

**Naval Postgraduate School Cyber Academic Group**  
**Graduation Checklist for MS Applied Cyber Operations (MACO) Degree**  
(Effective for students commencing in Fall AY13 or later)

Name/Rank/Service: \_\_\_\_\_  
Month/Year Enrolled: \_\_\_\_\_  
Projected Graduation Date: \_\_\_\_\_

**1. Master's Capstone: Capstone proposal is to be approved by end of the 2<sup>nd</sup> academic quarter.**

Title: \_\_\_\_\_  
\_\_\_\_\_  
Advisor(s): \_\_\_\_\_  
Second Reader: \_\_\_\_\_

**2. Core Courses: All of the following courses must be completed or validated to graduate:**

<u>Completed</u>		<u>Planned Qtr</u>
___	CY3000 Introduction to Cyber Systems and Operations (3-0)	_____
___	CY3300 Cyber Communications Architectures (4-0)	_____
___	CS3600 Introduction to Computer Security (4-2)	_____
___	CY4600 Network Operations in a Contested Environment (3-2)	_____
___	CY4700 or CY4710 Cyber Wargame: Blue or Red Force (2-5)	_____

**3. Curriculum Requirements: All of the following courses are part of the sponsor-approved curriculum and must be completed or validated by all USN students. Non-USN students are required to complete these courses unless directed by their sponsoring service or agency:**

<u>Completed</u>		<u>Planned Qtr</u>
___	CS3030 Fundamentals of Computer Architecture and OSs (4-0)	_____
___	CY3100 Introduction to Communications Networks (4-1)	_____
___	CY3110 Internet Protocols (3-1)	_____
___	IS3502 Network Operations I (3-1)	_____
___	CY3602 Network Operations II (3-2)	_____
___	CS3690 Network Security (4-1)	_____
___	CY4410 Cyber Policy and Strategy (3-0)	_____
___	CY4900 Research Topics in Cyber Systems and Operations (1-0)	_____
___	CY4910 Cyber Systems and Operations Research Methods (1-0)	_____

NPS Graduation Checklist for MSCS Degree (24-month)

**4. Specialization Track Requirements:** *All MACO students must complete one of the following Specialization Tracks.*

- **Network Operations (NetOps) Specialization (required for USN enlisted cyber education program participants):**

<u>Completed</u>	<u>Planned Qtr</u>
___ CS3670 Secure Management of Systems (3-2)	_____
___ CS3695 Vulnerability Assment and Risk Mitigation (3-2)	_____

- **Defense Specialization:**

<u>Completed</u>	<u>Planned Qtr</u>
___ CS4677 Computer Forensics (3-2)	_____
___ CS4684 Cyber Security Incident Response and Recovery (3-2)	_____

- **Adversarial Techniques Specialization:**

<u>Completed</u>	<u>Planned Qtr</u>
___ CS4648 Advanced Cyber Munitions (3-2)	_____
___ CS4678 Advanced Cyber Vulnerability Analysis (4-2)	_____

**5. Upper-Level Graduate Hours:** *All MACO students, regardless of sponsorship, must complete no fewer than 12 quarter hours of 4000-level coursework (do not relist courses identified in sections 2 through 4):*

<i>Course Nbr</i>	<i>Title</i>	<i>Hours</i>	<i>Completed</i>	<i>Planned</i>

NPS Graduation Checklist for MSCS Degree (24-month)

**6. Graduate Hours:** *All MASO students, regardless of sponsorship, must complete no fewer than 40 quarter hours of graduate-level coursework (do not relist courses identified in sections 2 through 5):*

<i>Course Nbr</i>	<i>Title</i>	<i>Hours</i>	<i>Completed</i>	<i>Planned</i>

**7. Student Certification:** I certify the information contained on this form is correct.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_