

COMPLETION VERIFICATION							
	COURSE #	CREDITS			COURSE NAME	TERM / COURSE SUB / VALIDATION	NOTES
		MATH SCIENCE	ENGINEERING	GENERAL EDUCATION			
SEMESTER 1	CH101	4.0			GENERAL CHEMISTRY I	17-1	Or CH151
	EN101			3.0	COMPOSITION	17-1	
	HI10x			3.0	US HISTORY/REGIONAL STUDIES IN WORLD HISTORY	17-1 / HI108L	
	IT105		2.0	1.0	INTRO TO COMPUTING	17-2	
	MA103	4.5			MATHEMATICAL MODELING / INTRO CALC	17-1	Or MA153
	MD101			0.0	4TH CLASS MILITARY PERFORMANCE I	17-1	
	PE116			0.5	BOXING	17-1	
SEMESTER 2	CH102	4.0			GENERAL CHEMISTRY II	18-1	
	EN102			3.0	LITERATURE	17-2	
	HI10x			3.0	US HISTORY/REGIONAL STUDIES IN WORLD HISTORY	17-2 / HI105	
	MA104	4.5			CALCULUS I	Validation	
	MD102			0.0	4TH CLASS MILITARY PERFORMANCE II	17-2	
	MS100			1.5	INTRODUCTION TO WARFIGHTING	17-2	
	PE117			0.5	MIL MOVEMENT	17-1	
	PL100			3.0	GENERAL PSYCHOLOGY FOR LEADERS	17-1	Or PL150
SEMESTER 3	Lx203			4.0	FOREIGN LANGUAGE I	18-1 / LS371	Or higher Lx3xx
	MA205	4.5			CALCULUS II	17-2 / MA255	Or 4.5 MA if MA255
	MD201			0.0	3RD CLASS MILITARY PERFORMANCE I	18-1	
	MS200			1.5	FUNDAMENTALS OF SMALL UNIT OPS	18-2	
	PE215			1.5	PERSONAL FITNESS	18-2	
	PH205	4.0			PHYSICS I	17-2 / PH255	Or PH255
	PY201			3.0	PHILOSOPHY & ETHICAL REASONING	18-1 / PY251	Or PY251
	SS201			3.0	ECONOMICS-PRINCIPLES/PROBLEMS	18-1 / SS251	Or SS251
SEMESTER 4	CH362		3.5		MASS & ENERGY BALANCES	18-2	
	EV203	2.5		0.5	PHYSICAL GEOGRAPHY	18-2 / EV203X	
	Lx204			3.0	FOREIGN LANGUAGE II	18-2 / LS372	Or higher Lx3xx
	MA364	3.0			ENGINEERING MATHEMATICS	18-2 / MA365	Or MA365 if MA255 taken
	MD202			0.0	3RD CLASS MILITARY PERFORMANCE II	18-2	
	PE32x			0.5	SURVIVAL SWIMMING	18-2 / PE321	
	PH206	4.0			PHYSICS II	18-1 / PH256	Or PH256 Advanced
	SS202			3.0	AMERICAN POLITICS	18-2	Or SS252
SEMESTER 5	CH363		3.5		SEPARATION PROCESSES	19-1	
	CH383	3.5			ORGANIC CHEMISTRY I	19-1	
	EE301		3.5		FUND OF ELECTRICAL ENGINEERING	19-1	
	MA206	3.0			PROBABILITY AND STATISTICS	18-1 / MA206X	Or MA256
	MC311		3.5		THERMAL-FLUID SYSTEMS I	19-1	
	MD301			0.0	2ND CLASS MILITARY PERFORMANCE I	19-1	
	PE2xx			0.5	LIFETIME PHYSICAL ACTIVITY	19-2 / PE246	
	PL300			3.0	MILITARY LEADERSHIP	19-2	Or PL350
SEMESTER 6	CH364		3.5		CHEMICAL REACTION ENGINEERING	19-2	
	CH367		3.0		AUTOMATIC PROCESS CONTROL	19-2	
	MC300		3.0		FUND OF ENG MECH AND DESIGN	20-1	
	MC312		3.0		THERMAL-FLUID SYSTEMS II	19-2	
	MD302			0.0	2ND CLASS MILITARY PERFORMANCE II	19-2	
	MS300			1.5	PLATOON OPERATIONS	19-2	
	PE360			0.5	COMBAT APPLICATIONS	19-2	
	SS307			3.0	INTERNATIONAL RELATIONS	19-1	Or SS357
SEMESTER 7	CH365		3.0		CHEMICAL ENGINEERING THERMODYNAMICS	20-1	
	CH459		3.5		CHEM ENG LABORATORY	20-1	
	CH485		3.5		HEAT AND MASS TRANSFER	20-1	
	ELECTIVE I	3.0			ENGINEERING ELECTIVE I	20-1 / EM420	
	ELECTIVE II	3.5			ENGINEERING ELECTIVE II	20-2 / EM411	
	MD401			0.0	1ST CLASS MILITARY PERFORMANCE I	20-1	
	PE450			1.5	ARMY FITNESS DEVELOPMENT	20-2	
SEMESTER 8	CH400		1.5		CHEM ENG PROFESSIONAL PRACTICE	20-2	
	CH402		3.5		CHEM ENG PROCESS DESIGN	20-2	
	ELECTIVE III	3.0			ENGINEERING ELECTIVE III	20-2 / CH450	Course Substitution
	HI302			3.0	HISTORY OF MILITARY ART 1900-PRESENT	19-2	Or HI352
	LW403			3.0	CONSTITUTIONAL/MILITARY LAW	20-2	
	MD402			0.0	1ST CLASS MILITARY PERFORMANCE II	20-2	
	MX400			3.0	OFFICERSHIP	20-1	
		MATH SCIENCE	ENGINEERING	GENERAL EDUCATION	CURRICULUM		
		41.5	53.0	57.5	152.0		
ADVISOR: DR EILEEN KOWALSKI		SIGNATURE: DATE:					
ADDITIONAL COURSES TAKEN AT USMA	CH489			3.0	INDIVIDUAL RESEARCH I	20-2	
		MATH SCIENCE	ENGINEERING	GENERAL EDUCATION			
		0.0	0.0	3.0			
		TOTAL	41.5	53.0	60.5		
		AMS	41.0	49.0	N/A		
		MIN ABET	30.0	45.0	N/A		

Notes:

- All prerequisites are satisfied. There are no prerequisite violations in the transcript.
- AMS shows MS=41.0 and ET=49.0 which gives a 0.5-credit discrepancy in MS and 4.0 in ET. This is due to IT105, MA206, AND CH450. The Redbook lists IT105 as containing ET=0.5 at the time the cadet took the course, and MA206 as containing MS=2.5 and ET=0.5. These were later changed to ET=2.0 in IT105 and MS=3.0 and ET=0.0 in MA206 after ABET committee review of the courses. This resulted in an overall +1.0 net increase in ET and a -0.5 net decrease in MS. CH450 is an engineering course, but has not yet undergone review by the ABET committee for engineering content. Removing 3.0 ET credits for CH450, changing IT105 to 0.5 ET credits, and changing MA205 to 0.5 ET and 2.5 MS credits explains the discrepancies.
- ET for CH450 is not in the Redbook yet.