NPS Master Curriculum Chart

School / Curriculum / Degree	Length	Convenes	PCI	Refresher	APC	JPME	Dept	Department Chair	Academic Associate	Program Officer	Ph D. Committee Chair	F_Codes
School of International Graduate Studies - Dean James J Wirtz												
240 - International Defense Planning Certificate (IDP)												
CERT OF COMPL-International Defense Planning	3	Fall	5238				NSA	James C. Moltz	Thomas G. Young	Paul E. Rasmussen		2000L
246 - Regional Security Studies (Middle East, South Asia, & Sub-Saharan Africa)												
CERT OF COMPL-Regional Security Studies (Middle East, South Asia, and Sub-Sahara	9	Fall / Winter / Spring / Summer	5238				NSA	James C. Moltz	Emily L. Meierding	Paul E. Rasmussen		2101L
247 - Regional Security Studies (Far East, Southeast Asia, and the Pacific)												
CERT OF COMPL-Regional Security Studies (East and Southeast Asia)	9	Fall / Winter / Spring / Summer	5238				NSA	James C. Moltz	Michael A. Glosny	Paul E. Rasmussen		2102L
248 - Regional Security Studies (Europe & Eurasia)												
CERT OF COMPL-Regional Security Studies (Western Hemisphere)	9	Fall / Winter / Spring / Summer	5238				NSA	James C. Moltz	Christopher N. Darnton	Paul E. Rasmussen		2103L
249 - Regional Security Studies (Europe & Eurasia)												
CERT OF COMPL-Regional Security Studies (Europe and Eurasia)	9	Fall / Winter / Spring / Summer	5238				NSA	James C. Moltz	Christopher N. Darnton	Paul E. Rasmussen		2104L
250 - Intelligence Operations Certificate												
CERT OF COMPL-Intelligence Operations	18	Fall / Winter / Spring / Summer	5238				NSA	James C. Moltz	Christopher E. Bono	Paul E. Rasmussen		2105L
251 - Homeland Security and Defense Certificate (Res)												
CERT OF COMPL-Homeland Security and Defense (Resident)	15	Fall / Winter / Spring / Summer	5238				NSA	James C. Moltz	Carolyn C. Halladay	Paul E. Rasmussen		2805L
261 - Middle East, South Asia, Sub-Saharan Africa												
MA Security Studies (Middle East, South Asia, Sub-Saharan Africa)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Emily L. Meierding	Paul E. Rasmussen		2101P
692 - Security Studies (Far East, Southeast Asia, the Pacific)												
MA Security Studies (Far East, Southeast Asia, the Pacific)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Michael A. Glosny	Paul E. Rasmussen		2102P
693 - Western Hemisphere												
MA Security Studies (Western Hemisphere)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Christopher N. Darnton	Paul E. Rasmussen		2103P
694 - Europe and Eurasia												
MA Security Studies (Europe and Eurasia)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Christopher N. Darnton	Paul E. Rasmussen		2104P
695 - Security Studies (Civil-Military Relations)												
MA Security Studies (Civil-Military Relations)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Carolyn C. Halladay	Paul E. Rasmussen		2805P
698 - Strategic Studies												
MA Strategic Studies	15	Fall / Winter / Spring / Summer	5238		265	JPME	NSA	James C. Moltz	Emily L. Meierding	Paul E. Rasmussen		2301P
891 - Homeland Security and Defense												
MA Security Studies (Homeland Security and Defense)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Carolyn C. Halladay	Paul E. Rasmussen		2805P
692 - Security Studies (Homeland, Control, and Communications)												
MA Security Studies (Homeland, Control, and Communications)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Christopher E. Bono	Paul E. Rasmussen		2105P
693 - Combating Terrorism: Policy and Strategy												
