

Program	College	Total Degrees / Graduates 2010- 2015	Total students currently in major (2015 #'s)	Dean's recommendation	AA recommendation
M.S. Botany	A&S	20	11	Maintain M.S. Botany.	Concur Program is critical to maintain as service to the state, feeder to Program in Ecology PhD program, the Herbarium, and teaching in the Life Science program.
B.S. Chemistry (ACS)	A&S	27	24	Maintain the ACS B.S. degree in Chemistry; rigorous track designed to retain highest achieving CHEM students	Concur This option attracts the strongest CHEM students.
M.S. Mathematics	A&S	24	6	Maintain M.S. Mathematics Dept has recently instated policy to have all PhD Mathematics students obtain MS as benchmark along route to degree;	Concur PhD is critical to instructional capacity at UW in numerous areas, including USP.
B.A. Music	A&S	35	26	Maintain triad of B.A. in Music, B.M. in Performance, and B.M. in Music Education; accrediting agency, NASM (National Association of Schools of Music), makes distinction of having three separate degrees at its top quality institutions. One degree with three options is found at smaller, much lower prestige (lower quality) schools	Concur Structure is low cost and maintains prestige of program
Bachelors of Music in Performance	A&S	33	32	As above	Concur Structure is low cost and maintains prestige of program
B.A. Philosophy	A&S	28	21	M.A. degree should be discontinued and the focus directed to the B.A. B.A. degree should be strengthened in part by adding some amount of structure—common experiences—to the first two years. A comparator study of other philosophy B.A. degrees from universities with highly ranked philosophy departments should be instructive. Look carefully at how they might contribute to other programs in terms of <u>required courses as well</u> ; <u>Merging of this department with other units is also recommended</u>	Concur Strengthen and maintain BA Philosophy Recommend examination of consolidation of business and admin services across similar units
B.S. Physics	A&S	45	36	Maintain B.S. in Physics	Concur Critical to science education at UW
B.A. Religious Studies	A&S	32	26	Maintain B.A. in Religious Studies Increase enrollment in courses. Add the final on-line course so that another degree can be added to our Outreach repertoire. The department's small number of faculty (six) is a concern. Strong consideration should be given to joining a larger administrative group (through a merger or division structure).	Concur Recommend consolidation of similar units to share business and admin services
M.S. Sociology	A&S	19	8	Discontinue the M.A. Sociology program and concentrate on the B.A. Sociology program	Concur Redirect efforts to concentrate on BA, forge new connections with other units for external research support.
M.A. Spanish	A&S	25	11	Maintain M.A. Spanish	Concur Program critical to land grant mission and support to K-12 system
M.S. Statistics	A&S	20	10	As proposed in Round One, recommend renovated B.S. in Statistics, consideration of closure of the Ph.D., and renewed emphasis on the M.S., with discussion of a departmental merger in the future (with MATH for example)	Concur Recommend renovated B.S. program, reinvigorated M.S. program, closure of PhD and merger with MATH to create a more broad program. In addition, perhaps in future years with restructuring, a more interdisciplinary Data Sciences PhD can be proposed within the merger context.
B.S. Agricultural Communications	ANR	36	40	Maintain B.S. Agricultural Communications with further review in three years	Concur Review program again 2019
M.S. Agronomy	ANR	23	15	Maintain M.S. Agronomy	Concur. Review program again in 2018. The dept of Plant Science moved to rename their degrees to MS and PhD in Plant Science with the aim of enhancing recruitment – this should be enacted soon. The dept. has also had recent hires that may shift the trajectory of the graduate program. This dept could be collaborating with Botany on the MS in Plant Sciences. Their courses also contribute to Agroecology undergrad degree as many are dual listed- the program is changing and deserves a chance to demonstrate change. The MS in Plant sciences might have collaborative potential with Molecular Biology and/or Botany.
				Maintain M.S. Molecular Biology	Concur – but strongly encourage collaborative arrangements or perhaps the use of a broad MS as a fall-back degree for several degrees.

