

**Montana University System**  
**PROGRAM REVIEW**

Institution: **University of Montana**

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Program Years: **2013-2019**

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**List of the programs reviewed:**

- C.A.S. in Culinary Arts
- Davidson Honors College
- Geosciences
- International Development Studies
- Native American Studies
- Philosophy
- Physics and Astronomy
- Public Administration
- Speech, Language, Hearing and Occupational Sciences (SLHOS)

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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all programs and options

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

See rationale in individual program review forms (attached).

**Montana University System**  
**PROGRAM REVIEW**

Institution: **University of Montana – Missoula**

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Program Years: **2013-2019**

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**List of the programs reviewed:**

Culinary Arts C.A.S.

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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all degrees and programs.

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

The Culinary Arts program at the University of Montana successfully completed a review by the American Culinary Federation Education Foundation in October 2019. The accreditation reviewers found the following strengths within the program: 1) The program has streamlined the curriculum to match competencies for the certificate and the degree, and has added extracurricular courses to the Associates degree to bolster business-related aspects of the field; 2) The program has grown its partnerships in the Missoula community, such as involvement with the Food Bank, and maintains strong relationships with donors and backing from community members; 3) Faculty expertise is very strong and two faculty members are certified with the American Culinary Association, which is uncommon among Montana’s culinary community; 4) The program’s facility is state-of-the-art and brings great distinction while serving students and the community well.

While displaying great strength, the program has identified a few goals to ensure it continues to offer the best-possible experience for students: 1) Emphasize education over production in the curriculum, and focus on mastering introductory competencies before tackling advanced techniques; 2) Continue to build programmatic assessment efforts, such as gathering alumni data and surveys of graduates’ employers; 3) Offer micro-credentials in culinary arts for individuals in the community who are not seeking a full degree; 4) Enhance collaboration with other units to provide innovative offerings, such as a certificate in nutrition, credential in food styling, or option in sales and marketing.

The number of majors and graduates is given below.

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Major	Degree	Degrees Conferred						
		FY14	FY15	FY16	FY17	FY18	FY19	FY20
Culinary Arts	CERT	15	13	9	8	1	0	0
Culinary Arts	CERTAS	0	0	0	0	2	8	9

Major	Degree Level	Fall Census Headcounts						
		Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
Culinary Arts	CERT	12	2	13	18	2	2	0
Culinary Arts	CERTAS	0	0	0	0	25	33	31

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## PROGRAM REVIEW

Institution: **University of Montana – Missoula**

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Program Years: **2011-2019**

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### List of the programs reviewed:

Davidson Honors College

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### Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

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### Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Davidson Honors College (DHC) completed a self-study in September 2019 and Dr. Andrew Finstuen, Dean of the Honors College at Boise State University, conducted an external review in October. Both the self-study and external review report highlight the DHC's numerous areas of strength: 1) The leadership and staff of the DHC demonstrate a high level of effectiveness and efficiency, and achieve impressive outcomes by working as a team; 2) The Career Development program offers highly personalized support and extensive opportunities, and is one of few such programs across the country; 3) The Teaching, Research, and Mentoring (TRM) Fellows Programs is similarly distinctive, and benefits the Fellows and honors students alike. 4) Another unique initiative within the DHC is Quest, which gives students the chance to connect to the Missoula community, positively impacts retention, and gives students a sense of belonging; 5) External support and engagement with the program has been strong, which allows the DHC to be innovative and flexible; 6) Student engagement at the DHC also is impressive, and the College provides accessibility to a wider range of opportunities than most honors colleges, particularly in environmentally-focused areas.

To enhance and improve the offerings of the program, the DHC will pursue the following goals: 1) Update the mission, vision, values, and strategic plan for the DHC in an effort to achieve greater coherency among these interrelated parts; 2) Work with the DHC Curriculum Committee to create a more intentional and strategic curriculum for the coming years, and increase focus on general faculty development and assessment of faculty quality; 3) Build upon the emerging DHC/MOLLI relationship, looking for more innovative ways to connect Honors students with these lifelong learners; 4) Increase the diversity focus with the DHC through enhanced recruitment, enhanced scholarships, and enhanced academic programs.

The number of majors and graduates is given below.