MA Security Studies (Combating Terrorism: Policy and Strategy)	15	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Carolyn C. Halladay	Paul E. Rasmussen		2805L
694 - Security Studies (PKO)												
MA Security Studies	36	Fall / Winter / Spring / Summer	5238		0		NSA	James C. Moltz	Christopher N. Darnton	Paul E. Rasmussen	Christopher N. Darnton	2000D
695 - Security Studies (Homeland, Control, and Communications)												
MS Strategy (Nuclear Command, Control, and Communications)	18	Fall / Winter / Spring / Summer	5238		265		NSA	James C. Moltz	Emily L. Meierding	Paul E. Rasmussen		2105P
698 - Strategic Studies (Space Operations)												
MA Strategic Studies (Space Operations)	12	Fall / Spring	5238		244		NSA	James C. Moltz	Emily L. Meierding	Paul E. Rasmussen		2301P
Provost Oversight - Dean Steven R. Lerman												
234 - Defense Energy Certificate												
CERT OF COMPL-Defense Energy	12	Fall / Winter / Spring / Summer	5269				EAO	Daniel A. Nussbaum	Kevin J. Maher	Kevin J. Maher		3000L
235 - Energy Certificate (DL)												
CERT OF COMPL-Energy	12	Spring	5269				EAO	Daniel A. Nussbaum	Kevin J. Maher	Kevin J. Maher		3000L
236 - Energy Systems Engineering												
MS Systems Engineering	24	Summer	5266		334	JPME	SE/OR	Matthew S. Boremel	Richard E. Rowell	Christopher M. Shull		6503P
MS Systems Engineering Analysis		Summer					SE/OR	Matthew S. Boremel	Mark Stevens	Christopher M. Shull		6503P, 6501P

Graduate School of Operational and Information Sciences - Dean Dan C. Boger												
176 - Federal/DoD Identity Management Professional Certificate												
CERT OF COMPL-Identity Management	9	Fall / Winter / Spring / Summer	5232				CS	Gurminder Singh	Alan B. Shaffer	Michael K. Kolb		6203K
178 - Courses in Computer Science												
NONE Not Applicable	0	Fall / Winter / Spring / Summer	5232				ComSci	Pat M. Anderson	Alan B. Shaffer	Cecelia M. Davis		None
208 - Applied Cyber Operations (Res)												
CERT OF COMPL-Applied Cyber Operations	9	Fall / Spring	5232				IS	Thomas J. Housel	Duane T. Davis	Larisa D. Ivanova		6206L
209 - Applied Cyber Operations (DL)												
CERT OF COMPL-Applied Cyber Operations	9	Fall / Spring	5232				IS	Thomas J. Housel	Duane T. Davis	Eric T. Regnier		6206L
227 - Cyber Operations Infrastructure												
CERT OF COMPL-Cyber Operations Infrastructure	9	Winter / Summer	5232				CAG	Cynthia E. Irvine	Duane T. Davis	[Unassigned]		6206L
228 - Cyber Operations Infrastructure (DL)												
CERT OF COMPL-Cyber Operations Infrastructure	9	Winter / Summer	5232				CAG	Cynthia E. Irvine	Duane T. Davis	[Unassigned]		6206L
236 - Social Network Analysis, Research, and Practice Certificate												
CERT OF COMPL-Social Network Analysis, Research, and Practice	18	Fall / Winter / Spring / Summer	5261				DA	Kalev I. Sepp	Matthew R. Zefferman	David L. Hsieh		None
240 - Healthcare Modeling & Simulation Certificate (DL)												
CERT OF COMPL-Healthcare Modeling & Simulation	12	Summer	5232				CS	Gurminder Singh	Rudolph P. Darken	Eric T. Regnier		None
241 - Cyber Systems and Operations Certificate												
CERT OF COMPL-Cyber Systems and Operations	12	Fall / Winter / Spring / Summer	5232				CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
CERT OF COMPL-Cyber Security Fundamentals		Fall / Winter / Spring / Summer					CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
257 - Cyber Security Fundamentals												
CERT OF COMPL-Cyber Security Fundamentals	6	Fall / Winter / Spring / Summer	5232				CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
