Effective Date: Spring 2020

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.

Students are warned that simultaneously pursuing both an undergraduate and graduate degree is complicated and additional guidelines exist. Being admitted can impact scholarships, federal grants and loans, including one's PELL status. Any student wishing to pursue this degree should make an appointment with the department head to discuss some of the university practices and policies for these degrees.

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 75 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. These classes are identified by completing the BS/MSIE form. Some additional requirements 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 graduate school requires that all graduate courses be taken for graduate credit during the semester of enrollment. The graduate school will not change an undergraduate course to a graduate course after grades are assigned. If the student has deferred admission, then the student must submit special enrollment request to enroll or change current course(s) to the graduate level credit.

- 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 811 at the graduate level. (This satisfies two of the core course requirements of the M.S.I.E. degree.)
- The OR core course requirement is satisfied by taking the graduate level of either IMSE 780 or two operations research courses (IMSE 751, IMSE 760, IMSE 810, IMSE 830, IMSE 842,

IMSE 865, IMSE 866, IMSE 881, IMSE 882, IMSE 884, IMSE 971, IMSE 976, IMSE 982, and IMSE 991).

- No more than one C will be allowed in any of the core classes (IMSE 641, IMSE 811 and the OR core requirement). This may require repeating some classes.
- The courses required to meet the master's degree requirements are listed on the student's program of study. The program of study must be approved by the student's supervisory committee and be submitted to the graduate school. The program of study should be submitted after being admitted to the MSIE program and completing 9 hours of graduate credit.
- 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 12 hours of graduate classes at the 500 or 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.
- A maximum of 6 hours of graduate courses can be taken from a department other than IMSE without supervisory committee approval.
- 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 124 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.

Effective: Fall 2019

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	9-12
Other IMSE Courses and Electives	12-15	18-21
Thesis	6	0
IE Seminar (IMSE 892)	0	0
TOTAL GRADUATE CREDITS	30	30

Core Courses and Policies

IMSE 641 - Statistical Process Control in Manufacturing (for graduate credit)
IMSE 811 - Advanced Production & Inventory Control
IMSE 780 – Methods of Operations Research (for graduate credit)
or
Two OR classes - IMSE 751, IMSE 760, IMSE 810, IMSE 830, IMSE 842, IMSE 865, IMSE 866, IMSE 881, IMSE 882, IMSE 884, IMSE 971, IMSE 976, IMSE 982, and IMSE 991.

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 another department without supervisory committee 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.

Concurrent Bachelor's and Master's Degree Form

Student Name: _____ WID Number: _____

This departmental form informs students and advisors the classes that will be taken for graduate credit and also count toward the bachelor's degree. These graduate classes are required as a part of the student's undergraduate degree program and should also be listed on the M.S.I.E. program of study.

Students applying for the BS/MSIE degrees should complete this form either with their graduate school application or immediately after being admitted to the program. Upon admittance, the student should meet with the department head to understand the guidelines, policies and requirements for this program.

These dual counting classes must be numbered between 600 and 799. These classes must be enrolled for graduate credit in the semester in which they are taken. If a student defers admittance to the graduate program, the student must complete the graduate school's special enrollment request to enroll in these classes for graduate credit until the student is admitted.

Credit Hours	Class Number	Class Name	Bachelor Degree Program Requirement
_	_____	_____	_____
_	_____	_____	_____
_	_____	_____	_____

Total hours applied from master's degree to undergraduate degree. _

_____

Student's Signature

The student's signature implies that the student understands that he/she is responsible for enrolling in graduate classes at the appropriate time.

_____ _____

Undergraduate Advisor's Signature Department Head's signature