

# 5 year BSIE/MBA program

**A limited number of Industrial Engineering undergraduates are eligible to participate in a 5-year academic program that leads to two degrees: a BSIE and an MBA.**

Historically, many students who earn undergraduate degrees in Industrial Engineering go on later to complete MBA degrees. An article from the *Chronicle of Higher Education* (July 2, 2002) gives some indication why:

"...a survey of more than 5,000 second-year M.B.A. students this spring found that they expected to earn an average base starting salary of \$75,000, compared with their average pre-M.B.A. salary of \$48,000. The council also surveyed corporate recruiters, who confirmed the \$75,000 starting-salary figure."

Industrial Engineering students still complete all of the normal BSIE degree requirements, with one exception:

The BSIE Tech Elective requirement is replaced with MBA Elective courses.

The program is designed to be completed in 5 years, with a general structure as follows:

- Years 1, 2, and 3 are spent in pre-engineering and Industrial Engineering coursework.
- Year 4 is spent entirely taking the MBA Core Sequence (BA 500, 501, 502; 48 credits total).
- Year 5 is spent taking MBA Electives (24 credits total) and remaining Industrial Engineering requirements.

**A sample 5-year quarterly schedule is provided below to give you an idea of how the program requirements can be completed:**

## YEAR 1:

<i>AUTUMN</i>		<i>WINTER</i>		<i>SPRING</i>	
<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>
MATH 124	5	MATH 125	5	MATH 126	5
CHEM 142	5	CHEM 152	5	PHYS 121	5
ENGL Comp	5	VLPA/IS	5	CSE 142	4
<i>Quarter Total 15</i>		<i>Quarter Total 15</i>		<i>Quarter Total 14</i>	

## YEAR 2:

<i>AUTUMN</i>		<i>WINTER</i>		<i>SPRING</i>	
<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>
MATH 307	3	MATH 308	3	IND E 250	4
PHYS 122	5	PHYS 123	5	MSE 170	4
AA 210	4	CEE 220	4	ME 230	4
TC 231	3	IND E 315	3	VLPA/IS	5
<i>Quarter Total 15</i>		<i>Quarter Total 15</i>		<i>Quarter Total 17</i>	

**YEAR 3:**

<i>AUTUMN</i>		<i>WINTER</i>		<i>SPRING</i>	
<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>
IND E 337	4	IND E 316	4	Area A-D tech. elec.	4
IND E 410	4	IND E 411	4	EE 215	4
Area A-D tech. elec.	4	Area A-D tech. elec.	4	TC 333	4
VLPA/IS	5	VLPA/IS	5	VLPA/IS	5
<i>Quarter Total</i>	<i>17</i>	<i>Quarter Total</i>	<i>17</i>	<i>Quarter Total</i>	<i>17</i>

**YEAR 4:**

<i>AUTUMN</i>		<i>WINTER</i>		<i>SPRING</i>	
<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>
BA 500	16	BA 501	16	BA 502	16
<i>Quarter Total</i>	<i>16</i>	<i>Quarter Total</i>	<i>16</i>	<i>Quarter Total</i>	<i>16</i>

**YEAR 5:**

<i>AUTUMN</i>		<i>WINTER</i>		<i>SPRING</i>	
<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>	<u>Course</u>	<u>Cr.</u>
Area A-D tech. elec.	4	IND E 494	4	IND E 495	4
Area E tech. elec.	4	VLPA/IS	5	VLPA/IS	5
MBA elective	4	MBA elective	4	MBA elective	4
MBA elective	4	MBA elective	4	MBA elective	4
<i>Quarter Total</i>	<i>16</i>	<i>Quarter Total</i>	<i>17</i>	<i>Quarter Total</i>	<i>17</i>

**Admission is for Autumn Quarter only, with a February 1st application deadline.**

Students must first be admitted and enrolled as Industrial Engineering undergraduates in order to be eligible for the MBA option.

If interested, you need to submit all of the MBA admission materials.

The MBA admission materials include:

- Online MBA Application and survey
- Resume
- Essays
- Recommendations
- \$75 non-refundable application fee
- Official sealed transcripts (2 copies from each institution attended)
- Two sealed letters of recommendation
- Copy of GMAT score report