CERT OF COMPL-Cyber Security Fundamentals		Fall / Winter / Spring / Summer					CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
258 - Cyber Security Defense												
CERT OF COMPL-Cyber Security Defense	6	Fall / Winter / Spring / Summer	5232				CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
CERT OF COMPL-Cyber Security Defense		Fall / Winter / Spring / Summer					CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
259 - Cyber Security Advanced Techniques												
CERT OF COMPL-Cyber Security Advanced Techniques	6	Fall / Winter / Spring / Summer	5232				CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
CERT OF COMPL-Cyber Security Advanced Techniques		Fall / Winter / Spring / Summer					CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
260 - Human Factors in Cyber Security												
CERT OF COMPL-Human Factors in Cyber Security	12	Fall	5261				HFAC	W.M. Carlyle	Steven E. Pinch	Lawrence G. Shattuck		4602L
266 - Data Science (DL)												
MS Data Science	12	Winter / Summer	5232				CS	Gurminder Singh	Robert F. Dell	Kevin J. Maher		None
268 - Info Systems Security Engineering Cert (Res & DL)												
CERT OF COMPL-Information Systems Security Engineering	12	Fall / Winter / Spring / Summer	5232				CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
272 - Information Systems & Technology Graduate Certificate (DL)												
CERT OF COMPL-Network Operations and Cybersecurity	12	Fall / Winter / Spring / Summer	5232				IS	Thomas J. Housel	Steven J. Iatrou	Steven J. Iatrou		6203L
CERT OF COMPL-Network Operations and Technology (Combined)		Fall / Winter / Spring / Summer					IS	Thomas J. Housel	Steven J. Iatrou	Steven J. Iatrou		6203L
273 - Information Systems & Technology Graduate Certificate												
CERT OF COMPL-Information Systems Technology	12	Fall / Winter / Spring / Summer	5232		0		IS	Thomas J. Housel	Steven J. Iatrou	Steven J. Iatrou		6203L, 6201L
CERT OF COMPL-Network Operations and Technology (Technology)		Fall / Winter / Spring / Summer	5232				IS	Thomas J. Housel	Steven J. Iatrou	Steven J. Iatrou		6203L, 6201L
276 - Information Systems & Technology Systems Track Cert (DL)												
NONE Not Applicable	9	Fall / Winter / Spring / Summer	5232				IS	Thomas J. Housel	Steven J. Iatrou	Steven J. Iatrou		None
277 - Knowledge Superiority (KS) Certificate (DL)												
CERT OF COMPL-Knowledge Superiority	12	Fall / Winter / Spring / Summer	5232				IS	Thomas J. Housel	Mark E. Nissen	Mark E. Nissen		6201L
278 - Federal/DoD Identity Management Certificate (Hybrid)												
CERT OF COMPL-Federal/DoD Identity Management	6	Fall / Winter / Spring / Summer	5232				CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203L
281 - Operations Research												
CERT OF COMPL-Systems Analysis	12	Fall / Spring	5261		335		OR	W.M. Carlyle	Steven E. Pinch	David S. Cochran		3215L
282 - Cost Estimating and Analysis Certificate (DL)												
CERT OF COMPL-Cost Estimating and Analysis	12	Summer	5261				OR	W.M. Carlyle	Kevin J. Maher	Kevin J. Maher		3302L
CERT OF COMPL-Cost Estimating and Analysis		Summer					OR	W.M. Carlyle	Lawrence G. Shattuck	Kevin J. Maher		3302L
306 - Cyber Systems and Operations												
MS Computer Science	24	Winter / Summer	5232		334	JPME	IS	Thomas J. Housel	Duane T. Davis	Eric T. Regnier		6206P
MS Cyber Systems and Operations		Winter / Summer					CS	Gurminder Singh	Duane T. Davis	Eric T. Regnier		6206P