All Majors	2012	2013	2014	2015	2016	2017	2018
Honors	520	535	598	707	709	744	747

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Term	Term Desc	University Scholar Graduates
201270	Fall 2012	12
201330	Spr 2013	79
201350	Smr 2013	6
201370	Fall 2013	6
201430	Spr 2014	59
201450	Smr 2014	3
201470	Fall 2014	9
201530	Spr 2015	58
201550	Smr 2015	3
201570	Fall 2015	7
201630	Spr 2016	73
201650	Smr 2016	1
201670	Fall 2016	16
201730	Spr 2017	77
201750	Smr 2017	6
201770	Fall 2017	17
201830	Spr 2018	57
201850	Smr 2018	3
201870	Fall 2018	12
201930	Spr 2019	90

**Montana University System**  
**PROGRAM REVIEW**

Institution: **University of Montana – Missoula**

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Program Years: **2011-2019**

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**List of the programs reviewed:**

Geosciences minor

Geosciences B.S., with options in:

- Earth Science Education

International Field Geosciences B.S.

Geosciences M.S.

Geosciences Ph.D., with options in:

- Applied Geosciences
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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all degrees and programs.

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

The Department of Geosciences completed a self-study in September 2019 and their external reviewer, Dr. James E. Pizzuto of the University of Delaware, visited campus in November. Based on the self-study and external review report, Geosciences displays significant strengths: 1) The Department provides a great learning environment for undergraduates, with a high level of undergraduate research and a strong capstone experience; 2) The graduate program and research productivity are excellent, with particular emphasis in international and interdisciplinary research areas; 3) Faculty have done well in attracting external resources from a wide range of sources; 4) The Department is well represented in service across the university, making contributions that are very meaningful to the institution as a whole.

To enhance and improve the offerings of the program, Geosciences will focus on a few action steps: 1) Continue to update the curriculum to revitalize undergrad numbers in majors and general education classes, including diversification of freshman-level courses, developing a new accessible sequence at the 200 level, new courses at the 300 and 400 levels, a research capstone for undergrads, and a reorganization of the Department's majors (approved by BOR in Spring 2020); 2) Work with UMOonline to offer extended credits for the University NAVSTAR Consortium (UNAVCO) short courses, and strengthen the partnership with

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UNAVCO; 3) Enhance communications with undergraduates and high school students to let them know about job possibilities and how they can be problem solvers in society with a Geosciences degree.

The number of majors and graduates is given below.

Major	Degree	Degrees Conferred						
		FY14	FY15	FY16	FY17	FY18	FY19	FY20
Geosciences	BS	25	17	19	12	12	9	11
International Field Geos Dual	BS	1	2	3	2	1	0	0
Geosciences	MS	5	4	6	6	4	9	4
Geosciences	PHD	0	3	3	0	0	1	1

Major	Degree Level	Fall Census Headcounts						
		Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
Geosciences	BS	108	98	73	69	54	63	48
International Field Geos Dual	BS	3	1	1	0	0	0	0
Geosciences	MS	13	11	11	12	15	15	15
Geosciences	PHD	13	11	7	6	9	6	11
Applied Geoscience	PHD	1	0	0	0	0	0	0

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Institution: **University of Montana – Missoula**

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Program Years: **2013-2019**

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**List of the programs reviewed:**

International Development Studies minor

International Development Studies graduate certificate

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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all degrees and programs.

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

International Development Studies (IDS) completed a self-study in June 2019 and Gwen K. Young, Distinguished Fellow at the Wilson Center, completed an external review of the program in January 2020. The IDS program displays significant strengths: 1) Student advising and mentoring in the program is very strong, with faculty providing insightful guidance and connections to future career opportunities, particularly in connection with the Peace Corps; 2) Curricular emphases/innovations such as the Evaluation and Monitoring course and the Social and Behavioral Change and Communication course strongly orient the program towards the job market; 3) The interdisciplinary nature of IDS has been a central feature of the programs since its inception, with the colleges of Forestry, Business, Humanities and Sciences, and Health represented.

To enhance and improve the offerings of the program, IDS will focus on the following goals: 1) Explore the creation of an External Advisory Board, which would benefit from having clear guidelines and an agenda for tasks (such as recruitment and marketing); 2) Identify where and how to promote IDS to prospective students; 3) Build stronger bridges with other interdisciplinary efforts on campus through the Communities of Excellence and the International Council.

The number of majors and graduates is given below.

International Development Studies		Degrees Conferred						
Major	Degree	FY12	FY13	FY14	FY15	FY16	FY17	FY18
International Development Studies	Minor	30	24	19	30	27	15	18



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		Fall Census Headcounts						
All Majors	Degree	2013	2014	2015	2016	2017	2018	2019
International Development Studies	Minor	73	72	59	52	44	47	29

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Institution: **University of Montana – Missoula**

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Program Years: **2010-2019**

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**List of the programs reviewed:**

Native American Studies minor

Native American Studies certificate

Native American Studies B.A.

Language Rejuvenation and Maintenance certificate

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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all degrees and options.

