Oregon State University
College of Forestry

NATURAL RESOURCES B.S. DEGREE

Specialization Option Checklist:

Landscape Analysis

Date Prepared_____ By_____

Student Name	Student ID#	Current Institution
Email Address		

*=Baccalaureate Core / ^ =WIC (Writing Intensive Course

LANDSCAPE ANALYSIS SPECIALIZATION OPTION REQUIREMENTS			
MEASUREMENTS (4 credits) CHOOSE ONE		**Fulfilled by:**	**Note #**
___ Forest Surveying(4)	FE 208		
GEOGRAPHIC INFORMATION SCIENCE (16 Credits) REQUIRED		**Fulfilled by:**	**Note #**
___ Foundations of Geospatial Science and GIS (4)	GEOG 201		
___ GIScience I: Geographic Information Systems and Theory (4)	GEOG 360		
___ Geo-Visualization: Cartography (4)	GEOG 370		
___ Remote Sensing I: Principles and Applications (4)	GEOG 480		
___ **OR** Remote Sensing and Photogrammetry	FE 444		
GEOGRAPHIC INFORMATION SCIENCE ELECTIVES (6 - 8 credits) CHOOSE TWO		**Fulfilled by:**	**Note #**
___ GIS in Water Resources (3)	CE 413		
___ Precision Agriculture (4)	CROP/HORT 414		
___ Forest Route Surveying (4)	FE 310		
___ Unmanned Aircraft Systems Remote Sensing (3)	FE 423		
___ Remote Sensing and Photogrammetry	FE 444		
___ Survey of Geographic Information Systems in Natural Resources (3)	FW 303		
___ GIScience II: Analysis and Applications (4)	GEOG 361		
___ Geovisualization: Web Mapping (4)	GEOG 371		
___ Planning Principles and Practices for Resilient Communities (4)	GEOG 451		
___ GIScience III: Programming for Geospatial Analysis (4)	GEOG 462		
___ GIScience IV: Spatial Modeling (4)	GEOG 463		
___ Geospatial Perspectives on Intelligence, Security and Ethics (3)	GEOG 464		
___ Geo-Visualization: Geo-visual Analytics (3)	GEOG 472		
___ Remote Sensing II: Digital Image Processing (4)	GEOG 481		
___ Internship	NR 410		
___ Soil Landscape Analysis (4)	SOIL 468		
NATURAL RESOURCE ELECTIVES (CHOOSE 12-14 CREDITS MINIMUM)		**Fulfilled by:**	**Note #**
Choose a minimum of 12 credits in a disciplinary area related to GIScience to reach a minimum of 40 credits in the option. Student will be required to submit an academic plan for completion of the option which will be approved by the Natural Resources Program Director or Academic Advisor.			
Note: Up to 6 credits of appropriate internships, projects or study abroad may be used to fulfill credit requirements as approved by petition.			

NOTE #	
A Specialization Option is required for the Natural Resources major. (Minimum of 37 credits with at least 20 of those being upper division credits.) Required minimum GPA for the specialization is 2.25. This option is available on the Corvallis campus and Ecampus.	

Revised 5.2020 for Natural Resources curriculum version 3.0 effective summer 2018