

Certificate of Advanced Study: Enterprise Technology Leadership 2018-2019 Advising Check Sheet

The 15-credit CAS in Enterprise Technology Leadership (ETL) is an interdisciplinary program designed by key representatives of the School of Information Studies, the College of Engineering and Computer Science, and the Whitman School of Management. The curriculum includes a nine-credit primary core which exposes students to the three schools with three required courses, students choose two additional electives, or six credits, from one of the listed disciplinary areas that most aligns with their professional and academic interests. All credits earned are transferrable into a full-degree Master's program in each of the schools.

Primary Core: 9 credits

All students must take MBC 639 or MBC 645, and MAE 548 and IST 645

Class #	Course Title	Completed
MBC 639	Leadership in Organizations (Whitman) OR	
MBC 645	Strategic Management AND	
MAE 548	Engineering Economics & Technology Valuation (Engineering & Computer Science) AND	
IST 645	Managing Information Systems Projects (iSchool)	

Secondary Focus Areas: 6 credits

Students must choose two electives from one of the listed disciplinary areas below.

College of Engineering and Computer Science:

Electives from the disciplinary area of Electrical Engineering

Class #	Course Title	Completed
ELE 514	Electric Power Systems	
ELE 530	Electric Power Generation and Distribution	
ELE 590/690	Special Topics Courses (ie: Smart Grid Systems or Power Electronics)	

Electives from the disciplinary area of Civil/Environmental Engineering

Class #	Course Title	Completed
CIE 535	Structural Steel Design	
CIE 536	Pre-stressed Concrete Design	
CIE 551	Energy Conversion	
CIE 558	Solid Wastes: Collection and Disposal	

Electives from the disciplinary area of Mechanical Engineering

Class #	Course Title	Completed
MAE 536	Composite Materials	
MAE 551	Energy Conversion	
MAE 573	Application of Finite Element Analysis	
MAE 587	Design of Solar Element System	

School of Information Studies

Electives from the disciplinary area of Network Technology Management

Class #	Course Title	Completed
IST 618	Information Policy	
IST 623	Introduction to Information Security	
IST 634	Security in Networked Environments	
IST 648	Enterprise Wireless Network Technologies	

Electives from the disciplinary area of Information Management

Class #	Course Title	Completed
IST 625	Enterprise Risk Management	
IST 654	Information Systems Analysis	
IST 659	Data Administration Concepts and Database Management	
IST 726	Enterprise Architecture	

Whitman School of Management

Electives from the disciplinary area of Management in Business Administration

Class #	Course Title	Completed
ISM 615	Micro Economics	
MBC 631	Financial Accounting	
MBC 632	Managerial Accounting	
MBS 634	IT and E-Commerce	
MBC 635	Ops & SCM Management	
MBC 636	Marketing Management	
MBC 638	Data Analysis & Decision Making	
MBC 645	Strategic Management <i>(may not be counted as an elective if taken as part of the primary core)</i>	
SCM 755	Lean Six Sigma	

Earn Credit towards a Master's Degree

While the CAS in Enterprise Technology Leadership is primarily a standalone program, credits earned in the CAS can be used toward a master's degree in certain target degrees. You can incorporate CAS classes into select Syracuse University master's curriculums, which means you can graduate with a certified and highly marketable skill set without taking extra classes.

Targeted Degrees

- Business Administration, MBA
- Civil Engineering, MS
- Electrical Engineering, MS
- Enterprise Data Systems, MS
- Environmental Engineering, M.S.
- Information Management, MS
- Mechanical and Aerospace Engineering, MS