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

Native American Studies (NAS) completed a self-study in December 2018 and Jeane T'áaw xíwaa Breinig, Associate Vice Chancellor for Alaska Natives and Diversity at the University of Alaska Anchorage, completed an external review of the program in March 2019. The NAS program displays significant strengths: (1) strong research accomplishments, including supporting related research across campus; (2) high-quality curriculum which serves NAS majors well, and delivery of many General Education courses; (3) exceptional service and consulting to tribal and rural communities around the state and outside UM's campus, particularly in Indigenous language training; (4) the NAS scholarship program is an incredibly important resource for students, including those who are not in the NAS department.

To enhance and improve the offerings of the program, NAS will focus on the following goals: (1) implement and grow the American Indian Governance and Policy Institute, with its multidisciplinary focus; (2) explore the most effective way to fulfill the Eloise Cobell vision for curriculum and research; (3) continue to focus on the strength of the NAS undergraduate program while exploring the Indigenous Studies PhD.

The number of majors and graduates is given below.

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**Appendix 3. Academic Unit Data**

		Degrees Conferred						
Major	Degree	FY12	FY13	FY14	FY15	FY16	FY17	FY18
Language Rejuvenation and Maintenance	Certificate	0	0	0	0	1	0	0
Native American Studies	Bachelor	8	7	12	7	5	6	1
		Fall Census Headcounts						
All Majors	Degree Level	2011	2012	2013	2014	2015	2016	2017
Native American Studies	Bachelor	38	42	31	26	24	22	19

**Montana University System**  
**PROGRAM REVIEW**

Institution: **University of Montana – Missoula**

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Program Years: **2010-2019**

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**List of the programs reviewed:**

Philosophy B.A.

Environmental Philosophy M.A.

Philosophy M.A., with options in:

- Environmental Ethics

Philosophy minor

Environmental Ethics graduate certificate

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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all degrees and programs.

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

The Department of Philosophy completed a self-study in December 2018 and their external reviewer, Dr. Katie McShane of Colorado State University, visited campus in April 2019. Based on the self-study and external review report, Philosophy displays significant strengths: 1) the research productivity of the faculty is strong and many faculty are also involved in editing and peer review; 2) the department has a deep commitment to advising and student support, and has recently implemented an innovative mentoring program; 3) the curriculum is broad and diverse, providing many opportunities in general education, as well as several areas of distinction, such as environmental sustainability and the recently established environmental ethics certificate; 4) the collegiality and mutual support among faculty is a model for other departments, and the department has effective leadership.

To enhance and improve the offerings of the program, Philosophy will focus on a few action steps: 1) increase undergraduate majors through improved outreach/marketing and scheduling that avoids overlap with other highly enrolled classes; 2) grow the number of graduate students, and provide mentoring and alternatives for students who are not planning to be part of the professoriate; 3) partner more with the Civic Engagement Project, and explore removing the thesis requirement; 4) consider the possibility of a stronger partnership with Environmental Studies.

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**PROGRAM REVIEW**

The number of majors and graduates is given below.

		Degrees Conferred						
Major	Degree	FY12	FY13	FY14	FY15	FY16	FY17	FY18
Philosophy	Minor	3	5	2	2	5	1	1
Philosophy	Bachelor	12	6	11	11	11	10	7
Philosophy	Master	2	4	3	2	3	4	5

		Concentration Degrees Conferred						
Major	Degree	FY12	FY13	FY14	FY15	FY16	FY17	FY18
Philosophy	Minor	3	5	2	2	5	1	1
Philosophy	Bachelor	12	6	11	11	11	10	7
Philosophy	Master	2	4	3	2	3	4	5

		Fall Census Headcounts						
All Majors	Degree Level	2011	2012	2013	2014	2015	2016	2017
Philosophy	Minor	22	19	19	17	20	16	21
Philosophy	Bachelor	40	61	53	50	44	40	34
Philosophy	Master	9	9	8	6	6	8	8

**Montana University System**  
**PROGRAM REVIEW**

Institution: University of Montana – Missoula

Program Years: 2013-2019

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**List of the programs reviewed:**

Physics minor

Astronomy minor

Physics B.A., with options in:

- Astronomy
  - Computational Physics
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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all degrees and options.

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

The Department of Physics and Astronomy completed a self-study in October 2019 and their external reviewer, Dr. C. Wesley Walter of Denison University, visited campus in November. Based on the self-study and external review report, Physics and Astronomy displays significant strengths: (1) the department's commitment to high-quality experiential learning is exceptional, and the quality of and success of the program's students are very high; (2) the number of physics majors has grown over the past few years, leading to lively discussions and good classroom atmospheres; (3) research productivity is strong, with specific grants related to NASA, the Minerva Project, and a Fulbright award; (4) faculty service on University committees and initiatives has been excellent.

