below in this document and we do not accept any other forms of Letters of Recommendation.

4. **Checklist:** Please use the checklist to ensure that you have included all the documents to be submitted. Please include the Checklist when submitting your application form and supporting documents.

5. **Application Deadline:** 28 February 2019
## PERSONAL INFORMATION

<table>
<thead>
<tr>
<th>Name (in block letters and underline surname/family name)</th>
<th>Sex</th>
<th>Age</th>
<th>Mode of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr / Miss/ Mrs *</td>
<td></td>
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<table>
<thead>
<tr>
<th>Data to be filled in</th>
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<table>
<thead>
<tr>
<th>Home Address</th>
<th>Telephone No. (Home)</th>
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<tbody>
<tr>
<td>Mobile Phone No.</td>
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<tr>
<td>Pager No.</td>
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<tr>
<td>Email Address (Home)</td>
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<table>
<thead>
<tr>
<th>Office Address</th>
<th>Telephone No. (Office)</th>
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<tr>
<td>Fax No.</td>
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<tr>
<th>Mailing Address (if different from home address)</th>
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<table>
<thead>
<tr>
<th>Date of Birth (Day/Month/Year)</th>
<th>Country of Birth</th>
<th>Nationality</th>
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<tr>
<th>Marital Status</th>
<th>Race</th>
<th>NRIC/ Passport No.</th>
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<tr>
<th>Citizenship (Please attach a certified true copy of NRIC, passport, birth or citizenship certificate)</th>
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<tbody>
<tr>
<td>☐ Singaporean</td>
</tr>
<tr>
<td>☐ Singapore Permanent Resident (Please attach documentary proof)</td>
</tr>
<tr>
<td>☐ Others (please specify) : ____________________________</td>
</tr>
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* Delete where not applicable

## ACADEMIC QUALIFICATIONS

Please attach certified true copies of your A levels certificates, diploma, high school transcripts, degree scrolls, transcripts of university academic records and professional membership certificates, if any. Original documents must be produced for inspection upon admission. Documents not in English must be accompanied by certified translation.
(a) **University (Undergraduate and Postgraduate) Qualification**

<table>
<thead>
<tr>
<th>From (mm/yy)</th>
<th>To (mm/yy)</th>
<th>University/Country</th>
<th>Qualification Obtained</th>
<th>Class of Honour</th>
</tr>
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</table>
(b) Professional Qualifications (if any)

<table>
<thead>
<tr>
<th>From (mm/yy)</th>
<th>To (mm/yy)</th>
<th>Professional Body/Country</th>
<th>Qualification</th>
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(c) Other Courses currently pursuing

<table>
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<tr>
<th>Course of Study</th>
<th>Institution</th>
<th>Expected Completion Date</th>
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(d) Awards - List below any scholastic awards and honours you have received, indicating the year of award.

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<thead>
<tr>
<th>Year of Award</th>
<th>Name of Award</th>
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GRADUATE MANAGEMENT ADMISSION TEST (GMAT) OR GRADUATE RECORD EXAMINATION (GRE)

GMAT or GRE is a compulsory admission requirement. However, SPMS students only need to take it before entering the MFE program.

WORK / INTERNSHIP EXPERIENCE

Indicate in reverse chronological order your part-time or internship experiences during your undergraduate study.

<table>
<thead>
<tr>
<th>From (dd/mm/yy)</th>
<th>To (dd/mm/yy)</th>
<th>Designation/Position</th>
<th>Name of Employer</th>
<th>Employment Sector (public/statutory/private/self-employed)</th>
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</table>
EXTRACURRICULAR/ COMMUNITY ACTIVITIES
Activities and Interests (List Activity, Position Held and Duration)

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<tr>
<th>University</th>
<th>Activity</th>
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International Exposure (study, residence or work abroad):

<table>
<thead>
<tr>
<th>Country</th>
<th>Duration (Months)</th>
<th>Activity</th>
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REFEREES
Provide details of two referees who are able to provide information about your intellectual ability, performance, initiative, motivation, problem solving skills, and mathematical and programming skills. Please use the attached Letter of Recommendation form to request for their recommendations.

