

Division	Requirement <small>This is provided for reference but is subject to the Program Planning Sheet. If you have any questions, refer to the PPS and request guidance from the Graduate Programs Manager, as needed.</small>	Subject	Catalog Nbr		Title	Notes
Systems	Core A <u>OR</u> Concentration B. Control Systems	ENGSE	501	F25	Dyn Sys Thry	Mts w/ENG EC501 Mts w/ENG ME501
Systems	Core A, Concentration B. Control Systems	ENGME	501	F25	Dynamic Systems Theory	
Systems	Core B <u>OR</u> Concentration E. Operations Research	ENGSE	524	F25	Optimize Theor	<b>Masters students only</b>
Systems	Core B <u>OR</u> Concentration E. Operations Research	ENGSE	674	F25	Opt Theory II	<b>PhD students only</b>
Systems	Core B, Concentration E. Operations Research	ENGEC	524	F25	Optimization Theory and Meth	ENG SE524
Systems	Core C	ENGKE	500	F25	Prob Stat Appli	
Systems	Concentration A. Computational and Systems Biol	ENGBE	505	F25	Molclr Bioeng 1	Mts w/ENG BE605
Systems	Concentration A. Computational and Systems Biol	ENGBE	562	F25	Comptnl Biology	
Systems	Concentration A. Computational and Systems Biol	ENGBE	562	F25	Comptnl Biology	
Systems	Concentration B. Control Systems <u>AND Practicum</u>	ENGME	560	F25	Mach Des&Instru	Mts w/ENG ME560
Systems	Concentration C. Energy and Environmental System	CASEC	571	F25	Energy and Environmental Economics	Listed as For Econ Masters students only
Systems	Concentration C. Energy and Environmental System	CASEC	572	F25	Public Control of Business	
Systems	Concentration C. Energy and Environmental System	CASEC	716	F25	Game Theory	
Systems	Concentration E. Operations Research	CASCS	542	F25	Machine Learning	Students registering for CAS CS542 must register for two sections: a Lec section, and a Lab section.
Systems	Concentration E. Operations Research	ENGEC	503	F25	Learnng Frm Data	WebReg Restricted
Systems	Concentration E. Operations Research	ENGEC	503	F25	Learnng Frm Data	
Systems	Concentration E. Operations Research	ENGEC	523	F25	Deep Learning	Meets w/ CS523
Systems	Concentration F. Production and Service Systems	ENGME	510	F25	Prod Sys Analys	Mts w/ENG ME510
Systems	Concentration F. Production and Service Systems	QSTOM	726	F25	Creating Value Through Operations and Technol	1) Register using a QST Cross Enrollment Form, <a href="https://questromworld.bu.edu/grad/forms/">https://questromworld.bu.edu/grad/forms/</a> (should be signed by the instructor of record and submitted to the noted QST office). 2) Register for ENG EK691 Career Lab (ENG offers this 1cr course for students taking QST courses, which are 3 credits).
Systems	Elective	CASCS	511	F25	Formal Methods	
Systems	Elective	ENGEC	504	F25	Adv Data Struct	
Systems	Elective <u>AND</u> Practicum	ENGEC	601	F25	Prod Des Ece	
Systems	Elective <u>AND</u> Practicum	ENGEC	601	F25	Prod Des Ece	
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Systems	Elective <u>AND</u> Practicum	ENGEC	601	F25	Prod Des Ece	
Systems	ENG MGT	ENGKE	690	F25	Career Lab	A 1cr course offered by ENG for ENG students enrolled in 3cr QST courses.
Systems	ENG MGT	ENGKE	690	F25	Career Lab	A 1cr course offered by ENG for ENG students enrolled in 3cr QST courses.
Systems	ENG MGT	ENGKE	731	F25	Bench-to-Bedside:Translating BME Innov from Lab to Marketplace	
Systems	ENG MGT	QSTMO	848	F25	The Leadership Challenge	1) Register using a QST Cross Enrollment Form, <a href="https://questromworld.bu.edu/grad/forms/">https://questromworld.bu.edu/grad/forms/</a> (should be signed by the instructor of record and submitted to the noted QST office). 2) Register for ENG EK691 Career Lab (ENG offers this 1cr course for students taking QST courses, which are 3 credits).
Systems	ENG MGT	QSTSI	839	F25	Design Thinking and Innovation	
Systems	Internship	ENGSE	810	F25	MS PhD Internship	WebReg Restricted, Permission Required. <b>Masters students:</b> Refer to "With Engineering Practice" section for required forms. <a href="https://www.bu.edu/eng/academics/resources/graduate-student-resources/grad-forms/">https://www.bu.edu/eng/academics/resources/graduate-student-resources/grad-forms/</a> <b>PhD students,</b> refer to PhD Handbook, "PhD Internship Experience" section for required forms.
Systems	Practicum	ENGBE	700	F25	AI Systems Bio	
Systems	Practicum	ENGEC	952	F25	Dir Group Proj	WebReg Restricted, Permission Required
Systems	Practicum	ENGEC	952	F25	Dir Group Proj	WebReg Restricted, Permission Required
Systems	Practicum	ENGEC	952	F25	Dir Group Proj	Permission Required
Systems	Practicum	ENGEC	952	F25	Dir Group Proj	WebReg Restricted, Permission Required
Systems	Practicum	ENGEC	952	F25	Dir Group Proj	WebReg Restricted, Permission Required
Systems	Masters Directed Study; Elective, Practicum	ENGSE	951	F25	Indep Study (MS, MEng Only)	WebReg Restricted, Permission Required. <b>Must submit:</b> <a href="https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf">https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf</a>
Systems	Masters Mentored Project; Elective, Practicum	ENGSE	952	F25	Mentored Proj (MS, MEng Only)	WebReg Restricted, Permission Required. <b>Must submit:</b> <a href="https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf">https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf</a>
Systems	Masters Thesis; Elective, Practicum	ENGSE	954	F25	MS Thesis (MS Thesis Only)	WebReg Restricted, Permission Required. <b>Refer to Masters Handbook</b> for required forms for Thesis Track.
Systems	PhD Dissertation	ENGSE	991	F25	Dissertation (PhD Only, Post-Prospectus)	PhD students only, register for PI's section. If first enrollment, <b>must submit to se@bu.edu:</b> <a href="https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf">https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf</a>
Systems	PhD Research	ENGSE	900	F25	Research (PhD Only, Pre-Prospectus)	PhD students only, register for PI's section. If first enrollment, <b>must submit to se@bu.edu:</b> <a href="https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf">https://www.bu.edu/eng/files/2022/09/Petition-Form-Directed-Study-Independent-Coursework.pdf</a>