MS Cyber Operations		Winter / Summer					ECE	Douglas J. Fouts	Duane T. Davis	Eric T. Regnier		6206P
MS Engineering Science		Winter / Summer					ECE	Douglas J. Fouts	Duane T. Davis	Eric T. Regnier		6206P
307 - Information Systems & Technology												
MS Electrical Engineering	27	Summer	5232		344		IS	Thomas J. Housel	Duane T. Davis	Eric T. Regnier		None
MS Computer Science		Summer					IS	Thomas J. Housel	Duane T. Davis	Eric T. Regnier		None
MS Engineering Science		Summer					IS	Thomas J. Housel	Duane T. Davis	Eric T. Regnier		None
MS Electrical Engineering		Summer					IS	Thomas J. Housel	Duane T. Davis	Eric T. Regnier		None
336 - Applied Cyber Operations												
MS Applied Cyber Operations	12	Fall / Spring	5232		344		IS	Thomas J. Housel	Alan B. Shaffer	Eric T. Regnier		6203P, None
340 - Applied Modeling and Simulation in Healthcare (DL)												
MS Modeling, Virtual Environments, and Simulation	36	Summer	5232		325		CS	Gurminder Singh	Rudolph P. Darken	Eric T. Regnier		None
355 - Operational Warfare Analysis												
MS Operations Research	24	Spring	5261		325	JPME	OR	W.M. Carlyle	David L. Alderson	David S. Cochran		3214PP
356 - Information Systems & Operations												
MS Information Systems and Operations	18	Fall	5237		334	JPME	IS	Thomas J. Housel	Steven J. Iatrou	[Unassigned]		6100P
357 - Computer Technology (DL)												
MS Computer Technology	48	Winter / Summer	5232		325		CS	Gurminder Singh	Alan B. Shaffer	Lionel E. Pellizzi		None
358 - Operations Research												
MS Operations Research	24	Fall	5261		325	JPME	OR	W.M. Carlyle	Steven E. Pinch	Nicholas Dew		3215P
359 - Human Systems Integration (HSI)												
MS Human Systems Integration	24	Fall	5261		345		OR	W.M. Carlyle	Lawrence G. Shattuck	Lawrence G. Shattuck		None
360 - Operations Analysis												
MS Applied Science (Operations Research)	24	Fall / Spring	5261	12 / 24	335	JPME	OR	W.M. Carlyle	David L. Alderson	David S. Cochran		3215, 3211P,
MS Operations Research		Fall / Spring	5261	12 / 24	335	JPME	OR	W.M. Carlyle	David L. Alderson	David S. Cochran		3215, 3211P
361 - Operations Research Logistics Analysis												
MS Operations Research	24	Fall / Spring	5261	12 / 24	335	JPME	OR	W.M. Carlyle	Steven E. Pinch	Nicholas Dew		3212P
362 - Operations Research Warfare												
MS Operations Research	24	Fall / Spring	5261	12 / 24	335	JPME	OR	W.M. Carlyle	Steven E. Pinch	Nicholas Dew		4602P
363 - Systems Analysis (DL)												
MS Systems Analysis	24	Fall / Spring	5261		335		OR	W.M. Carlyle	Steven E. Pinch	David S. Cochran		3215P
365 - Joint Cost, Econ, Command (CoE) Sys												
MS Systems Technology (Command, Control, and Communications)	24	Summer	5239		334		IS	Thomas J. Housel	Steven J. Iatrou	Christopher M. Shull		None
366 - Cyber Systems												
MS Computer Science	24	Fall / Spring	5232	12	322	JPME	CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203P
369 - Software Engineering (Resident) (DL)												
MS Computer Science	18	Fall / Winter / Spring / Summer	5232		325		CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203P
370 - Information Systems & Technology												
MS Computer Science	24	Fall	5232		325		IS	Thomas J. Housel	Glenn R. Cook	Christopher M. Shull		None
376 - Computer Science (DL)												
MS Computer Science	18	Fall / Winter / Spring / Summer	5232		322	JPME	CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier		6203P, None
377 - Identity Management and Cyber Security (DL)												
MS Identity Management and Cyber Security	18	Fall	5232		344		CS	Gurminder Singh	Paul C. Clark	Eric T. Regnier		None