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<tr>
<th>Name:</th>
<th>Designation:</th>
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<th>Address:</th>
<th>Telephone No.:</th>
<th>Fax No.:</th>
<th>Email Address:</th>
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<table>
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<tr>
<th>Name:</th>
<th>Designation:</th>
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<th>Telephone No.:</th>
<th>Fax No.:</th>
<th>Email Address:</th>
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</table>

US Visa
a. Have you applied for a US Visa before? □Yes □No
   If Yes, please state the purpose of the application: ________________________________

b. What was the outcome of the application? □Approved □Rejected
   If Rejected, please state the reason for rejection: ________________________________

PERSONAL STATEMENT OF OBJECTIVES

Instructions:
- Please answer the following questions using separate sheets of paper with your name written on the top. It must be typed, a font size of 12 and double-spaced.
- To minimize overlap in your answers, please read all questions before answering.
- Please keep to a 150 word limit for each question.

Questions:
1. What are your reasons for wishing to undertake the M.Sc. (Financial Engineering) programme at the Nanyang Business School? How will it help you to achieve your goals and dreams?
2. Describe your short-term and long-term career objectives and how you plan to achieve them.
3. List the Mathematics & Statistics courses you have completed and the level at which you have taken them.
4. List the Computer Science course you have completed and the level at which you have taken them.
5. Please comment on your background in Finance.
6. Is there any other information that you believe would help the MFE Admissions Committee better evaluate your application?

DECLARATION

I declare that all statements made by me on this form are true and complete. I authorize all entities to provide relevant information to the Nanyang Technological University for use in considering my application and waive any required notice to me. I acknowledge that the Nanyang Technological University may vary or reverse any decision regarding admission or enrollment made on the basis of incorrect or incomplete information provided by me.

Signature of applicant: _____________________________________________

Date: ___________________________________________________________

Please send the completed application form with the relevant supporting documents to:

School of Physical & Mathematical Sciences
Nanyang Technological University
SPMS-04-01, 21 Nanyang Link
Singapore 637371

*Please indicate “Direct Admission for MFE Program for SPMS students” at top left hand corner of envelope.
DEAR REFEREE

The above-named applicant is applying for admission to our Master of Science (Financial Engineering) programme. The Admissions Committee would appreciate receiving a confidential report from you on the applicant.

The committee realizes that considerable time and effort may be involved in preparing this report and greatly appreciates your help. Please provide information on how we may contact you if we have questions on this report. Thank you.

Name of Referee: ____________________________
Designation: ________________________________

Name and Address of Institution/Organization:

Telephone No.: ______________________ Fax No.: __________________ Email address: ________________________________

How long have you known the applicant? _______ years _______ months

In what capacity have you known the applicant? _______________________________________________________

Do you / have you supervised this candidate? □ Yes □ No

Please evaluate this applicant on the scale below in comparison with others you have known during your professional career.

Describe the reference group you are using: ________________________________________________________________

<table>
<thead>
<tr>
<th>Top 1% Truly Outstanding</th>
<th>Top 10% Superior</th>
<th>Top 25% Above Average</th>
<th>Top 50% Average</th>
<th>Lower 50% Below Average</th>
<th>Unable to Evaluate</th>
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<tbody>
<tr>
<td>Mathematical Ability</td>
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<tr>
<td>Problem Solving Ability</td>
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<tr>
<td>Initiative and Motivation</td>
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<tr>
<td>Creativity and Innovation</td>
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<tr>
<td>Ability to Work in Teams</td>
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</table>
Please answer these questions (use additional sheets, if necessary)

1. Describe the applicant's problem solving abilities.

________________________________________________________________________
________________________________________________________________________

2. Rate the applicant's achievements when compared to those of his or her peers.

________________________________________________________________________
________________________________________________________________________

3. Describe the applicant's abilities in mathematics, if known to you.

________________________________________________________________________
________________________________________________________________________

4. Describe the applicant's computer programming abilities and skills, if known to you.

________________________________________________________________________
________________________________________________________________________

5. Describe the applicant's ability to communicate, orally and in writing, in English.

________________________________________________________________________
________________________________________________________________________

6. Discuss the applicant's effectiveness in working with others. (Consider whether the applicant works well as a team member, commands respect of his or her associates, assumes leadership, takes initiative.)

________________________________________________________________________
________________________________________________________________________

7. Please add any additional statement you may wish concerning the applicant's aptitude for graduate work and/or his or her potential for leadership roles in the future.

________________________________________________________________________
________________________________________________________________________

8. Do you recommend the applicant for admission to the M. Sc. (Financial Engineering) Programme? (Tick one of the boxes below)

[ ] Strongly recommend  [ ] Recommend with some reservations  [ ] Recommend  [ ] Do not recommend

If you have any reservations in your recommendation, please elaborate:

________________________________________________________________________
________________________________________________________________________

Signature ___________________________ Date ___________________________

Thank you for taking the time to tell us about this applicant. Please return in a signed, sealed envelope to the applicant.