To enhance and improve the offerings of the program, Physics and Astronomy will work to (1) strengthen the 2+2 pre-engineering track, and develop a formal A.S. degree in this area; (2) explore greater connections with Geosciences in the area of planetary science; (3) prioritize astronomy and astrophysics in the next faculty search; (4) provide strong training for the undergraduate TA's and learning assistants.

The numbers of majors and graduates are given below.

**Montana University System**  
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<b>Physics &amp; Astronomy</b>		<b>Degrees Conferred</b>						
<b>Major</b>	<b>Degree</b>	<b>FY12</b>	<b>FY13</b>	<b>FY14</b>	<b>FY15</b>	<b>FY16</b>	<b>FY17</b>	<b>FY18</b>
Astronomy	Minor	1	1					
Physics	Minor	1	1	1	3	1	1	1
Physics and Astronomy	BA		8	10	7	12	15	16
Physics	BA-Astronomy option		3	2	2	4	6	3
Physics	BA-Computational Physics option			1		1		1

		<b>Fall Census Headcounts</b>						
<b>All Majors</b>	<b>Degree Level</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
Astronomy	Minor	3	3	2	3	5	4	4
Physics	Minor	3	1	6	6	5	4	2
Physics and Astronomy	BA	72	71	69	74	78	78	77
Physics	BA-Astronomy option	17	18	23	20	29	25	30
Physics	BA-Computational Physics option	3	2	4	7	6	5	10

# Montana University System

## PROGRAM REVIEW

Institution: University of Montana – Missoula

Program Years: 2018-2019

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### List of the programs reviewed:

Public Administration M.P.A.

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### Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

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### Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Public Administration program successfully achieved accreditation with the Network of Schools of Public Policy, Affairs, and Administration (NASPAA) in spring 2019. The accreditation report highlights a number of areas of strength: 1) enrollment in the program has been very strong, and the MPA is currently the second largest graduate program at UM; 2) the trailblazing integration with the School of Law has provided many benefits and opportunities for collaboration; 3) innovative incorporation of technology has allowed access and learning for students across the state and region; 4) the accreditation review was incredibly successful, and the program received a glowing review from the accrediting body.

To enhance and improve the offerings of the program, the Public Administration program will pursue the following goals: 1) explore hiring an advisor to help with the very demanding advising load; 2) explore a joint hire between the MPH and MPA.

The number of majors and graduates is given below.

		Fall Census Headcounts	
Degree	Name	FY18	FY19
MPA	Public Administration	81	85
		Degrees Conferred	
Degree	Name	FY18	FY19
MPA	Public Administration	35	38



**Montana University System**  
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Institution: **University of Montana – Missoula**

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Program Years: **2017-2019**

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**List of the programs reviewed:**

Communicative Sciences and Disorders minor

Communicative Sciences and Disorders B.A.

Speech Language Pathology M.S.

Speech, Language, and Hearing Sciences Ph.D.

Communicative Sciences and Disorders leveling post-baccalaureate certificate

Speech Language Pathology Audiology Assistant certificate

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**Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:**

Retain all degrees and options.

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**Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.**

The Speech, Language, Hearing, and Occupational Sciences (SLHOS) program at the University of Montana successfully completed a review by the Council on Academic Accreditation in Audiology and Speech-Language Pathology in August 2019. The accrediting body gave SLHOS a virtually perfect accreditation review, with no formal recommendations received on the 200 required standards. The report highlighted a few key strengths: 1) Since 2015, the graduate enrollment has increased by 54%, and SLHOS has approximately 300 applications yearly for acceptance into 35 open graduate spots; 2) Student outcomes are very strong, with high retention (over 95%) and job placement rates; 3) SLHOS has implemented outstanding innovations related to its clinical support model, telepresence, and stackable credentials through the online leveling program; 4) The program's response and community outreach related to COVID-19 has been outstanding.

To enhance and improve its offerings, SLHOS will pursue work with the Dean of the College of Health and the Office of the Provost to contextualize its budget needs as they relate to the School's growth and accreditation requirements.

The number of majors and graduates is given below.

**Montana University System**  
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Major	Degree	Degrees Conferred						
		FY14	FY15	FY16	FY17	FY18	FY19	FY20
Commun Sci & Disorders	MINOR	0	0	0	0	0	1	0
Commun Sci & Disorders	BA	25	31	27	22	19	30	18

Major	Degree Level	Fall Census Headcounts						
		Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
Commun Sci & Disorders	MINOR	0	0	0	0	0	1	1
Commun Sci & Disorders	BA	130	118	115	107	90	84	79
Commun Sci & Disorders	MA	0	0	0	2	0	0	0
Speech Language Hearing Sci	PHD	0	0	0	0	0	0	2