

MASTER OF LANDSCAPE ARCHITECTURE

CURRICULUM DESCRIPTION

Within the professional MLA curriculum at the University of Washington there are three primary tracks. The MLA I track is a first professional degree, and the MLA II tracks are split for students with educational and/or significant professional experience in either Landscape Architecture (BLA) or Architecture (Arch). Each student is assigned a track based on his or her backgrounds, and through negotiation with the Graduate Program Coordinator.

Students with previous graduate-level coursework or professional experience may be approved to enroll in more advanced courses to substitute for some of the requirements, or in some cases have the requirement waived. *No more than 12 credits may be waived during the program.* The Graduate Program Coordinator determines approval, and formal paperwork must be signed and recorded.

In order to meet UW Graduate School requirements, students must have successfully completed 72 (+) credits (400-level +). However, the professional MLA program curriculum requires a greater number of credits to fulfill degree requirements.

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[MLA I] Curriculum Description

students with no previous degree in Landscape Architecture or Architecture

Some requirements may shift based on previous academic and/or professional experience. The graduate program coordinator will determine specific curriculum requirements for each student.

STUDIOS // 42 credits, required

In the initial year of the program, students are required to take studios each term. The studios are sequential and should be taken in order as they are offered: Design Foundations Studio (LARC 301), Urban Sites Studio (LARC 302), and Ecological Systems Studio (LARC 303).

In the advanced years of the program, students are required to take 4 approved Advanced Studio courses. Three of the Advanced Studios must be taken through the Department of Landscape Architecture. Another may be taken as a Wildcard Studio through another department such as Architecture, Urban Design + Planning, or Art (400-level +).

Advanced Studio courses include Ecological Urbanism (LARC 501), Design Activism (LARC 502), Community Design (LARC 503), Landscape Urbanism (LARC 504), and Landscape + Art (LARC 507). Generally, two Advanced Studios are offered each term through the department.

HISTORY + THEORY // 17 credits, required

Theory and Scholarship (LARC 570) – A required course for all MLA students, the objectives of this class are to examine the foundations to leading edge of theory and scholarship within the field and discipline.

Built Environment History* - Each student is required to take at minimum 5 credits of an approved history course(s). The department annually offers History of Landscape Architecture (LARC 552), and History of Modern Landscape Architecture (LARC 553) though other approved courses may be substituted for this requirement. Urban Environmental Histories (LARC 454) is offered bi-annually. The Graduate Program Coordinator and Thaisa Way determine approval for substituted courses.

Common Alternatives:

URBDP 564 Planning History, Theory, & Ethics (3) credits

URBDP 565 American Urban History (3) credits

ARCH 442 Africa and Middle East Seminar (3) credits

ARCH 445 South Asian Architecture I (3) credits

ARCH 446 South Asian Architecture II (3) credits

ARCH 452 History of Architecture in Seattle and Environs (3) credits

ARCH 453/ART H 419 Japanese Architecture (3) credits

ARCH 455/ART H 488 American Architecture (3) credits

ARCH 457/ART H 491 Twentieth-Century Architecture (3) credits

ARCH 458/ART H 494/JSIS A 433 Paris: Architecture & Urbanism (3) credits

ARCH 459/ART H 493 Architecture Since 1945 (3) credits

ARCH 541/ARCH 441 Visions of the Japanese House (3) credits

ARCH 556 The Arts & Crafts Movement & It's Legacies (3) credits

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

ARCH 558 Seminar in Twentieth-Century Architecture (3/5) credits
ARCH 559 American Utilitarian Architecture (3) credits
HSTAA 570 American Environmental History (5) credits

Socio-Political Dimensions of Design* – Each student is required to take a minimum of 3 credits in the topic area of social design. The department annually offers The Human Experience of Place (LARC 561) though approved courses may be substituted for this requirement. The Graduate Program Coordinator and Lynne Manzo determine approval for substituted courses.

Common Alternatives:

L ARCH 598 Politics of Public Space (3) credits
PSYCH 431/ESRM 413/ENVIR 431 Ecopsychology (5) credits
URBDP 538 Public Health and Built Environment (2) credits + (1) credit Indep. study

BioPhysical Ecology* - Each student is required to take a minimum of 3 credits in the topic area of biophysical ecology. The department annually offers Ecological Design + Planning (LARC 563) though approved courses may be substituted for this requirement. The Graduate Program Coordinator and Ken Yocom determine approval for substituted courses.

Common Alternatives:

ESRM 401 Spring Comes to the Cascades (3) credits
ESRM 441 Landscape Ecology (5) credits
ESRM 450 Wildlife Ecology & Conservation (5) credits
ESRM 458 Management of Endangered, Threatened & Sensitive Species (5) credits
ESRM 473 Restoration in North America (5) credits
ESRM 474/SEFS 474 Restoration Problem Solving: Ecological Engineering (5) credits
ESRM 479 Restoration Design (5) credits
ESRM 480 Landscape Plant Science & Sustainable Management (5) credits
SEFS 501 Forest Ecosystems - Community Ecology (5) credits
SEFS 523 Environmental Applications of Plants: Bioenergy & Bioremediation (3) credits
SEFS 525 Advanced Wildland Hydrology (4) credits
SEFS 526 Seminar in Advanced Silviculture (3) credits
SEFS 530 Introduction to Restoration Ecology (3-5) credits
SEFS 533/ESRM 433 Airborne Lidar for Remote Sensing of Vegetation & Geomorphology (5) cr
SEFS 541 Advanced Landscape Ecology (5) credits
SEFS 567 Topics in Advanced Ecology (3-6) credits
FISH 547/FISH 447 River Ecology and Watershed Management (3) credits
URBDP 598 Environmental Planning (3) credits
AIS 475 Indigenous Sustainability & Tribal Culture (5) credits

Research Methods* - Each student is required to take a minimum of 3 credits in the topic area of research methods. The department annually offers Landscape Architecture Research Methods (LARC 571) though approved courses may be substituted for this requirement. The Graduate Program Coordinator determines approval for substituted courses.

