

### MSA Full-time Curricular Sequence

Course Code	Course Title	Credit Hours	Contact Hours Academic Term
<b>SEMESTER I</b>			
ANES 5101	Human Anatomy for Nurse Anesthetists	5	90 hrs
ANES 5102	Integrated Human Physiology	5	90 hrs
ANES 5111	Advanced Physiopathology for Nurse Anesthetists	3	54 hrs
ANES 5112	Advanced Physical Assessment	3	54 hrs
	<b>Total Credits and Hours</b>	<b>16</b>	<b>288 hrs</b>
<b>SEMESTER II</b>			
ANES 5213	Advanced Pharmacology of Anesthetic Drugs	6	108 hrs
ANES 5203	Anesthesia Chemistry and Physics	4	72 hrs
ANES 5221	Basic Principles of Anesthesia Practice	3	54 hrs
ANES 5231	Seminar I	1	18 hrs
	<b>Total Credits and Hours</b>	<b>14</b>	<b>252 hrs</b>
<b>SUMMER I (8 WEEKS)</b>			
ANES 5022	Advanced Principles of Anesthesia Practice	6	108 hrs
ANES 5032	Anesthesia Seminar II	1	18 hrs
ANES 5023	Introduction to Clinical Anesthesia	2 (1:2)	72 hrs
	<b>Total Credits and Hours</b>	<b>9</b>	<b>198 hrs</b>
<b>SEMESTER III 2ND YEAR</b>			
ANES 5341	Anesthesia Clinical Practice I	8	576 hrs
ANES 5333	Anesthesia Seminar III	1	18hrs
ANES 5324	Professional Aspects of the Nurse Anesthetist	2	36 hrs
ANES 5351	Evidence Based Research for Nurse Anesthetists	3	54 hrs
	<b>Total Credits and Hours</b>	<b>14</b>	<b>684 hrs</b>
<b>SEMESTER IV 2ND YEAR</b>			
ANES 5442	Anesthesia Clinical Practice II	10	720 hrs
ANES 5434	Anesthesia Seminar IV	1	18 hrs
ANES 5452	Evidence Based Research for Nurse Anesthetists II	3	54 hrs
	<b>Total Credits and Hours</b>	<b>14</b>	<b>792 hrs</b>
<b>SUMMER II (TRIMESTER-13.5 WEEKS)</b>			
ANES 5043	Anesthesia Clinical Practice III	10	720 hrs
	<b>Total Credits and Hours</b>	<b>10</b>	<b>720 hrs</b>
	<b>Total Credits and Hours in the program</b>	<b>77 crs</b>	<b>2,934 theoretical and practice hours</b>