

## Degree Programs

### Nano+MBA Program

#### Program Leading to the Master of Science - Master of Business Administration ("Nano+MBA")

The Nano+MBA Program is an interdisciplinary program linking the Master in Nanosciences and Nanoengineering and Master of Business Administration degree programs. It is a cooperative effort between the College of Nanoscale Sciences and Engineering and the School of Business at the University at Albany. The goal of the program is to develop industry ready graduates who will be facilitators of change with the ability to integrate science, engineering, business, and management. The objectives of this program are to:

1. Integrate knowledge and skills from nanotechnology and business disciplines for effective responses to rapidly changing environments; and
2. Prepare engineers for effective participation in the management of nanotechnology-based organizations.

The requirements for the MS-MBA dual degree program include a minimum of 63 credits: 36 credits in required School of Business (SOB) coursework and 27 credits in required College of Nanoscale Science and Engineering (CNSE) coursework. Students enrolled in this program will participate in the evening MBA program to complete the SOB requirements of the dual degree. International students are required to take the SPEAK test during orientation; those not achieving a minimum score of 50 are required to register for English as a Second Language (ESL) courses as advised.

An original research project is required to fulfill the requirements of the MS in Nanosciences and Nanoengineering. The combined curriculum is full-time and designed to be completed in two years.

Below is a chart identifying the semester, course, and credit requirements of the MS-MBA program:

YEAR 1				
Semester	SOB Courses (evening)		CNSE Courses (day)	
<b>Fall</b> <b>18 credits</b>	ACC 518*	3 credits	CNSE Concentration^	3 credits
	BUS 523*	1 credit		
	FIN 515*	3 credits		
	ITM 510*	1 credit	NNSE 699**	3 credits
	ITM 520*	1 credit		
	MGT 513	3 credits		
<b>Spring</b> <b>15 credits</b>	ITM 513*	3 credits	CNSE Concentration^	3 credits
	ITM 522	3 credits	NNSE 699**	3 credits
	MGT 514	3 credits		
<b>Summer</b> <b>6 credits</b>	BUS 675	3 credits	CNSE Seminar/ External Course+	3 credits

YEAR 2				
Semester	SOB Courses (evening)		CNSE Courses (day)	
Fall 15 credits	ITM 514	3 credits	CNSE Concentration <sup>^</sup>	3 credits
	FIN 525	3 credits	NNSE 699**	3 credits
	MKT 522	3 credits		
Spring 9 credits	MGT 682	3 credits	CNSE Elective+	3 credits
			NNSE 699**	3 credits

\*Courses may be waived with appropriate academic coursework (determined at SOB advisement session during orientation)

<sup>^</sup>CNSE concentration consists of any 3 courses selected from 501, 511, 512, 519, 525, 528, and 541.

\*\* NNSE 695 Introduction to Research Problems in Nanoscience and Nanoengineering will be substituted for those students pursuing the non-thesis route

+Courses as advised

The original research project requirement should represent a significant scientific contribution to the appropriate CNSE concentration area. Completion of this research requirement follows one of two pathways:

1. Submission and successful defense of a formal Masters Thesis:

Within two semesters of matriculation, the student must submit a proposal outlining an original research project constituting a Masters Thesis to his or her thesis committee. The candidate must describe the motivation and background for the thesis, the critical milestones for completing the research, and a statement of work outlining a specific research plan.

The five-person M.S. thesis committee consists of at least three members of the CNSE faculty (including the candidate's advisor who serves as chair) and at least one outside member (School of Business faculty or CNSE research partner). Upon timely completion of the thesis research project, the candidate prepares a thesis and submits the final draft to the thesis committee. The committee ascertains the suitability of the draft and recommends amendments which the candidate must complete before the final defense is scheduled. Once approved by the committee, permission is granted for the candidate to present and defend his or her thesis in a public seminar.

2. Submission of a detailed written research report combined with the successful completion of a portion of the Ph.D. written qualifying examination:

Within two semesters of matriculation, the student must submit to his or her research advisor a proposal outlining an original research project to be undertaken. The candidate must describe the motivation and background for the proposal, the critical milestones for completing the research, and a statement of work outlining a specific research plan.

Upon timely completion of the Master's research project, the candidate prepares a

detailed written research report and submits the final draft to the research advisor. The advisor ascertains the suitability of the draft and recommends amendments, which the candidate must complete before being recommended for the Master's degree. Students following this pathway must also pass a portion of the Ph.D. written qualifying examination within two attempts.