Common Alternatives:

ARCH 567 Qualitative Research Methods (3) credits
ARCH 588 Research Practice (3) credits

CM 535 Research Methods in Construction (3) credits
CM 590 Research Methods in Construction Engineering (2) credits
URBDP 519 Qualitative Research Methods (3) credits
URBDP 520 Quantitative Methods in Urban Design and Planning (4) credits
GEOG 525/GEOG 425 Advanced Qualitative Methods in Geography (5) credits
GEOG 526 /GEOG 426 Advanced Quantitative Methods in Geography (5) credits
FISH 560 Applied Multivariate Statistics for Ecologists (4) credits
SEFS 509 Analysis of Research Problems (3) credits
SOC WL 581 Qualitative Research Methods and Design (3) credits

LAW/FINANCE/POLICY* // 3 credits, required

A minimum of 3 credits is required in the topic area of law/finance/policy. The course (400-level +) may be selected from any class offering in the University, but requires approval by the Graduate Program Coordinator. The course must have objectives that relate to the design or management of built environments

Common Courses:

CM 500/ARCH 574 Design and Construction Law (3) credits
CM 423 Construction Law (3) credits
CM 540 Sustainable Construction (3) credits
CM 545 Real Estate Development (3) credits
URBDP 450 Introduction to Land Use, Growth Management & Environmental Planning (3) crs.
URBDP 536 Health Impact Assessment (2) credits + (1) credit independent study
URBDP 549 Hazard Mitigation Planning (3) credits
URBDP 550/R E 516 Introduction to Real Estate Economics/Market Analysis (4) credits
URBDP 553/R E 553 Urban Land Economics (4) credits
URBDP 554/R E 513 Real Estate Finance and Investment (4) credits
URBDP 557/R E 515 Real Estate Law (3) credits
URBDP 560 Inequality, Governance, & Policy in the Metropolitan Region (3-4) credits
URBDP 561 Urban Economics and Public Policy (3-4) credits
URBDP 566 Infrastructure and Community Facilities (4) credits
URBDP 577/R E 570 Real Estate Project Finance (3) credits
URBDP 578 Real Estate Development (4) credits
URBDP 580 Legal and Administrative Framework for Planning (3) credits
URBDP 585 Introduction to Historic Preservation Planning (3) credits
URBDP 586 Implementation in Preservation Planning (4) credits
URBDP 587 Preservation and Vernacular Environment (3) credits
URBDP 598 Transportation Policy (3) credits
URBDP 598 Land Use, Growth Management & Environmental Planning (3) credits
RE 598 Sustainable Development & Regional Economics (3) credits
ESRM 400 Natural Resource Conflict Management (3) credits
ESRM 460 Power, Privilege & Preservation (5) credits
ESRM 465 Economics of Conservation (3) credits
ESRM 470 Natural Resource Policy and Planning (5) credits
ESRM 485 Environmental Planning and Permitting in Practice (5) credits
SEFS 571/PUB POL 592 Resource Policy and Administration (4) credits
SEFS 592 Environmental Policy Processes (3-4) credits
FISH 461 Resource Economics for Management and Policy (3) credit

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

GEOG 467/LSJ 467 Law, Justice & the Environment (5) credits
GEOG 474 Geography and the Law (5) credits
GEOG 517 Geospatial Data Analysis (5) credits
SMEA 476/ENVIR 476 Introduction to Environmental Law & Process (3) credits
SMEA 511 Coastal Environment Management (3) credits
SMEA 521 Governmental Responses to Global Climate Change (3) credits
SMEA 530 Development and the Environment (3) credits
SMEA 537 Economic Aspects of Marine Policy (3) credits
SMEA 585 Climate Impacts on the Pacific Northwest (4) credits
G H 511 Problems in Global Health (1-4) credits
LAW A 525 Water Law (4) credits
LAW A 527 Environmental Law (4) credits
LAW A 529 Public Land Law (3) credits
LAW A 540 Land Use Planning Seminar (3) credits
LAW A 542 Land Law and the Urban Environment (3) credits
LAW A 545 International Environmental Law (3-4) credits
LAW B 529 Advanced Environmental Law and Practice (1-4) credits
LAW B 581/LAW 481 Land, American Culture and the Law: Perspectives on the Use & Ownership of the Natural Environment (1-6) credits
LAW B 585 Natural Resources Law (1-4) credits
LAW B 593 Natural Resources Commons Property (3) credits
LAW B 594 Public Land Law Seminar (2-6) credits
LAW E 596 Wildlife Law Seminar (3) credits
LAW E 597 Global Warming and Justice Seminar (4) credits
LAW E 598 Climate Change Law (3-4) credits

MEDIA // 12 credits, required

Landscape Representation I (LARC 411) – A required course for all MLA I students, the objectives of this class are to develop skills in hand graphics and learning basic disciplinary conventions for representation. The instructor and Graduate Program Coordinator determine approval for waivers.

Waiver Requirement: To be waived, students must demonstrate proficiency in hand graphics and measured drawing.

Digital Media I (LARC 440)– A required course for all MLA students, the objectives of this class are to develop skills in the basic disciplinary digital programs for representation. If students demonstrate proficiency in digital programs, they may be waived from all or a portion of the requirement. The instructor and Graduate Program Coordinator determine approval for substituted courses and waivers.

Advanced Digital Media* - Each student is required to take a minimum of 3 credits in the topic area of advanced digital media. The department annually offers Digital Media II (LARC 441) though approved courses may be substituted for this requirement. The student must demonstrate proficiency in Rhinoceros, Grasshopper and AutoCAD to be waived from the requirement. The Graduate Program Coordinator determines approval for substituted courses and waivers.

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

Waiver Requirement: To be waived, students must demonstrate proficiency in Rhinoceros, Grasshopper and AutoCAD.