378 - Identity Management and Cyber Security												
MS Identity Management and Cyber Security	12	Fall	5232		344		CS	Gurminder Singh	Paul C. Clark	Eric T. Regnier		None
379 - Cost Estimating and Analysis (DL)												
MS Cost Estimating and Analysis	24	Spring	5261		255		OR	W.M. Carlyle	Kevin J. Maher	Kevin J. Maher		None
MS Cost Estimating and Analysis		Spring					OR	W.M. Carlyle	Lawrence G. Shattuck	Kevin J. Maher		None
392 - Operations Analysis (PSI)												
MS Applied Science (Operations Research)	36	Fall / Spring	5261	12 / 24	335	JPME	OR	W.M. Carlyle	Michael P. Atkinson	David S. Cochran	W.M. Carlyle	3211D
394 - Computer Science (PSI)												
PhD Computer Science	36	Fall / Winter / Spring / Summer	5232	12	323	JPME	CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier	Dennis M. Volpano	6203D
395 - Modeling, Virtual Environments, and Simulation												
PhD Defense Engineering	36	Fall / Winter / Spring / Summer	5232	12	322	JPME	CS	Gurminder Singh	Alan B. Shaffer	Eric T. Regnier	Neil C. Rowe	6203D
396 - Network Operations and Technology												
PhD Information Systems and Technology	21	Fall	5232		334	JPME	IS	Thomas J. Housel	Glenn R. Cook	Christopher M. Shull		6206D
397 - Modeling, Virtual Environments, and Simulation												
PhD Modeling, Virtual Environments, and Simulation	36	Fall	5232		325	JPME	CS	Gurminder Singh	Christian J. Darken	Eric T. Regnier	Donald P. Brutzman	6202D
398 - Modeling, Virtual Environments, and Simulation												
MS Modeling, Virtual Environments, and Simulation	24	Summer	5232		325	JPME	CS	Gurminder Singh	Christian J. Darken	Eric T. Regnier		6202P
473 - Information Sciences (PhD) (Hybrid)												
PhD Information Sciences	36	Fall / Winter / Spring / Summer	5232		0		IS	Thomas J. Housel	Alex Bordetsky	Dan C. Boger	Alex Bordetsky	6201D
474 - Information Sciences (PhD)												
PhD Information Sciences	36	Fall / Winter / Spring / Summer	5232		0		IS	Thomas J. Housel	Alex Bordetsky	Christopher M. Shull	Alex Bordetsky	6201D
475 - Cyber Warfare												
MS Security Intelligence	12	Fall	5232		334		IS	Thomas J. Housel	Duane T. Davis	Christopher M. Shull		None
476 - Information Warfare Systems Engineering												
MS Information Warfare Systems Engineering	24	Summer	5237		324		IS	Thomas J. Housel	Steven J. Iatrou	Christopher M. Shull		None
477 - Cost Estimating and Analysis												
MS Cost Estimating and Analysis	18	Winter / Summer	5261		255		OR	Carlos Sapp	Thomas E. Hansen	Kevin J. Maher		None
699 - Special Operations												
MA Special Operations (Mathematics)	18	Winter / Summer	5207		265	JPME	DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (CAS: Command & Control)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (CAS: Communications)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (Information Operations)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (Information Operations)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (Irregular Warfare)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (Special Operations)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (Terrorism Analysis)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (Tactical Modules)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis (Terrorism Analysis & Financing)		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P
MS Defense Analysis		Winter / Summer					DA	Kalev I. Sepp	Robert E. Burks	David L. Hsieh		2950P

Graduate School of Engineering and Applied Sciences - Dean Clyde L. Scandrett												