M.S. Molecular Biology	ANR	18	2	Explore synergies with other units producing MS students much as they have with the interdepartmental "MCLS" PhD program	MS Molecular Biology is a difficult to separate from the MCLS doctoral program- in coursework, faculty and research funding and productivity-but most departmental and program resources are directed to the doctoral MCLS program. There should be an effort to strengthen the master's degree.. The enrollment currently in the MS program is too low to warrant a maintain without at least considering some form of reinvigoration and/or collaborations.
M.S. Soil Sciences	ANR	12	5	Maintain M.S. Soil Science  Encourage exploring the use of the MS program as a pipeline to PhD program.  In addition, the department is encouraged to look for efficiencies in offering all of its MS programs, perhaps through creating options within the overall MS	Concur - maintain and review again in 2018.  An overall MS in Ecosystem Sciences will be difficult to initiate, as the MS Rangeland Ecology degree requires specific curricula (because of their accreditation) but might be viable.  The Soils degree contributes to soils field staff in all federal agencies, is a pipeline to many other interdisciplinary doctoral degrees (Program in Ecology, REWM, Hydrology). The program is in transition from retirements and new faculty hires are just initiating their research and student recruitment. The program contributes to many undergraduate and graduate degrees and most courses are dual listed. Because the soils program was recently reinvigorated with new faculty hires, revisit review within 2 years.
B.S. Business Economics	COB	31	47	Maintain B.S. Business Economics	Concur Track provides in-demand second major option for multiple College of Business majors.
M.S. Atmospheric Science  PhD Atmospheric Science	EAS	MS = 18  Ph.D. = 8	MS = 18  PhD = 11	Retain both, additional review at beginning of FY 19 coinciding with renewal of NSF cooperative agreement for ops of research aircraft flight center, with following criteria:  1. Show consistent increase in graduate student enrollment in these programs and increases in student credit hours taught by faculty within the department.  2. Flight center separate operations of the research aircraft from the UW transportation aircraft, and develop and implement a MOU to permit synergies and cost sharing between research and transportation aircraft flight operations and maintenance.  3. Develop plans for existing research aircraft refurbishment or new aircraft acquisition in a manner that does not require state support to implement.  4. Continue to implement a research strategy that does not require direct state support with the exception of occasional bridge funding.  research aircraft flight center.	Concur  Additional review in 2019 with criteria cited by Dean
Ph.D. Civil Engineering	EAS	10	20	Maintain PhD in Civil Engineering	Concur Mission critical for state workforce and economic development.
Ph.D. Computer Science	EAS	8	11	Maintain PhD in Computer Science	Concur Mission critical and part of Governor's priority to support state economic diversification.
B.S. Computer Engineering	EAS	35	65	Maintain BS in Computer Engineering	Concur Mission critical and part of Governor's priority to support state economic diversification.
M.S. Environmental Engineering	EAS	20	3	Recommend elimination due to lack of student demand and the loss of several key faculty members in this area over the last few years	Concur Eliminate due to lack of student demand
B.S. Energy Systems Engineering	EAS	40	32	Recommend elimination due to consistently low enrollment	Concur Eliminate due to lack of student demand; this program was a pioneer in the field, but competition has stiffened and demand for UW program has tapered off
Ph.D. Mechanical Engineering	EAS	8	25	Maintain PhD in ME	Concur Mission critical in maintaining workforce in the state Tire 1 effort.
M.S. Petroleum Engineering Ph.D. Petroleum Engineering	EAS	MS = 25  PhD = 21	MS = 11  PhD = 32	Maintain both graduate programs due to high state need and continued industry demand	Concur Recommend review again in 2018 to get full sense of impact of change in departmental structure after separation form Chemical Engineering
Masters and Ph.D Adult and Post-Secondary Education	CoEd	Masters = 49  PhD = 20	Masters = 25  EdD = 33  PhD = 5	Eliminate the Adult and Post-Secondary Education program. Redeploy remaining resources to strengthen alternative offerings in Higher Education Administration or in Curriculum and Instruction	Concur Program resource redeployment will allow for modernization of programs to serve state better.
				Maintain BS Ag Ed	Concur.

B.S. Secondary Ed Agricultural Education	CoEd	30	15	Investigate moving to a concurrent major in agriculture with the College of Agricultural and Applied Sciences. Develop a vigorous recruitment and enrollment management plan, consider a rolling two year cohort admissions and program delivery model, and create 2+2 articulation agreements with Wyoming's community colleges to smooth transfer students' entering and completing this program in a timely manner	Recommend strongly an investigation of concurrent major in Agriculture; discussion with Dean of Agriculture and Applied Science should commence
B.A. Secondary Ed Art Education	CoEd	32	21	Eliminate BA Art Ed. Work with Art department in A&S to offer concurrent major in conjunction with the College of Education with the Visual Art Department teaching the art education methods courses within their own unit somewhat similar to that which is done in	Concur Strongly encourage initiation of discussions with A&S and Art Department to stand up program similar to Music Education option.
B.A. Secondary Ed Modern Languages Ed	CoEd	12	17	Eliminate BA Modern Language Education program and forfeit current funds invested in faculty to the FY 2018 budget reductions required by the state. Secondary Education Department and College of Education will work with the Department of Modern and Classical Languages to	Concur Strongly encourage initiation of discussions with A&S and Modern and Classical Languages to stand up programs for K-12 workforce needs
B.S. Secondary Ed Technical Education	CoEd	15	7	Eliminate BS Tech Ed program due to low program demand. Initial recommendation was retain program and merge with Ag Ed. Upon closer examination, UW Laramie is not equipped to provide facilities to support Tech Ed program, and UW-C is ill equipped to provide access to labs and ag coursework needed in Ag Ed. Alternative route for state for Career Tech Ed courses	<i>Revisited from Round One</i> Concur This is an extremely difficult decision but given the alternative route available for K-12 CTS instructional capacity, it is prudent.
Science and Math Teaching Center	CoED and A&S	Masters = 78 Middle level science = 24, Middle level math = 15 Natural science education = 39		Shutter and reconfigure with broader role in STEM education integrated with the Education, Science, and Engineering Initiatives as University P-16 STEM Education Center. Relocate masters degree programs into existing academic departmental homes.	Concur  Examine rehomeing masters degrees to appropriate academic departments.  Use this opportunity to configure a cogent University P-16 STEM Education Center dovetailing with Science, Engineering, and Education Initiatives. Examine relocating Wyoming State Science Fair line to this reconfigured center, or to the Science Initiative.

Updated 10/19/16

UW Academic Program Review Round Two – Summary and Academic Affairs Recommendations Bachelors programs with <50 degrees awarded 2010-2015; Masters programs with < 25 degrees awarded 2010-2015; PhD and other programs at Dean's discretion