Common Alternatives:

ARCH 481 3D Modeling and Rendering (3) credits

For those that were unable to take LARC 441 due to a study abroad program, they may independently enroll in two (2) online Rhinoceros courses (introduction and intermediate) and (1) Grasshopper (intermediate) through McNeel (see: <http://www.en.na.mcneel.com/>). In addition, they must demonstrate proficiency in AutoCAD or complete an independent LARC 441 AutoCAD assignment (in preparation for LARC 433 - Design Implementation). Students must present the GPC with the certificates of completion of McNeel Rhino courses as well as evidence of proficiency in AutoCAD or the complete independent LARC 441 AutoCAD assignment.

Media Selective* - A minimum of 3 credits is required for a media selective. The course (400-level +) may be selected from any class offering in the University, but requires approval by the Graduate Program Coordinator.

Common Courses:

ESRM 430 Remote Sensing of the Environment (5) credits

ARCH 410 Introduction to Architectural Photography (3-5) credits

ARCH 413 Architectural Photography Projects (3) credits

ARCH 415 Architectural Sketching (3) credits

ARCH 418 Watercolor Drawing (3) credits

ARCH 481 3D Modeling and Rendering (3) credits

ARCH 482 Web Weaving (3) credits

ARCH 487 Fundamentals of Building Information Modeling (BIM) (3) credits

ARCH 527 Introduction to Digital Design and Fabrication (3) credits

ARCH 528 Digital Design for Fabrication and Construction (3)

URBDP 404 Introduction to Geographic Information Systems (GIS) (3) credits

URBDP 422 Urban and Regional Geospatial Analysis (5) credits

URBDP 429/CEE 418 Computer-Aided Planning of Urban Systems

URBDP 467 Urban Planning Uses of Remote Sensing (3) credits

URBDP 504 Introduction to Geographic Information Systems (3) credits

URBDP 522 Urban and Regional Geospatial Analysis (5) credits

URBDP 573 Digital Design (4) credits

URBDP 598 Data Visualization

GEOG 360/GEOG 560 Principles of GIS Mapping (5) credits

GEOG 317/GEOG 517 Geographic Information and Spatial Analysis (5) credits

GEOG 465/GEOF 565 GIS Database and Programming (5) credits

SEFS 520 Geographic Information Systems in Forest Resources (5) credits

SEFS 533/ESRM 433 Airborne Lidar for Remote Sensing of Vegetation & Geomorphology (5) cr

SOC W 598 Digital Storytelling

CONSTRUCTION // 12 credits, required

Grading and Drainage (LARC 331) – A required course for all students in the MLA I track, the objectives of this class are to provide basic proficiency in landform manipulation.

Materials, Craft, and Construction (LARC 332) – A required course for all student in the MLA I track, the objectives of the class are to engage design criteria and construction techniques for detail elements.

Design Implementation (LARC 433) – A required course for all students in the MLA I track, the objectives of this class are to provide basic proficiency in AutoCAD and construction documentation.

Soils/hydrology* - Each student is required to take a minimum of 3 credits in the topic area of soils/hydrology. The department annually offers Urban Soils + Hydrology (LARC 432) though approved courses may be substituted for this requirement. The Graduate Program Coordinator determines approval for substituted courses.

Common Alternatives:

SEFS 507 Soils and Land Use Problems (4) credits

SEFS 512 Biogeochemical Cycling in Soils and Forest Ecosystems (3) credits

SEFS 515 Advanced Soil and Plant Anaysis (3) credits, Even years

SEFS 523 Environmental Applications of Plants: Bioenergy and Bioremediation (3) credits

SEFS 525 Advanced Wildland Hydrology (4) credits

ESRM 413 Soil Genesis and Classification (5) credits

ESRM 426 Wildland Hydrology (4) credits

PLANTS // 6-8 credits, required

Plant Identification* - Each student is required to take a 3 – 5 credits (depending on class selected) in the topic area of plant identification. Through the Department of Environmental Science and Research Management, the department annually offers Plant Identification (ESRM 331) though approved courses or significant work experience may be substituted for this requirement. The Graduate Program Coordinator determines approval for substituted courses or waivers.

Waiver Requirements: To be waived, the student must provide evidence of having taken a previous plant identification course or to have been employed in a nursery for 12 months.

Common Alternatives:

BIOL 317 Plant Classification and Identification (5) credits

Advanced Planting Design (LARC 424) – A required course for all MLA students, the objectives of this class are to provide fundamental knowledge of planting design and management specifications.

PROFESSIONAL PRACTICE // 3 credits, required

Professional Practice (LARC 473) – A required course for all MLA students, the objectives of this class are to provide foundational knowledge for how the professional field is structured and operates. The course may be waived based on previous professional experience. The Graduate Program Coordinator determines approval for substituted courses.

Waiver Requirement: To be waived, the student must demonstrate that they have been employed in a professional design office for no less than 12 months.

THESIS ELECTIVES // 12 credits, required

A minimum of 12 credits is required for thesis electives. Each course (400-level +) may be selected from any class offering in the University. The courses are not restricted to any topic area to provide the student with flexibility to pursue their individual interests.

CAPSTONE // 12 credits, required

Please see the Capstone Guidelines for details regarding options and credit sequencing.

[MLA II_Arch] Curriculum Description

students with a previous degree in Architecture

Some requirements may shift based on previous academic and/or professional experience. The graduate program coordinator will determine specific curriculum requirements for each student.

STUDIOS // 24 credits, required

For the first four terms in the program, students are required to take an approved Advanced Studio course in each quarter. Three of the Advanced Studios must be taken through the Department of Landscape Architecture. Another may be taken as a Wildcard Studio through another department such as Architecture, Urban Design + Planning, or Art (400-level +).

Advanced Studio courses include Ecological Urbanism (LARC 501), Design Activism (LARC 502), Community Design (LARC 503), Landscape Urbanism (LARC 504), and Landscape + Art (LARC 507). Two Advanced Studios are offered each term through the department.

