

BACHELOR OF SCIENCE IN FORESTRY

STARTING FALL 2018 SEMESTER CURRICULUM OUTLINE

COURSE #	AUTUMN DESCRIPTION	CR	COURSE #	SPRING DESCRIPTION	CR
FRESHMAN					
FORS 130	INTRO TO FOR FIELD SKILLS	2	BIOO 105N	INTRODUCTION TO BOTANY ^S	3
CHMY 121N	GENERAL CHEM ^{*S}	3	M 162	APPLIED CALCULUS* -OR-	4
M 151	PRE-CALCULUS ^{**}	4	PHSX 205N & 206N	COLLEGE PHYSICS I and LAB*	5
WRIT 101	COLLEGE WRITING ^{*S}	3	COMX 111A	SPEECH ^{*S} -OR-	3
BIOB 160N	PRINCIPLES OF LIVING SYST ^{*S}	3	THTR 120A	INTRO TO ACTING I*	3
				GEN ED/ELECTIVES	4/5
	TOTAL	15		TOTAL	15
SOPHOMORE					
FORS 201	FOREST BIOMETRICS (≥ M 115)	3	FORS 202	FOREST MENSURATION (FORS 201; M 151 OR M 121/122)	3
FORS 250	INTRO TO GIS FOR FOREST MANAGEMENT*	3	NRSM 210N	SOIL, CLIMATE, AND WATER (≥ M 115)	3
FORS 241N	DENDROLOGY*	3	ECNS 201S	INTRO TO MICROECON ^{*S}	3
	GEN ED/ELECTIVES	6		GEN ED/ELECTIVES	6
	TOTAL	15		TOTAL	15
JUNIOR					
FORS 330	FOREST ECOLOGY* (NRSM 210; BIOB 160; FORS 201 or STAT 216)	3	FORS 320	FOREST ENVIRO ECONOMICS (M 121/122 OR M 151)	3
FORS 340	FOR PROD MANUFACTURE	3	FORS 341	TIMBER HARVESTING & ROADS	3
FORS 349	PRACTICE OF SILVICULTURE (FORS 202; coreq FORS 330)	3	NRSM 385	WATERSHED HYDROLOGY*	3
	OPTION/ELECTIVES	6		OPTION/ELECTIVES	6
	TOTAL	15		TOTAL	15
SENIOR					
FORS 440	FOREST STAND MANAGEMENT (FORS 202, 320, 341, and 349)	3	NRSM 422	NAT RES POLICY & ADMIN*	3
	OPTION/ELECTIVES	12	FORS 481	FOREST PLANNING	3
	TOTAL	15		OPTION/ELECTIVES	9
				TOTAL	15

- Notes:**
- + M 151 requirement may also be satisfied with the sequence of M 121 College Algebra AND M 122 College Trigonometry.
 - * Course typically offered both Fall and Spring semesters.
 - ^S Course typically offered in summer semesters.
 - (*italics*) Course prerequisites.
 - Shading indicates multiple options.

GENERAL DEGREE REQUIREMENTS:

- A total of 120 credits are required to graduate.
- ≥ 39 credits must be upper-division (300 level or higher).
- ≥ 36 traditional letter-graded semester credits are required in the College of Forestry and Conservation, of which a minimum of 20 credits must be taken while an approved major within the College of Forestry and Conservation.

All Forestry majors must also complete 18 credits of PROFESSIONAL ELECTIVES and all University GENERAL EDUCATION REQUIREMENTS (see BACK).

At least 400 hours of approved work experience is required to graduate.

