<table>
<thead>
<tr>
<th><strong>4+1 PROGRAM</strong></th>
<th><strong>EM BSE (Business Analytics Focus ONLY)/IE MS</strong></th>
<th><strong>IE BSE/IE MS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>REQUIRED ASU GPA</td>
<td>3.2/4.0 for BSE/MS (Students can select thesis or non-thesis)</td>
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<tr>
<td>PROGRESS IN BS/BSE DEGREE REQUIRED BEFORE APPLYING</td>
<td>MINIMUM OF 75 SEMESTER HOURS COMPLETED TOWARD EM BACHELOR’S DEGREE</td>
<td>MINIMUM OF 75 SEMESTER HOURS COMPLETED TOWARD IE BACHELOR’S DEGREE</td>
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</tbody>
</table>
| COURSE COMPLETION BEFORE APPLYING | CSE205, MAT242, IEE380, IEE376, IEE385  
3.0 GPA REQUIRED; A GRADE OF B OR BETTER RECOMMENDED FOR ABOVE COURSES  
EM students will be required to complete IEE 470 in place of IEE 474 as part of their Business Analytics focus to meet the deficiencies for the IE Master’s program | CSE205, MAT242, IEE380, IEE376, IEE385  
3.0 GPA REQUIRED; A GRADE OF B OR BETTER RECOMMENDED FOR ABOVE COURSES |
| NUMBER OF GRADUATE COURSES TO SHARE BTWN BOTH DEGREES FOR 4+1 PROPOSAL FORM | UP TO 3- Must be IEE 5XX courses  
Courses should include:  
2016 and earlier catalog years: IEE 556 (in place of 456)  
IEE 5XX Core (for UG Industry Focus)  
IEE 5XX Core (for UG Industry Focus)  
*See handbook for core options  
2017 and later catalog years: IEE 556 (in place of 456)  
IEE 572 in place of IEE 454  
IEE 573 or 578 | UP TO 3- Must be IEE 5XX courses  
IEE 5XX Core or Elective (UG Career Focus)  
IEE 5XX Core (UG Career Focus)  
IEE 5XX Core (UG Career Focus)  
*See handbook for core options  
**IE Students need to take IEE 475 as part of their undergraduate requirements |
| GRE REQUIRED? | No | No |
| 1-2 PG STATEMENT OF PURPOSE REQUIRED | REQUIRED | REQUIRED |
| IE FACULTY LETTERS OF REC | 2 | 2 |
| SUBMIT APPLICATION TO GRAD COLLEGE TO APPLY TO 4+1 PROGRAM (WHILE STILL IN UG PROGRAM) | REQUIRED- Need to apply for MS in IE | REQUIRED- Need to apply for MS in IE |
| GPA REQUIREMENTS ONCE ACCEPTED INTO PROGRAM | 3.00/4.00 IN OVERALL UG & GRAD COURSES; NO GRADE BELOW “C” IN IEE400- & IEE500- LEVEL COURSES | 3.00/4.00 IN OVERALL UG & GRAD COURSES; NO GRADE BELOW “C” IN IEE400- & IEE500- LEVEL COURSES |

**ADMISSION TO THIS PROGRAM IS COMPETITIVE AND IS NOT GUARANTEED**

*INTERNATIONAL STUDENTS NEED TO COMPLETE 90 DOMESTIC CREDIT HOURS BEFORE THEIR ENGLISH COMPETENCY REQUIREMENT CAN BE WAIVED.*

*STUDENTS ARE EXPECTED TO BE CONTINUOUSLY ENROLLED (IN GRADUATE LEVEL 5XX COURSES) AFTER COMPLETION OF THE BSE DEGREE IN ORDER TO REMAIN IN THE 4+1 PROGRAM.*

*STUDENTS MAY WORK WITH THEIR 4+1 ADVISOR TO CONVERT TO THE IE MS ONLINE PROGRAM AFTER BSE DEGREE GRADUATION.*

*STUDENTS ARE EXPECTED TO COMPLETE THEIR GRADUATE COURSEWORK WITHIN A YEAR AND A HALF OF RECEIVING THEIR BACHELORS DEGREE.*

*STUDENTS PLANNING TO RESERVE UP TO AN ADDITIONAL 3 HOURS OF GRADUATE CLASSES MUST WORK WITH THEIR 4+1 ADVISOR TO SELECT APPROPRIATE COURSES.*

*STUDENTS WHO WISH TO DROP OUT OF THE 4+1 PROGRAM MUST ALERT THEIR 4+1 ADVISOR.*