HISTORY + THEORY // 17 credits, required

Theory and Scholarship (LARC 570) – A required course for all MLA students, the objectives of this class are to examine the foundations to leading edge of theory and scholarship within the field and discipline.

Built Environment History* - Each student is required to take at minimum 5 credits of an approved history course(s). The department annually offers History of Landscape Architecture (LARC 552), and History of Modern Landscape Architecture (LARC 553) though other approved courses may be substituted for this requirement. Urban Environmental Histories (LARC 454) is offered bi-annually. The Graduate Program Coordinator and Thaisa Way determine approval for substituted courses.

Common Alternatives:

URBDP 564 Planning History, Theory, & Ethics (3) credits
URBDP 565 American Urban History (3) credits
ARCH 442 Africa and Middle East Seminar (3) credits
ARCH 445 South Asian Architecture I (3) credits
ARCH 446 South Asian Architecture II (3) credits
ARCH 452 History of Architecture in Seattle and Environs (3) credits
ARCH 453/ART H 419 Japanese Architecture (3) credits
ARCH 455/ART H 488 American Architecture (3) credits
ARCH 457/ART H 491 Twentieth-Century Architecture (3) credits
ARCH 458/ART H 494/JSIS A 433 Paris: Architecture & Urbanism (3) credits
ARCH 459/ART H 493 Architecture Since 1945 (3) credits
ARCH 541/ARCH 441 Visions of the Japanese House (3) credits
ARCH 556 The Arts & Crafts Movement & It's Legacies (3) credits
ARCH 558 Seminar in Twentieth-Century Architecture (3/5) credits
ARCH 559 American Utilitarian Architecture (3) credits
HSTAA 570 American Environmental History (5) credits

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

Socio-Political Dimensions of Design* – Each student is required to take a minimum of 3 credits in the topic area of Social design. The department annually offers The Human Experience of Place (LARC 561) though approved courses may be substituted for this requirement. The Graduate Program Coordinator and Lynne Manzo determine approval for substituted courses.

Common Alternatives:

L ARCH 598 Politics of Public Space (3) credits
PSYCH 431/ESRM 413/ENVIR 431 Ecopsychology (5) credits
URBDP 538 Public Health and Built Environment (2) credits + (1) credit Indep. study

BioPhysical Ecology* - Each student is required to take a minimum of 3 credits in the topic area of biophysical ecology. The department annually offers Ecological Design + Planning (LARC 563) though approved courses may be substituted for this requirement. The Graduate Program Coordinator and Ken Yocom determine approval for substituted courses.

Common Alternatives:

ESRM 401 Spring Comes to the Cascades (3) credits
ESRM 441 Landscape Ecology (5) credits
ESRM 450 Wildlife Ecology & Conservation (5) credits
ESRM 458 Management of Endangered, Threatened & Sensitive Species (5) credits
ESRM 473 Restoration in North America (5) credits
ESRM 474/SEFS 474 Restoration Problem Solving: Ecological Engineering (5) credits
ESRM 479 Restoration Design (5) credits
ESRM 480 Landscape Plant Science & Sustainable Management (5) credits
SEFS 501 Forest Ecosystems - Community Ecology (5) credits
SEFS 523 Environmental Applications of Plants: Bioenergy & Bioremediation (3) credits
SEFS 525 Advanced Wildland Hydrology (4) credits
SEFS 526 Seminar in Advanced Silviculture (3) credits
SEFS 530 Introduction to Restoration Ecology (3-5) credits
SEFS 533/ESRM 433 Airborne Lidar for Remote Sensing of Vegetation & Geomorphology (5) cr
SEFS 541 Advanced Landscape Ecology (5) credits
SEFS 567 Topics in Advanced Ecology (3-6) credits
FISH 547/FISH 447 River Ecology and Watershed Management (3) credits
URBDP 598 Environmental Planning (3) credits
AIS 475 Indigenous Sustainability & Tribal Culture (5) credits

Research Methods* - Each student is required to take a minimum of 3 credits in the topic area of research methods. The department annually offers Landscape Architecture Research Methods (LARC 571) though approved courses may be substituted for this requirement. The Graduate Program Coordinator determines approval for substituted courses.

Common Alternatives:

ARCH 567 Qualitative Research Methods (3) credits
ARCH 588 Research Practice (3) credits
CM 535 Research Methods in Construction (3) credits
CM 590 Research Methods in Construction Engineering (2) credits
URBDP 519 Qualitative Research Methods (3) credits
URBDP 520 Quantitative Methods in Urban Design and Planning (4) credits

GEOG 525/GEOG 425 Advanced Qualitative Methods in Geography (5) credits
GEOG 526 /GEOG 426 Advanced Quantitative Methods in Geography (5) credits
FISH 560 Applied Multivariate Statistics for Ecologists (4) credits
SEFS 509 Analysis of Research Problems (3) credits
SOC WL 581 Qualitative Research Methods and Design (3) credits

LAW/FINANCE/POLICY* // 3 credits, required

A minimum of 3 credits is required in the topic area of law/finance/policy. The course (400-level +) may be selected from any class offering in the University, but requires approval by the Graduate Program Coordinator. The course must have objectives that relate to the design or management of built environments

Common Courses:

CM 500/ARCH 574 Design and Construction Law (3) credits
CM 423 Construction Law (3) credits
CM 540 Sustainable Construction (3) credits
CM 545 Real Estate Development (3) credits
URBDP 450 Introduction to Land Use, Growth Management & Environmental Planning (3) credit
URBDP 536 Health Impact Assessment (2) credits + (1) credit independent study
URBDP 549 Hazard Mitigation Planning (3) credits
URBDP 550/R E 516 Introduction to Real Estate Economics/Market Analysis (4) credits
URBDP 553/R E 553 Urban Land Economics (4) credits
URBDP 554/R E 513 Real Estate Finance and Investment (4) credits
URBDP 557/R E 515 Real Estate Law (3) credits
URBDP 560 Inequality, Governance, & Policy in the Metropolitan Region (3-4) credits
URBDP 561 Urban Economics and Public Policy (3-4) credits
URBDP 566 Infrastructure and Community Facilities (4) credits
URBDP 577/R E 570 Real Estate Project Finance (3) credits
URBDP 578 Real Estate Development (4) credits
URBDP 580 Legal and Administrative Framework for Planning (3) credits
URBDP 585 Introduction to Historic Preservation Planning (3) credits
URBDP 586 Implementation in Preservation Planning (4) credits
URBDP 587 Preservation and Vernacular Environment (3) credits
URBDP 598 Transportation Policy (3) credits
URBDP 598 Land Use, Growth Management & Environmental Planning (3) credits
RE 598 Sustainable Development & Regional Economics (3) credits
ESRM 400 Natural Resource Conflict Management (3) credits
ESRM 460 Power, Privilege & Preservation (5) credits
ESRM 465 Economics of Conservation (3) credits
ESRM 470 Natural Resource Policy and Planning (5) credits
ESRM 485 Environmental Planning and Permitting in Practice (5) credits
SEFS 571/PUB POL 592 Resource Policy and Administration (4) credits
SEFS 592 Environmental Policy Processes (3-4) credits
FISH 461 Resource Economics for Management and Policy (3) credit
GEOG 467/LSJ 467 Law, Justice & the Environment (5) credits
GEOG 474 Geography and the Law (5) credits
GEOG 517 Geospatial Data Analysis (5) credits
SMEA 476/ENVIR 476 Introduction to Environmental Law & Process (3) credits

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

SMEA 511 Coastal Environment Management (3) credits
SMEA 521 Governmental Responses to Global Climate Change (3) credits
SMEA 530 Development and the Environment (3) credits
SMEA 537 Economic Aspects of Marine Policy (3) credits
SMEA 585 Climate Impacts on the Pacific Northwest (4) credits
G H 511 Problems in Global Health (1-4) credits
LAW A 525 Water Law (4) credits
LAW A 527 Environmental Law (4) credits
LAW A 529 Public Land Law (3) credits
LAW A 540 Land Use Planning Seminar (3) credits
LAW A 542 Land Law and the Urban Environment (3) credits
LAW A 545 International Environmental Law (3-4) credits
LAW B 529 Advanced Environmental Law and Practice (1-4) credits
LAW B 581/LAW 481 Land, American Culture and the Law: Perspectives on the Use & Ownership of the Natural Environment (1-6) credits
LAW B 585 Natural Resources Law (1-4) credits
LAW B 593 Natural Resources Commons Property (3) credits
LAW B 594 Public Land Law Seminar (2-6) credits
LAW E 596 Wildlife Law Seminar (3) credits
LAW E 597 Global Warming and Justice Seminar (4) credits
LAW E 598 Climate Change Law (3-4) credits

MEDIA // 3-6 credits, required

Advanced Digital Media* - Each student is required to take a minimum of 3 credits in the topic area of advanced digital media. The department annually offers Digital Media II (LARC 441) though approved courses may be substituted for this requirement. The student must demonstrate proficiency in Rhinoceros, Grasshopper and AutoCAD to be waived from the requirement. The Graduate Program Coordinator determines approval for substituted courses and waivers.

Waiver Requirement: To be waived, students must demonstrate proficiency in Rhinoceros, Grasshopper and AutoCAD.

Common Alternatives:

ARCH 481 3D Modeling and Rendering (3) credits

For those that were unable to take LARC 441 due to a study abroad program, they may independently enroll in two (2) online Rhinoceros courses (introduction and intermediate) and (1) Grasshopper (intermediate) through McNeel (see: <http://www.en.na.mcneel.com/>). In addition, they must demonstrate proficiency in AutoCAD or complete an independent LARC 441 AutoCAD assignment (in preparation for LARC 433 - Design Implementation). Students must present the GPC with the certificates of completion of McNeel Rhino courses as well as evidence of proficiency in AutoCAD or the complete independent LARC 441 AutoCAD assignment.

Media Selective* - A minimum of 3 credits is required for a media selective. The course (400-level +) may be selected from any class offering in the University, but requires approval by the Graduate Program Coordinator.

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

Common Courses:

ESRM 430 Remote Sensing of the Environment (5) credits
ARCH 410 Introduction to Architectural Photography (3-5) credits
ARCH 413 Architectural Photography Projects (3) credits
ARCH 415 Architectural Sketching (3) credits
ARCH 418 Watercolor Drawing (3) credits
ARCH 481 3D Modeling and Rendering (3) credits
ARCH 482 Web Weaving (3) credits
ARCH 487 Fundamentals of Building Information Modeling (BIM) (3) credits
ARCH 527 Introduction to Digital Design and Fabrication (3) credits
ARCH 528 Digital Design for Fabrication and Construction (3)
URBDP 404 Introduction to Geographic Information Systems (GIS) (3) credits
URBDP 422 Urban and Regional Geospatial Analysis (5) credits
URBDP 429/CEE 418 Computer-Aided Planning of Urban Systems
URBDP 467 Urban Planning Uses of Remote Sensing (3) credits
URBDP 504 Introduction to Geographic Information Systems (3) credits
URBDP 522 Urban and Regional Geospatial Analysis (5) credits
URBDP 573 Digital Design (4) credits
URBDP 598 Data Visualization
GEOG 360/GEOG 560 Principles of GIS Mapping (5) credits
GEOG 317/GEOG 517 Geographic Information and Spatial Analysis (5) credits
GEOG 465/GEOF 565 GIS Database and Programming (5) credits
SEFS 520 Geographic Information Systems in Forest Resources (5) credits
SEFS 533/ESRM 433 Airborne Lidar for Remote Sensing of Vegetation & Geomorphology (5) cr
SOC W 598 Digital Storytelling

CONSTRUCTION // 6 credits, required

Students are required to demonstrate proficiency in AutoCAD and construction documentation upon entering the program. If this is not accomplished, students will be required to take Design Implementation (LARC 433, 3 credits) in addition to the required credits in the construction sequence.