PROFESSIONAL ELECTIVES: at least **18 credits** from the following

AUTUMN			SPRING		
COURSE #	DESCRIPTION	CR	COURSE #	DESCRIPTION	CR
BIOPHYSICAL SCIENCES (at least one course)					
BIOE 370	GENERAL ECOLOGY ^S (<i>BIOB 272</i>)	3	BIOO 335	ROCKY MOUNTAIN FLORA ^S	3
FORS 333	FIRE ECOLOGY (<i>FORS 230</i>)	3	BIOO 433	PLANT PHYSIOLOGY (<i>BIOB 170/171 OR BIOO 105 OR BIOO 320</i>)	3
WILD 370	WILDLIFE HABITAT CONS & MGMT* (<i>STAT 216 or WILD 240, BIOE 370</i>)	3	FORS 342	WOOD ANATOMY, PROP & ID (<i>BIOO 105 or FORS 241</i>)	3
			NRSM 418	ECOSYSTEM CLIMATOLOGY ^{odd}	3
MANAGEMENT APPLICATIONS (at least two courses)					
FORS 434	ADV FOREST ROADS (<i>FORS 341</i>) ^{odd}	3	FORS 230	FIRE MGMT & ENVIRON	3
FORS 435	ADV TIMBER HARVESTING ^{even} (<i>FORS 341</i>)	3	FORS 232	FOREST INSECTS & DISEASES	2
FORS 447	ADV SILVICULTURE ^{even} (<i>FORS 347 or 349</i>)	3	FORS 331	WIDLAND FUEL MANAGEMENT (<i>FORS 230</i>)	3
NRMS 265	ELEMENTS OF ECO RESTORATION	3			
NRSM 360	RANGE MANAGEMENT	3			
POLICY AND SOCIAL SCIENCE (at least one course)					
ENST 225	COMMUNITY & ENVIRONMENT	3	ENST 230H	NATURE AND SOCIETY	3
NRSM 370	WIDLAND CONSERV POLICY & GOVERNANCE (<i>WILD&CIV</i>)	3	NRSM 379	COLLABORATION IN NAT RES DECISIONS	3
NRSM 389E	ETHICS, FORESTRY AND CONS	3	NRSM 424	COMMUNITY FOR & CONSERV	3
PTRM 217S	PARKS & OUTDOOR REC MGMT*	3	NRSM 426	CLIMATE AND SOCIETY ^{odd}	3
PTRM 310	NAT RES INTERP AND COMM	3	NRSM 427	ADVANCED WATER POLICY	3
PTRM 451W	TOURISM & SUST (<i>PTRM 210</i>)	3	NRSM 475	ENV AND DEVELOPMENT	3
PTRM 482W	WILDERNESS & PROT AREA MGMT (<i>PTRM 217</i>)	3	PTRM 300	REC BEHAVIOR (<i>PTRM 217</i>)	3
NASX 303E	ECOLOGICAL PERSPECTIVES IN NATIVE AMER TRADITIONS*	3	PTRM 380	ADMIN AND LEADERSHIP	3
MEASUREMENT AND ANALYSIS (at least one course)					
FORS 307	FOREST VEG MODELS ^{int}	3	FORS 350	FORESTRY APP OF GIS (<i>FORS 250</i>)	3
GEO 421	HYDROLOGY	3	FORS 351	ENVIRON REMOTE SENSING	3
			FORS 505	SAMPLING METHODS	3

Notes:

* Course typically offered both Fall and Spring semesters.

^S Course typically offered in summer semester.

^{even/odd/int} Course offered only in even or odd calendar years, or only intermittently.

(*italics*) Course prerequisites.

GENERAL EDUCATION REQUIREMENTS: All University of Montana majors must complete the following

GROUP	SUBJECT	SATISFIED BY BSc FORESTRY PROGRAM	TO BE SATISFIED BY ELECTIVES
I	Writing	Introductory writing req. met by WRIT 101; Advanced writing req. met by upper-division courses	1 Intermediate writing course (eg, WRIT 201*)
II	Math	Met by M 162	–
III	Languages	Not required of BSc Forestry majors	–
IV	Expr Arts (A)	Met by COMX 111A or THTR120A	–
V	Lit & Art (L)	–	1 L course
VI	Hist & Cult (H)	–	1 H course
VII	Soc Sci (S)	Met by ENCS201S	–
VIII	Ethics (E)	–	1 E course (eg, NRSM 389E or NASX 303E*)
IX	Dem/Cit (Y)	–	1 Y course
X	Cult/Int Div (X)	–	1 X course (eg, NASX 303E*)
XI	Nat Sci (N)	Met by FORS241N	–