

**PETREE COLLEGE OF ARTS & SCIENCES**  
**Master of Science (M.S.) in Computer Science Degree**

<b>Core Courses (7 courses are required)</b>		<input checked="" type="checkbox"/>
CSCI 5003	Object-Oriented Programming	<input type="checkbox"/>
CSCI 5403	Software Engineering	<input type="checkbox"/>
CSCI 5413	Algorithm Design and Analysis	<input type="checkbox"/>
CSCI 5603	Database Design	<input type="checkbox"/>
CSCI 6583	Internship <i>OR</i>	<input type="checkbox"/>
CSCI 5983+	M.S. Degree Project <i>OR</i>	<input type="checkbox"/>
CSCI 6983+	M.S. Degree Research <i>OR</i>	<input type="checkbox"/>
CSCI xxx3	Two electives, outside of your chosen track, selected	<input type="checkbox"/>
CSCI xxx3	from the options below	<input type="checkbox"/>
<u>Total: 21 CHs.</u>		
<b>Choose one Track (4 required courses/track; 12 CHs)</b>		
<b>Cybersecurity</b>		
CSCI 6113	Cryptography	<input type="checkbox"/>
CSCI 6123	Cloud Security	<input type="checkbox"/>
CSCI 6133	Ethical Hacking	<input type="checkbox"/>
CSCI 6143	Secure Coding	<input type="checkbox"/>
<b>Data Science - M.L. &amp; A.I.</b>		
CSCI 6213	Data Science Fundamentals	<input type="checkbox"/>
CSCI 6223	Practical Data Science	<input type="checkbox"/>
CSCI 6233	Machine Learning	<input type="checkbox"/>
CSCI 6243	Artificial Intelligence	<input type="checkbox"/>
<b>Web Development</b>		
CSCI 6313	HTML/CSS/JavaScript	<input type="checkbox"/>
CSCI 6323	Server Web Development	<input type="checkbox"/>
CSCI 6333	Frontend Web Development	<input type="checkbox"/>
CSCI 6343	Cloud Development	<input type="checkbox"/>

\_\_\_\_\_ MM DD YYYY  
 Advisor Signature

\_\_\_\_\_ MM DD YYYY  
 Student Signature

\* Specific course offerings may vary dependent upon enrollment and faculty availability.  
 \*\* Field Study credit must be pre-approved by CSCI Director, prior to admission