Grading and Drainage (LARC 331) – A required course for all students in the MLA II_Arch track, the objectives of this class are to provide basic proficiency in landform manipulation.

Soils/hydrology* - Each student is required to take a minimum of 3 credits in the topic area of soils/hydrology. The department annually offers Urban Soils + Hydrology (LARC 432) though approved courses may be substituted for this requirement. The Graduate Program Coordinator determines approval for substituted courses.

Common Alternatives:

SEFS 507 Soils and Land Use Problems (4) credits
SEFS 512 Biogeochemical Cycling in Soils and Forest Ecosystems (3) credits
SEFS 515 Advanced Soil and Plant Analysis (3) credits, even years
SEFS 523 Environmental Applications of Plants: Bioenergy and Bioremediation (3) credits
SEFS 525 Advanced Wildland Hydrology (4) credits
ESRM 413 Soil Genesis and Classification (5) credits
ESRM 426 Wildland Hydrology (4) credits

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

PLANTS // 6-8 credits, required

Plant Identification* - Each student is required to take a 3 – 5 credits (depending on class selected) in the topic area of plant identification. Through the Department of Environmental Science and Research Management, the department annually offers Plant Identification (ESRM 331) though approved courses or significant work experience may be substituted for this requirement. The Graduate Program Coordinator determines approval for substituted courses or waivers.

Waiver Requirements: To be waived, the student must provide evidence of having taken a previous plant identification course or to have been employed in a nursery for 12 months.

Common Alternatives:

BIOL 317 Plant Classification and Identification (5) credits

Advanced Planting Design (LARC 424) – A required course for all MLA II_Arch students, the objectives of this class are to provide fundamental knowledge of planting design and management specifications.

PROFESSIONAL PRACTICE // 3 credits, required

Professional Practice (LARC 473) – A required course for all MLA students, the objectives of this class are to provide foundational knowledge for how the professional field is structured and operates. The course may be waived based on previous professional experience. The Graduate Program Coordinator determines approval for substituted courses.

Waiver Requirement: To be waived, the student must demonstrate that they have been employed in a professional design office for no less than 12 months.

THESIS ELECTIVES // 12 credits, required

A minimum of 12credits is required for thesis electives. Each course (400-level +) may be selected from any class offering in the University. The courses are not restricted to any topic area to provide the student with flexibility to pursue their individual interests.

CAPSTONE // 12 credits, required

Please see the Capstone Guidelines for details regarding options and credit sequencing.

[MLA II_BLA] Curriculum Description

students with a previous degree in Landscape Architecture

Some requirements may shift based on previous academic and/or professional experience. The graduate program coordinator will determine specific curriculum requirements for each student.

STUDIOS // 24 credits, required

For the first four terms in the program, students are required to take an approved Advanced Studio course in each term. Three of the Advanced Studios must be taken through the Department of Landscape Architecture. Another may be taken as a Wildcard Studio through another department such as Architecture, Urban Design + Planning, or Art (400-level +).

Advanced Studio courses include Ecological Urbanism (LARC 501), Design Activism (LARC 502), Community Design (LARC 503), Landscape Urbanism (LARC 504), and Landscape + Art (LARC 507). Two Advanced Studios are offered each term through the department.

HISTORY + THEORY // 17 credits, required

Theory and Scholarship (LARC 570) – A required course for all MLA students, the objectives of this class are to examine the foundations to leading edge of theory and scholarship within the field and discipline.

Built Environment History* - Each student is required to take at minimum 5 credits of an approved history course(s). The department annually offers History of Landscape Architecture (LARC 552), and History of Modern Landscape Architecture (LARC 553) though other approved courses may be substituted for this requirement. Urban Environmental Histories (LARC 454) is offered bi-annually. The Graduate Program Coordinator and Thaisa Way determine approval for substituted courses.

Common Alternatives:

URBDP 564 Planning History, Theory, & Ethics (3) credits
URBDP 565 American Urban History (3) credits
ARCH 442 Africa and Middle East Seminar (3) credits
ARCH 445 South Asian Architecture I (3) credits
ARCH 446 South Asian Architecture II (3) credits
ARCH 452 History of Architecture in Seattle and Environs (3) credits
ARCH 453/ART H 419 Japanese Architecture (3) credits
ARCH 455/ART H 488 American Architecture (3) credits
ARCH 457/ART H 491 Twentieth-Century Architecture (3) credits
ARCH 458/ART H 494/JSIS A 433 Paris: Architecture & Urbanism (3) credits
ARCH 459/ART H 493 Architecture Since 1945 (3) credits
ARCH 541/ARCH 441 Visions of the Japanese House (3) credits
ARCH 556 The Arts & Crafts Movement & It's Legacies (3) credits
ARCH 558 Seminar in Twentieth-Century Architecture (3/5) credits
ARCH 559 American Utilitarian Architecture (3) credits
HSTAA 570 American Environmental History (5) credits

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

Socio-Political Dimensions of Design* – Each student is required to take a minimum of 3 credits in the topic area of social design. The department annually offers The Human Experience of Place (LARC 561) though approved courses may be substituted for this requirement. The Graduate Program Coordinator and Lynne Manzo determine approval for substituted courses.

Common Alternatives:

L ARCH 598 Politics of Public Space (3) credits
PSYCH 431/ESRM 413/ENVIR 431 Ecopsychology (5) credits
URBDP 538 Public Health and Built Environment (2) credits + (1) credit Indep. study

BioPhysical Ecology* - Each student is required to take a minimum of 3 credits in the topic area of biophysical ecology. The department annually offers Ecological Design + Planning (LARC 563) though approved courses may be substituted for this requirement. The Graduate Program Coordinator and Ken Yocom determine approval for substituted courses.