School of Physical & Mathematical Sciences  
Nanyang Technological University  
SPMS-04-01, 21 Nanyang Link  
Singapore 637371  

SPMS MFE Direct Admission 2019
NANYANG BUSINESS SCHOOL
MSc (FINANCIAL ENGINEERING)

LETTER OF RECOMMENDATION
CONFIDENTIAL

TO BE COMPLETED BY APPLICANT

Please fill in your name below and forward this form to your referee for completion:

___________________________________________________

(NAME AS IN ONLINE APPLICATION)

DEAR REFEREE

The above-named applicant is applying for admission to our Master of Science (Financial Engineering) programme. The Admissions Committee would appreciate receiving a confidential report from you on the applicant.

The committee realizes that considerable time and effort may be involved in preparing this report and greatly appreciates your help. Please provide information on how we may contact you if we have questions on this report. Thank you.

<table>
<thead>
<tr>
<th>Name of Referee:</th>
<th>Designation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name and Address of Institution/Organization:</td>
<td></td>
</tr>
<tr>
<td>Telephone No.:</td>
<td>Fax No.:</td>
</tr>
</tbody>
</table>

How long have you known the applicant? ______ years ______ months

In what capacity have you known the applicant? ___________________________________________________

Do you / have you supervised this candidate? □ Yes □ No

Please evaluate this applicant on the scale below in comparison with others you have known during your professional career.

| Describe the reference group you are using: | |
|---------------------------------------------|-------------------|-----------------|-------------------|----------------------|------------------|
| Mathematical Ability | Top 1% Truly Outstanding | Top 10% Superior | Top 25% Above Average | Top 50% Average | Lower 50% Below Average | Unable to Evaluate |
| Problem Solving Ability | | | | | | |
| Initiative and Motivation | | | | | | |
| Creativity and Innovation | | | | | | |
| Ability to Work in Teams | | | | | | |

SPMS MFE Direct Admission 2019
Please answer these questions (use additional sheets, if necessary)

1. Describe the applicant's problem solving abilities.

________________________________________________________________________

________________________________________________________________________

2. Rate the applicant's achievements when compared to those of his or her peers.

________________________________________________________________________

________________________________________________________________________

3. Describe the applicant's abilities in mathematics, if known to you.

________________________________________________________________________

________________________________________________________________________

4. Describe the applicant's computer programming abilities and skills, if known to you.

________________________________________________________________________

________________________________________________________________________

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________________________________________________________________________

________________________________________________________________________

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________________________________________________________________________

________________________________________________________________________

7. Please add any additional statement you may wish concerning the applicant's aptitude for graduate work and/or his or her potential for leadership roles in the future.

________________________________________________________________________

________________________________________________________________________

8. Do you recommend the applicant for admission to the M. Sc. (Financial Engineering) Programme?
   (Tick one of the boxes below)

   [ ] Strongly recommend
   [ ] Recommend with some reservations
   [ ] Recommend
   [ ] Do not recommend

If you have any reservations in your recommendation, please elaborate:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Signature ___________________________ Date ___________________________

Thank you for taking the time to tell us about this applicant. Please return in a signed, sealed envelope to the applicant.

School of Physical & Mathematical Sciences
Nanyang Technological University
SPMS-04-01, 21 Nanyang Link
Singapore 637371

SPMS MFE Direct Admission 2019
CHECKLIST

BEFORE SEALING THE ENVELOPE, PLEASE CHECK THAT YOU HAVE INCLUDED ALL THE FOLLOWING:

☐ Application form duly completed.
☐ Two passport-size photographs (your name written on the reverse side of each photograph)
☐ Certified true copy of
  ☐ GCE ‘A’ Level Certificate OR Pre-university Certificate (high school, college or university entrance transcripts)
  ☐ Latest Transcript (marksheet) of academic records from each university attended
  ☐ Professional membership certificates, if any (e.g. CFA, FRM etc.)
  ☐ Permanent Proof of Identification (NRIC; Passport; Citizen Certificate; Birth certificate or Documentary proof of Resident status. Please submit only one)
☐ Two completed Letters of Recommendation in sealed envelopes (One each from Two different referees) using the official Letter of Recommendation forms provided.

Note: Documents not in English must be accompanied by an official translation.

PLEASE RETURN THIS CHECKLIST TOGETHER WITH THE ABOVE DOCUMENTS. APPLICATIONS WITH INCOMPLETE DOCUMENTS WILL NOT BE PROCESSED.

THANK YOU.