

	Program Name	Primary Instructor(s)	Description / Overview	Points Minimum 40/year	
Graduate courses	General courses	Engineering Literacy I (1cr.)	Prof. Maruyama (Mech.) Prof. Okubo (Chem.) Prof. Yokono (GMSI)	Course is centered around Technological Literacy.	5-15 (A=15, B=10, C=5)
		Engineering Literacy II (1cr.)	Prof. Maruyama (Mech.) Prof. Okubo (Chem.) Prof. Yokono (GMSI)	Course is centered around knowledge of the law.	5-15 (A=15, B=10, C=5)
		Engineering Literacy III (1cr.)	Prof. Suzuki (Aero.) Prof. Koseki (Mater.) Prof. Mitsuishi (Mech.)	Course is centered around Language Literacy.	5-15 (A=15, B=10, C=5)
		Engineering Competency I (2cr.)	Prof. Kaneko (Mech.) Prof. Yokono (GMSI) Prof. Mitsuishi (Mech.)	Project Based Learning to cultivating the leadership skills needed to engage actively in industry and academia.	maximum of 20
		Engineering Competency II (2cr.)	Prof. Suga (Precision) Prof. Takamasu (Precision) Prof. Yokono (GMSI)	Approximately 2-6 month investigation of at least one topic through collaborative research or a domestic/international internship	maximum of 20
		Engineering Competency III (2cr.)	Prof. Watanabe (Mater.) Lect. Einarsson (GMSI) Prof. Mitsuishi (Mech.)	English-only camp where Japanese and international participants discuss and exchange ideas on various engineering-related research	maximum of 20
	Advanced topics	Exercise Course of Extended Nanospace (2 cr.)	Prof. Sakai (Mech.) Prof. Suzuki (Mech.) Prof. Watanabe (Mater.)	Application of the extended nanospace. MEMS or Simulation exercise for extended nanospace	maximum of 20
		Fundamental Theory of Extended Nanospace (2 cr.)	Prof. Maruyama (Mech.)	Molecular dynamics and fundamental theory of the extended nanospace	5-15 (A=15, B=10, C=5)
		Nano/Micro Devices (2 cr.)	Prof. Kitamori (Appl. Chem.)	Realization of devices based on fundamentals of extended nanospace	5-15 (A=15, B=10, C=5)
		Nano/Micro Mechanical Systems (2 cr.)	Prof. Takamasu (Precision)	Synthesis of innovative mechanical systems through integration of nano/micro devices, with real-world examples	5-15 (A=15, B=10, C=5)
		Nano/Micro Medical Systems (2 cr.)	Prof. Matsumoto (Mech.) Prof. Mitsuishi (Mech.)	Gene therapy, ultrasonic diagnostics and treatment, etc. Fundamentals and realization of nano/micro systems.	5-15 (A=15, B=10, C=5)
		Nano/Micro Energy Systems (2 cr.)	Prof. Kasagi (Mech.) Prof. Suzuki (Mech.)	Study of the fundamentals of microscale thermal hydraulics, micro energy conversion systems, etc. and their implementation.	5-15 (A=15, B=10, C=5)
Seminars, symposia, etc.	Evening Seminar	Prof. Sakai (Mech.)	Approx. once a month, a speaker will be invited to give an evening seminar. Some seminars will be followed by an informal discussion	2 per seminar	
	Open Seminar	Each GMSI Member	A public seminar given by an expert invited from outside the university.	2 per seminar	
	Workshop	Each GMSI Member	Discussion on various topics, such as a PhD's career path, involving educators both within and from outside the university	5-10 per workshop	
	Domestic Symposium	Prof. Yoshimura (Sys. Inn.) Prof. Takeda (Aero.) Prof. Ikuhara (Mater.)	Symposia on GMSI-related topics involving both GMSI program members and their domestic collaborators	5-10 per workshop	
	International Symposium	Prof. Yoshimura (Sys. Inn.) Prof. Takeda (Aero.) Prof. Ikuhara (Mater.)	Symposia on GMSI-related topics involving both GMSI program members and their international collaborators	5-10 per workshop	
	International Base Workshop	Each GMSI Member	Workshop on GMSI-related topics involving both GMSI program members and their international collaborators in international base	5-10 per workshop	
	Secondary Advisor System	Prof. Ishihara (Mech.)	Gives GMSI RAs the opportunity to obtain guidance and direction from a related faculty member in addition to their current advisor	5	