Common Alternatives:

ESRM 401 Spring Comes to the Cascades (3) credits
ESRM 441 Landscape Ecology (5) credits
ESRM 450 Wildlife Ecology & Conservation (5) credits
ESRM 458 Management of Endangered, Threatened & Sensitive Species (5) credits
ESRM 473 Restoration in North America (5) credits
ESRM 474/SEFS 474 Restoration Problem Solving: Ecological Engineering (5) credits
ESRM 479 Restoration Design (5) credits
ESRM 480 Landscape Plant Science & Sustainable Management (5) credits
SEFS 501 Forest Ecosystems - Community Ecology (5) credits
SEFS 523 Environmental Applications of Plants: Bioenergy & Bioremediation (3) credits
SEFS 525 Advanced Wildland Hydrology (4) credits
SEFS 526 Seminar in Advanced Silviculture (3) credits
SEFS 530 Introduction to Restoration Ecology (3-5) credits
SEFS 533/ESRM 433 Airborne Lidar for Remote Sensing of Vegetation & Geomorphology (5) cr
SEFS 541 Advanced Landscape Ecology (5) credits
SEFS 567 Topics in Advanced Ecology (3-6) credits
FISH 547/FISH 447 River Ecology and Watershed Management (3) credits
URBDP 598 Environmental Planning (3) credits
AIS 475 Indigenous Sustainability & Tribal Culture (5) credits

Research Methods* - Each student is required to take a minimum of 3 credits in the topic area of research methods. The department annually offers Landscape Architecture Research Methods (LARC 571) though approved courses may be substituted for this requirement. The Graduate Program Coordinator determines approval for substituted courses.

Common Alternatives:

ARCH 567 Qualitative Research Methods (3) credits
ARCH 588 Research Practice (3) credits
CM 535 Research Methods in Construction (3) credits
CM 590 Research Methods in Construction Engineering (2) credits
URBDP 519 Qualitative Research Methods (3) credits
URBDP 520 Quantitative Methods in Urban Design and Planning (4) credits

GEOG 525/GEOG 425 Advanced Qualitative Methods in Geography (5) credits
GEOG 526 /GEOG 426 Advanced Quantitative Methods in Geography (5) credits
FISH 560 Applied Multivariate Statistics for Ecologists (4) credits
SEFS 509 Analysis of Research Problems (3) credits
SOC WL 581 Qualitative Research Methods and Design (3) credits

LAW/FINANCE/POLICY* // 3 credits, required

A minimum of 3 credits is required in the topic area of law/finance/policy. The course (400-level +) may be selected from any class offering in the University, but requires approval by the Graduate Program Coordinator. The course must have objectives that relate to the design or management of built environments

Common Courses:

CM 500/ARCH 574 Design and Construction Law (3) credits
CM 423 Construction Law (3) credits
CM 540 Sustainable Construction (3) credits
CM 545 Real Estate Development (3) credits
URBDP 450 Introduction to Land Use, Growth Management & Environmental Planning (3) crs.
URBDP 536 Health Impact Assessment (2) credits + (1) credit independent study
URBDP 549 Hazard Mitigation Planning (3) credits
URBDP 550/R E 516 Introduction to Real Estate Economics/Market Analysis (4) credits
URBDP 553/R E 553 Urban Land Economics (4) credits
URBDP 554/R E 513 Real Estate Finance and Investment (4) credits
URBDP 557/R E 515 Real Estate Law (3) credits
URBDP 560 Inequality, Governance, & Policy in the Metropolitan Region (3-4) credits
URBDP 561 Urban Economics and Public Policy (3-4) credits
URBDP 566 Infrastructure and Community Facilities (4) credits
URBDP 577/R E 570 Real Estate Project Finance (3) credits
URBDP 578 Real Estate Development (4) credits
URBDP 580 Legal and Administrative Framework for Planning (3) credits
URBDP 585 Introduction to Historic Preservation Planning (3) credits
URBDP 586 Implementation in Preservation Planning (4) credits
URBDP 587 Preservation and Vernacular Environment (3) credits
URBDP 598 Transportation Policy (3) credits
URBDP 598 Land Use, Growth Management & Environmental Planning (3) credits
RE 598 Sustainable Development & Regional Economics (3) credits
ESRM 400 Natural Resource Conflict Management (3) credits
ESRM 460 Power, Privilege & Preservation (5) credits
ESRM 465 Economics of Conservation (3) credits
ESRM 470 Natural Resource Policy and Planning (5) credits
ESRM 485 Environmental Planning and Permitting in Practice (5) credits
SEFS 571/PUB POL 592 Resource Policy and Administration (4) credits
SEFS 592 Environmental Policy Processes (3-4) credits
FISH 461 Resource Economics for Management and Policy (3) credit
GEOG 467/LSJ 467 Law, Justice & the Environment (5) credits
GEOG 474 Geography and the Law (5) credits
GEOG 517 Geospatial Data Analysis (5) credits
SMEA 476/ENVIR 476 Introduction to Environmental Law & Process (3) credits

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

SMEA 511 Coastal Environment Management (3) credits
SMEA 521 Governmental Responses to Global Climate Change (3) credits
SMEA 530 Development and the Environment (3) credits
SMEA 537 Economic Aspects of Marine Policy (3) credits
SMEA 585 Climate Impacts on the Pacific Northwest (4) credits
G H 511 Problems in Global Health (1-4) credits
LAW A 525 Water Law (4) credits
LAW A 527 Environmental Law (4) credits
LAW A 529 Public Land Law (3) credits
LAW A 540 Land Use Planning Seminar (3) credits
LAW A 542 Land Law and the Urban Environment (3) credits
LAW A 545 International Environmental Law (3-4) credits
LAW B 529 Advanced Environmental Law and Practice (1-4) credits
LAW B 581/LAW 481 Land, American Culture and the Law: Perspectives on the Use & Ownership of the Natural Environment (1-6) credits
LAW B 585 Natural Resources Law (1-4) credits
LAW B 593 Natural Resources Commons Property (3) credits
LAW B 594 Public Land Law Seminar (2-6) credits
LAW E 596 Wildlife Law Seminar (3) credits
LAW E 597 Global Warming and Justice Seminar (4) credits
LAW E 598 Climate Change Law (3-4) credits

MEDIA // 3-6 credits, required

Advanced Digital Media* - Each student is required to take a minimum of 3 credits in the topic area of advanced digital media. The department annually offers Digital Media II (LARC 441) though approved courses may be substituted for this requirement. The student must demonstrate proficiency in Rhinoceros, Grasshopper and AutoCAD to be waived from the requirement. The Graduate Program Coordinator determines approval for substituted courses and waivers.

