COLLEGE OF ENGINEERING

ONLINE GRADUATE COURSES: FALL 2020

UNIVERSITY of SOUTH FLORIDA

Master in Chemical Engineering (MSCH)

All courses offered asynchronously.

ECH 6931	Solar Energy & Apps	3 credits
ECH 6107	Molecular Thermodynamics	3 credits
ECH 6285	Advanced Transport Phenomena	3 credits
ECH 6840	Math Methods for Chem Eng	3 credits

PhD in Chemical Engineering (PhD)

All courses offered asynchronously.

ECH 6931	Solar Energy & Apps	3 credits
ECH 6107	Molecular Thermodynamics	3 credits
ECH 6285	Advanced Transport Phenomena	3 credits
ECH 6840	Math Methods for Chem Eng	3 credits

Master's in Civil Engineering (MSCE)

All courses offered asynchronously.

TTE 5205	Traffic Systems Engineering	3 credits
TTE 5501	Transport Planning / Economics	3 credits
EIN 5182	Principles of Engineering Management	3 credits

Master's in Environmental Engineering (MSEV)

All courses offered asynchronously.

TTE 5205	Traffic Systems Engineering	3 credits
TTE 5501	Transport Planning / Economics	3 credits
EIN 5182	Principles of Engineering Management	3 credits
ECH 6931	Solar Energy & Apps	3 credits

PhD in Civil Engineering (PhD-Civ)

All courses offered asynchronously.

TTE 5205	Traffic Systems Engineering	3 credits
TTE 5501	Transport Planning / Economics	3 credits
EIN 5182	Principles of Engineering Management	3 credits

COLLEGE OF ENGINEERING

ONLINE GRADUATE COURSES: FALL 2020

UNIVERSITY of SOUTH FLORIDA

PhD in Environmental Engineering (PhD-Env)

All courses offered asynchronously.

TTE 5205	Traffic Systems Engineering	3 credits
TTE 5501	Transport Planning / Economics	3 credits
EIN 5182	Principles of Engineering Management	3 credits
ECH 6931	Solar Energy & Apps	3 credits

Master of Science in Information Technology (MSIT)

All courses offered asynchronously.

CIS 6930	Human Computer Interface	3 credits
CIS 6930	Robotics Process Automation	3 credits

Masters of Science in Computer Science (MSCS)

All courses offered asynchronously.

EEL 6764	Princ of Computer Architecture	3 credits
COT 6405	Intro to Theory of Algorithms	3 credits
EEL 5771	Intro to Computer Graphics	3 credits

Masters of Science in Computer Engineering (MSCP)

All courses offered asynchronously.

EEL 6764	Princ of Computer Architecture	3 credits
COT 6405	Intro to Theory of Algorithms	3 credits
EEL 5771	Intro to Computer Graphics	3 credits

PhD in Computer Science and Engineering (PhD)

All courses offered asynchronously.

EEL 6764	Princ of Computer Architecture	3 credits
COT 6405	Intro to Theory of Algorithms	3 credits
EEL 5771	Intro to Computer Graphics	3 credits

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UNIVERSITY of SOUTH FLORIDA

Master of Science in Electrical Engineering (MSEE)

All courses offered asynchronously.

EEE 6542	Random Processes	2 credits
EEL 6029	Linear and Matrix Algebra	2 credits
EEL 6534	Digital Comm Systems	3 credits
EEL 5382	Physical Basis of Microelectronics	3 credits

PhD in Electrical Engineering (PhD)

All courses offered asynchronously.

EEE 6542	Random Processes	2 credits
EEL 6029	Linear and Matrix Algebra	2 credits
EEL 6935	Wireless Sensor Networks	3 credits
EEL 6593	Mobile Personal Communication	3 credits

Master of Science in Engineering Management (MSEM)

All courses offered asynchronously, except Cyber Analytics, which will be synchronous.

EIN 5182	Principles of Engineering Management	3 credits
EIN 6386	Management of Technology Change	3 credits
EIN 6934	Engineering Analytics I	3 credits
EIN 6935	Cyber Analytics	3 credits

Master of Science in Industrial Engineering (MSIE)

All courses offered asynchronously, except Cyber Analytics, which will be synchronous.

EIN 6934	Engineering Analytics I	3 credits
ESI 6247	Statistical Design Models	3 credits
EIN 6935	Cyber Analytics	3 credits
EIN 5182	Principles of Engineering Management	3 credits

PhD in Industrial Engineering (PhD)

All courses offered asynchronously, except Cyber Analytics, which will be synchronous.

ESI 6491	Linear Programming & Network Optimization	3 credits
ESI 6213	Stochastic Decision Models I	3 credits
EIN 6936	Markov Decision Processes	3 credits
EIN 6935	Cyber Analytics	3 credits

COLLEGE OF ENGINEERING

ONLINE GRADUATE COURSES: FALL 2020

UNIVERSITY of SOUTH FLORIDA

Master of Science in Mechanical Engineering (MSME)

All courses offered asynchronously, except Advanced Dynamics of Machinery and Advanced Manufacturing, which will be synchronous.

EML6273	Advanced Dynamics of Machinery	3 credits
EML6930	Advanced Manufacturing	3 credits
EML 6069	Advance Mathematics	3 credits
EML 6105	Advance Thermodynamics	3 credits

Doctor of Philosophy in Mechanical Engineering (PhD)

All courses offered asynchronously, except Advanced Dynamics of Machinery and Advanced Manufacturing, which will be synchronous.

EML6273	Advanced Dynamics of Machinery	3 credits
EML6930	Advanced Manufacturing	3 credits
EML 6069	Advance Mathematics	3 credits
EML 6105	Advance Thermodynamics	3 credits

Master's of Science in Biomedical Engineering (MSBE)

All courses offered asynchronously, except Biomedical Engineering, which will be synchronous.

BME 6000	Synchronous, taught in the morning: Biomedical Eng	3 credits
BME 6931	Intro to Medical Imaging	3 credits
GMS 6605	Basic Medical Anatomy	3 credits
PHC 6051	Biostatistics II	3 credits

PhD in Biomedical Engineering (PhD)

All courses offered asynchronously, except Biomedical Engineering, which will be synchronous.

BME 6000	Biomedical Eng	3 credits
BME 6931	Intro to Medical Imaging	3 credits
GMS 6605	Basic Medical Anatomy	3 credits
PHC 6051	Biostatistics II	3 credits

Master of Science in Materials Science and Engineering (MSMSE)

All courses offered asynchronously.

ECH 6107	Molecular Thermodynamics	3 credits
ECH 6107	Molecular Thermodynamics	3 credits
ECH 6840	Math Methods for Chem Eng	3 credits
EML6930	Advanced Manufacturing	3 credits