111 - Math Refresher Course												
CERT OF COMPL-Math Refresher	3	Fall / Winter / Spring / Summer	5273				ComSci	Pat M. Anderson	[Unassigned]	[Unassigned]		4103K
180 - Courses in Electrical Engineering												
NONE Not Applicable	0	Fall / Winter / Spring / Summer	5273				ComSci	Pat M. Anderson	Monique P. Fargues	Clay C. Herring		None
181 - Network Science Certificate												
CERT OF COMPL-Network Science	12		5273				MA	Wei Kang	Roberto Cristi	Clay C. Herring		4103L
223 - Nano-Scale Power Electronics												
CERT OF COMPL-Nano-Scale Power School	6	Fall / Winter / Spring / Summer	5274				MAE	Garth V. Hobson	Joshua H. Gordis	[Unassigned]		None
224 - Directed Energy Systems												
CERT OF COMPL-Directed Energy Systems	12	Summer	5274				MAE	Garth V. Hobson	Brian S. Bingham	Richard K. Ahrabge		None
234 - Robotics Engineering Certificate (RES)												
CERT OF COMPL-Robotics Engineering	12		5272				PH	Kevin B. Smith	Brian S. Bingham	Richard K. Ahrabge		None
235 - Lead Systems Integrator (LSI)												
CERT OF COMPL-Lead Systems Integrator	12		5276				SE	Ronald E. Giachetti	Warren Vanannan	Ronald R. Carlson		None
233 - Combat Systems Control and Engineering Certificate												
CERT OF COMPL-Combat Systems Control and Engineering	12	Fall / Spring	5272				PH	Kevin B. Smith	Christopher G. Snobles	Richard K. Ahrabge		None
239 - Combat Systems Science and Engineering Certificate (DL)												
CERT OF COMPL-Combat Systems Science and Engineering	12	Fall / Spring	5272				PH	Kevin B. Smith	Kevin B. Smith	Richard K. Ahrabge		None
241 - Robotics & Autonomous Systems Engineering (RASE) (DL)												
CERT OF COMPL-Robotics & Maintainability Engineering (RASE)	12	Fall	5276	6 /			SE	Ronald E. Giachetti	Bryan M. O'Halloran	Walter E. Owen		None
242 - Space Systems Design												
CERT OF COMPL-Space Systems Design	12	Winter	5271				SP	James H. Newman	Stephen H. Tackett	Richard K. Ahrabge		None
246 - Certificate in Meteorology												
CERT OF COMPL-Meteorology	12	Winter / Summer	5275				MR	Wendell A. Nuss	Wendell A. Nuss	Ana L. Terpstra		None
247 - Modeling and Simulation Management Cert (Res & DL)												
CERT OF COMPL-Modeling and Simulation Management	12	Fall / Spring	5276		333		SE	Ronald E. Giachetti	Eugene F. Paulo	Mark M. Rhoades		6200L
256 - Space Control and Engineering Certificate (DL)												
CERT OF COMPL-Space Control and Engineering	12		5271				SP	James H. Newman	Stephen H. Tackett	Richard K. Ahrabge		None
CERT OF COMPL-Space Systems Engineering							SP	James H. Newman	Stephen H. Tackett	Richard K. Ahrabge		None
272 - Space Systems Fundamentals Certificate (DL)												
CERT OF COMPL-Space Systems Fundamentals	12	Fall / Spring	5271				SP	James H. Newman	Stephen H. Tackett	Richard K. Ahrabge		None
273 - Space Systems Engineering Certificate (DL)												
CERT OF COMPL-A200	15	Spring	5275				USNAO	Andrea Lanoza	Roberto Cristi	Ana L. Terpstra		8301L
282 - Meteorology												
MS Meteorology	12	Fall	5271				MR	Carlyle H. Wash	Wendell A. Nuss	Ana L. Terpstra		4202D
283 - Mathematics of Secure Communication Cert (Resident)												
CERT OF COMPL-Mathematics of Secure Communication	12	Fall	5273				MA	Wei Kang	Parteleimon Stanica	Clay C. Herring		4103L
284 - Systems Engineering Certificate (Res & DL)												
CERT OF COMPL-Systems Engineering	12	Fall / Spring	5276				SE	Ronald E. Giachetti	Clifford A. Whitcomb	Walter E. Owen		5800L
293 - Scientific Computation												