Waiver Requirement: To be waived, students must demonstrate proficiency in Rhinoceros, Grasshopper and AutoCAD.

Common Alternatives:

ARCH 481 3D Modeling and Rendering (3) credits

For those that were unable to take LARC 441 due to a study abroad program, they may independently enroll in two (2) online Rhinoceros courses (introduction and intermediate) and (1) Grasshopper (intermediate) through McNeel (see: <http://www.en.na.mcneel.com/>). In addition, they must demonstrate proficiency in AutoCAD or complete an independent LARC 441 AutoCAD assignment (in preparation for LARC 433 - Design Implementation). Students must present the GPC with the certificates of completion of McNeel Rhino courses as well as evidence of proficiency in AutoCAD or the complete independent LARC 441 AutoCAD assignment.

Media Selective* - A minimum of 3 credits is required for a media selective. The course (400-level +) may be selected from any class offering in the University, but requires approval by the Graduate Program Coordinator.

Common Courses:

ESRM 430 Remote Sensing of the Environment (5) credits
ARCH 410 Introduction to Architectural Photography (3-5) credits
ARCH 413 Architectural Photography Projects (3) credits
ARCH 415 Architectural Sketching (3) credits
ARCH 418 Watercolor Drawing (3) credits
ARCH 481 3D Modeling and Rendering (3) credits
ARCH 482 Web Weaving (3) credits
ARCH 487 Fundamentals of Building Information Modeling (BIM) (3) credits
ARCH 527 Introduction to Digital Design and Fabrication (3) credits
ARCH 528 Digital Design for Fabrication and Construction (3)
URBDP 404 Introduction to Geographic Information Systems (GIS) (3) credits
URBDP 422 Urban and Regional Geospatial Analysis (5) credits
URBDP 429/CEE 418 Computer-Aided Planning of Urban Systems
URBDP 467 Urban Planning Uses of Remote Sensing (3) credits
URBDP 504 Introduction to Geographic Information Systems (3) credits
URBDP 522 Urban and Regional Geospatial Analysis (5) credits
URBDP 573 Digital Design (4) credits
URBDP 598 Data Visualization
GEOG 360/GEOG 560 Principles of GIS Mapping (5) credits
GEOG 317/GEOG 517 Geographic Information and Spatial Analysis (5) credits
GEOG 465/GEOF 565 GIS Database and Programming (5) credits
SEFS 520 Geographic Information Systems in Forest Resources (5) credits
SEFS 533/ESRM 433 Airborne Lidar for Remote Sensing of Vegetation & Geomorphology (5) cr
SOC W 598 Digital Storytelling

CONSTRUCTION // 3 credits, required

Students are required to demonstrate proficiency in AutoCAD and construction documentation upon entering the program. If this is not accomplished, students will be required to take Design Implementation (LARC 433, 3 credits) in addition to the required credits in the construction sequence.

Soils/hydrology* - Each student is required to take a minimum of 3 credits in the topic area of soils/hydrology. The department annually offers Urban Soils + Hydrology (LARC 432) though approved courses may be substituted. The Graduate Program Coordinator determines approval for substituted courses.

Common Alternatives:

SEFS 507 Soils and Land Use Problems (4) credits
SEFS 512 Biogeochemical Cycling in Soils and Forest Ecosystems (3) credits
SEFS 515 Advanced Soil and Plant Analysis (3) credits, even years
SEFS 523 Environmental Applications of Plants: Bioenergy and Bioremediation (3) credits
SEFS 525 Advanced Wildland Hydrology (4) credits
ESRM 413 Soil Genesis and Classification (5) credits
ESRM 426 Wildland Hydrology (4) credits

PLANTS // 3 credits, required

| (*) indicates a topic area requirement. Select courses may be used to fulfill credit requirements.

A total of three credits of plant related topics are required at the 400+ level. The department offers Advanced Planting Design (LARC 424) that provides fundamental knowledge of planting design and management specifications though approved classes may be substituted. The Graduate Program Coordinator determines approval for substituted courses.

Common Alternatives:

- ESRM 411 Plant Propagation: Principles and Practice (3) credits
- ESRM 412 Native Plant Production (3) credits
- ESRM 415 Biology, Ecology, and Management of Plant Invasions (5) credits
- ESRM 478 Plant Ecophysiology (5) credits
- SEFS 501 Forest Ecosystems - Community Ecology (variable) credits
- SEFS 524 Current Topics in Phytoremediation (2) credits

PROFESSIONAL PRACTICE // 3 credits, required

Professional Practice (LARC 473) – A required course for all MLA students, the objectives of this class are to provide foundational knowledge for how the professional field is structured and operates. The course may be waived based on previous professional experience. The Graduate Program Coordinator determines approval for substituted courses.

Waiver Requirement: To be waived, the student must demonstrate that they have been employed in a professional design office for no less than 12 months.

THESIS ELECTIVES // 12 credits, required

A minimum of 12credits is required for thesis electives. Each course (400-level +) may be selected from any class offering in the University. The courses are not restricted to any topic area to provide the student with flexibility to pursue their individual interests.

CAPSTONE // 12 credits, required

Please see the Capstone Guidelines for details regarding options and credit sequencing.