

Concurrent B.S./M.S. Industrial Engineering Degree

A student that successfully completes this program will receive both a B.S.I.E. and an M.S.I.E degree from the Industrial and Manufacturing Systems Engineering Department (IMSE). This program has both a thesis and a coursework only format.

Admission Requirements: A student must petition Kansas State University's Graduate School to be admitted into this program. The following requirements must be met before an individual can be admitted into this program.

- The student must be seeking a B.S.I.E. degree from IMSE.
- The student must have completed at least 80 credit hours of his/her undergraduate degree.
- The student's cumulative undergraduate GPA must be at least 3.25.
- The student must have a member of KSU's Graduate Faculty in the IMSE department agree to be his/her major professor (this professor can be changed in accordance to KSU's policies.)
- The student must apply for this program before receiving his/her B.S.I.E degree.

Program Formats and Guidelines: Since there is some overlap between undergraduate and graduate study, some graduate courses will satisfy the degree requirements for the undergraduate degree. A maximum of 9 graduate credit hours from the M.S.I.E. degree can be counted toward the B.S.I.E. degree. Some additional conditions are:

The student must complete all B.S.I.E. undergraduate requirements with the exception that up to 9 credit hours of IMSE 600 or 700 level classes taken for graduate credit can also count toward his/her undergraduate degree requirements.

- The student must complete 30 graduate credit hours with a graduate GPA of at least 3.0.
- The student must complete all B.S.I.E. undergraduate requirements with the exception that up to 9 credit hours of IMSE 600 or 700 level classes taken for graduate credit can also count toward his/her undergraduate degree requirements.
- The student must take IMSE 641 and IMSE 666 at the graduate level. (This satisfies two of the core course requirements of the M.S.I.E. degree.)
- At least 60% of the graduate credit hours on the Graduate Program of Study must be in classes at the 700 level or above. (Note that a student can take at most 4 graduate classes at the 600 level.)
- Once a student applies for this program, he/she must be continuously enrolled to complete this program. If a student is not enrolled for a fall or spring semester, this student loses the ability to count graduate credit hours toward his/her undergraduate degree.
- All students must take core course IMSE 811 and also take IMSE 888 if pursuing a coursework only option.
- No more than one C will be allowed in any of the core classes (IMSE 641, IMSE 666, IMSE 811 and IMSE 888 (for course work only students)). This may require repeating some classes.
- At most 6 hours of graduate courses can be taken from a department other than IMSE.

- A student pursuing a thesis format, must complete at least 6 credit hours of Masters Thesis (IMSE 899).

Once an individual is admitted to the concurrent B.S./M.S.I.E. degree program, the student should consult the graduate handbook for policies and procedures for graduate degrees, which include: supervisory committee, final examination, thesis defense, etc. The student's supervisory committee must approve the program of study, which is that student's graduation requirements.

Once a student has completed all of the graduation requirements, he/she will graduate with both a B.S.I.E. and an M.S.I.E. degree in the same semester. In the event that a student begins this program, but does not wish to finish it, he/she must change the nine credit hours of his/her graduate classes to undergraduate credit and then he/she will receive a B.S.I.E. degree. Once the student has completed 127 credit hours, the IMSE Graduate Committee will evaluate whether or not the student will be allowed to continue the concurrent B.S./M.S.I.E. program based upon KSU Graduate School policies. If the committee doesn't allow the student to continue with the program, then, upon completion of the B.S.I.E. requirements, the student will graduate with a B.S.I.E. degree. In either of these two cases, the student has lost the ability to count courses toward both his/her undergraduate and graduate degree requirements.

Additional Procedures: Each semester a student in this program must enroll in either IMSE 892 (Graduate Seminar) or IMSE 015 (Engineering Assembly). For at least one year, the student must be enrolled in IMSE 892.

KANSAS STATE UNIVERSITY
DEPARTMENT OF INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING
Concurrent Bachelor of Science and Master of Science - INDUSTRIAL ENGINEERING
 Program Format and Minimum Requirements*

An entering student must be pursuing a B.S.I.E. and have at least a 3.25 GPA. The student must enroll in this program after completing 80 undergraduate credit hours, but before his/her B.S. degree is awarded.

The formats for this program are as follows. *

	Thesis	Course Work Only
Core Courses	9	12†
Other IMSE Courses and Electives	15	18
Thesis	6	0
IE Seminar	0	0
TOTAL GRADUATE CREDITS	30	30

Core Courses and Policies

IMSE 641 - Statistical Process Control in Manufacturing (for graduate credit)

IMSE 666 - Operations Research III (for graduate credit)

IMSE 811 - Advanced Production & Inventory Control

† IMSE 888 - Industrial Engineering Research Methods

To graduate, a student may receive at most one C in all of the core courses (no D's or F's are allowed). This may require some students to retake core courses.

* Actual degree requirements will be summarized on an approved plan of study. Some general guidelines include:

The student must complete all of the B.S.I.E. undergraduate requirements with the exception that up to 9 credit hours of IMSE 600 or 700 level classes taken for graduate credit can also count toward his/her undergraduate degree requirements.

The student must complete at least 30 graduate credit hours

At least 60 percent of graduate courses must be above the 700 level.

No more than 6 graduate hours can be taken from an outside department without prior permission.

Graduate courses in the IMSE department must be above the 600 level.

Graduate courses outside the department must be above the 500 level.

Continuous enrollment required.

Each semester a student must enroll in either IMSE 015 or IMSE 892 and complete at least 2 semester of IMSE 892.