CERT OF COMPL-Scientific Computation	12	Fall / Spring	5273				MA	Wei Kang	Roberto Cristi	Clay C. Herring		4103L
294 - Guidance, Navigation & Control Syst Cert (Res & DL)												
CERT OF COMPL-Guidance, Navigation & Control Systems	12	Winter	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5304L
295 - High Performance Computer Architecture Certificate (Res & DL)												
CERT OF COMPL-High Performance Computer Architecture	9	Spring	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5306L
296 - Signal Processing Certificate (Res & DL)												
CERT OF COMPL-Signal Processing	9	Fall / Spring	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5302L
297 - Cyber Warfare (Res & DL)												
CERT OF COMPL-Cyber Warfare	9	Spring	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5313L
298 - Digital Communications (Res & DL)												
CERT OF COMPL-Digital Communications	12	Fall / Winter / Spring / Summer	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5306L
299 - Electronic Warfare Systems (Res & DL)												
CERT OF COMPL-Electronic Warfare Systems	12	Fall / Winter / Spring / Summer	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5313L
300 - Sensor Signal Processing Certificate (Res & DL)												
CERT OF COMPL-Sensor Signal Processing	12	Fall / Winter / Spring / Summer	5273				ECE	Douglas J. Fouts	David C. Jenn	Clay C. Herring		5315L
301 - Sensor EW Engineer Certificate (Res & DL)												
CERT OF COMPL-Sensor EW Engineer	12	Fall / Winter / Spring / Summer	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5313L
302 - Network Engineering Certificate (Res & DL)												
CERT OF COMPL-Network Engineering	12	Fall / Winter / Spring / Summer	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5313L
303 - Cyber Security Certificate (Res & DL)												
CERT OF COMPL-Cyber Systems	12	Fall	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5313L
307 - Wireless Network Security (Res & DL)												
CERT OF COMPL-Wireless Network Security	12	Fall	5273				ECE	Douglas J. Fouts	Monique P. Fargues	Clay C. Herring		5313L
309 - Space Nuclear Command, Control & Communications Certificate (DL)												
CERT OF COMPL-Space Nuclear Command, Control & Communications	12	Fall / Spring	5271				SP	James H. Newman	Stephen H. Tackett	Richard K. Ahrabge		None,
320 - Applied Trajectory Optimization												
CERT OF COMPL-Applied Trajectory Optimization	12	Spring / Summer	5271				SP	James H. Newman	Stephen H. Tackett	Richard K. Ahrabge		None
331 - Systems Engineering (DL)												
MS Systems Engineering	24	Fall / Winter / Spring / Summer	5276		323		SE	Ronald E. Giachetti	Raymond J. Madachy	Brigitte T. Kerim		5850P
MS Systems Engineering Management		Fall / Winter / Spring / Summer	5276				SE	Ronald E. Giachetti	Raymond J. Madachy	Brigitte T. Kerim		5850P
MS Engineering Science		Fall / Winter / Spring / Summer					SE	Ronald E. Giachetti	Raymond J. Madachy	Brigitte T. Kerim		5850P
332 - Space Systems Engineering (DL)												
MS Space Systems Operations	24	Fall	5276		334		SE	Ronald E. Giachetti	Walter E. Owen	Ronald R. Carlson		5804P
MS Space Systems Engineering		Fall	5276				SE	Ronald E. Giachetti	Walter E. Owen	Ronald R. Carlson		5804P
354 - Space Systems Operations (PSI)												
MS Space Systems Operations	24	Fall	5270		324		SP	James H. Newman	Stephen H. Tackett	Richard K. Ahrabge		6206D
355 - Space Systems Operations (International)												
MS Space Systems Operations	18	Fall	5270	12	324		SP	James H. Newman	Stephen H