

Curriculum for the Master of Science in Engineering Management
Youngstown State University
Rayen School of Engineering, Industrial Engineering
Program

Program Details:

- 1). A two-year **100% online** program that typically starts in the Fall semester.
- 2). Total number of credit hours required to complete the degree is 30 hours.
- 3). A *typical* program/schedule of the courses offered are shown below. Course rotation is not fixed.

Standard Schedule of Courses

30 credit hours total needed				
1st-year	Catalog	Course Name	CrH	Offered
Fall	ISEN 6921	Engineering Statistics	3	Fall '23, '25
	OMBA 1		3	
Spring	ISEN 5881	Competitive Manufacturing Mgt	3	Yearly
	ISEN Elective		3	Spr '24, '26
Summer	OMBA 2		3	
2nd-year				
Fall	ISEN 6906	Supply Chain Engr	3	Fall '22, '24
	ISEN 6920	Project Mgt	3	Fall '22, '24
Spring	ISEN 6935	Decision Analysis	3	Spr '23, Spr '25
	OMBA 3		3	
Summer	OMBA 4		3	

OMBA Course Schedule

OMBA Courses (Choose 4)--7 weeks online intensive		Offered
OMBA 6941	Managing Organizational Talent	Sum 2 '23, F 2 '23, Sum 2 '24, Spr 2 '25, F 2 '25
OMBA 6923	Corporate Financial Mgt	F 1 '23, Spr 1 '24, Sum 1 '24, F 1 '24, Spr 1 '25, Sum 1 '25, F 1 '25
OMBA 6955	Marketing Strategies	Sum 2 '23, Spr 2 '24, F 2 '24, Sum 2 '25, Spr 2 '26
OMBA 6922	Cost Based Decision Making	Sum 1 '23, Spr 1 '24, F 1 '24, Sum 1 '25, Spr 1 '26
OMBA 6921	Industrial Economics	Spr 1 '24, F 1 '24, Sum 1 '25, Spr 1 '26

NOTES:

- 1). To complete the program in 2 years, a student must take each core course in the semester that the course is scheduled to be offered.

- 2). The Following courses will be made available to the students as elective once the online versions are developed/updated. Students may choose only the electives that are available at the time of registration for each term.

Course #	Course Name	Term to be offered	Credit hours
<i>ISEN 5880</i>	<i>Management of Technology</i>	<i>To be determined</i>	<i>3</i>
<i>ISEN 6902</i>	<i>Digital Simulation</i>	<i>To be determined</i>	<i>3</i>
<i>ISEN 6910</i>	<i>Design and Analysis of Experiments</i>	<i>To be determined</i>	<i>3</i>
<i>ISEN 5825</i>	<i>Advance Engineering Economy</i>	<i>To be determined</i>	<i>3</i>

- 3). If a student plans to take an optional course (as a substitute for a core course), he/she needs to secure the approval of the program director before registering for the course.
- 4). Students may register for a “Graduate projects” course as a substitute for 3 hours of Technical or Business courses listed above. It is recommended that student should start such a course at least 6 months before the planned graduation date.
- 5). Students may need to take pre-requisite courses to be able to register for some of the courses included in the program. Some pre-requisites may be waived if equivalent courses have been taken. Students must consult an academic advisor to determine which pre-requisites will be needed.
- 6). To take any of the OMBA courses, a OMBA Registration Waiver Request must be completed and returned to Ms. Bradford (mrbradford@ysu.edu).
- 7). For any questions, please contact Dr. Brozina (scbrozina@ysu.edu), the Program Coordinator for the Online Master’s Program.
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