



## Report on University of Alaska e-Learning

Board of Regents Meeting, Academic and Student Affairs Committee  
December 12-13, 2013 Fairbanks, Alaska

### Executive Summary

In FY13, about half of the system's distinct degree, certificate and endorsement programs could be completed at least 50 percent via e-Learning. Of these, about half are available completely via e-Learning. Universities in the UA system delivered almost 1,600 distinct e-Learning courses in FY13, 35 percent more (+411) than in FY09. In FY13, 38 percent of students (20,100 of 53,100) took at least one e-Learning course, compared to 32 percent in FY09. Four out of ten students taking for-credit classes and one in ten students taking non-credit classes took one or more courses via e-Learning course.

Work related to Shaping Alaska's Future will help UA make significant strides in areas where further refinement and development is needed, e.g. revenue sharing models that incentivize desired outcomes, and programs tailored to post-traditional student needs.

Part time students are more likely to take all e-Learning or all traditional courses, in part by virtue of taking fewer courses overall. Students tend to add e-Learning credits onto a more traditional course load in order to remain on track to timely graduation.

Quantifying and managing the cost of e-Learning separately from overall instruction and student services support has been challenging. The UA e-Learning team is currently tackling cost and cost models. Some factors lend themselves to valid disaggregation and comparison across these two categories and others do not. A list of these factors is contained herein.

In addition to training and faculty development opportunities directly supported by each university, the Office of the Vice President of Academic Affairs provides annual support for each institution to deliver faculty distance education technology training and technical support. Substantial progress has been made in this area but additional progress is needed. The number of faculty engaged in e-Learning development sessions is summarized herein, with 1,084 sessions attended by UAA faculty in FY13, 1,265 sessions by UAF faculty and 122 sessions by UAS faculty. One training highlight this year is the participation of 11 faculty members from three campuses and eight different disciplines in the Sloan-Consortium Teaching Online Certificate Program, a nationally recognized certificate program that provides a foundational course and three one-week long electives. This certificate program will be evaluated for wider adoption over the next year as an external mechanism to support the quality of UA's online instruction.

Beyond Alaska, e-Learning is among the top of current national education issues. On the whole, e-Learning is simply a means to achieve institutional priorities and goals via technology. Nationally, post-secondary enrollment is growing to surpass the capacity of traditional infrastructures, learner profiles are changing, and students are shopping for education that meets their needs, their budgets and their lifestyles. In response to national trends, e-Learning may rise to meet student needs and overcome funding challenges that traditional institutional structures cannot. Higher education institutions are changing to favor e-Learning at different rates according to their own missions and student demand. National focus remains on Massive Open Online Courses (MOOCs), an important and controversial part of the e-learning conversation at UA. Financial models for MOOCs remain in development. See Reference A on page 13 for more information.

## Shaping Alaska's Future

A variety of e-Learning related topics, themes and effects have been identified for exploration and action as UA moves forward in the Shaping Alaska's effort. A meeting of university Chancellors, Provosts, faculty governance and others is being scheduled for early 2014 to begin tackling these areas. Below are a few examples of topics:

- System strategy for recruiting in-state, out-of-state, and international students into UA e-Learning programs
- e-Learning revenue sharing must be examined
- Common statewide course numbering to maximize transferability and benefit to students
- e-Learning is a viable mechanism to improve high school graduate preparation and pace of UA degree completion.
- Expanded e-Learning opportunities that allow for family schedules commonly required by post-traditional working students. Add weekend and 7-day a week course options and custom classroom hours, supported by universal internet access and broadband upgrades.
- Engaging Alaska's business communications leaders to get off the grid students access to high data rates that can enable the latest software applications, regardless of where they live in Alaska.

## Recent Trends in UA e-Learning

The University of Alaska Board of Regents' Academic and Student Affairs committee was last provided a system wide report on e-Learning in December, 2012. Updated written reports for UAA, UAF, UAS are available for review online<sup>1</sup>.

The University of Alaska has defined e-Learning as planned learning that predominantly occurs in situations where a student is not required to be in a predetermined location<sup>2</sup>. e-Learning courses require a different course design and development, different pedagogical techniques, and communication through instructional technologies. e-Learning courses are delivered in many forms, including video conference, audio conference, correspondence, tele-courses, satellite telecasts, courses available via the Internet, CD-ROM, video/audio tape, etc. A course may be delivered entirely via e-Learning or by a hybrid of e-Learning and on-campus methods.

While in-state competition from other institutions has grown, e-Learning participation at the University of Alaska has also increased as a result of efforts to increase capacity to serve students via e-Learning. This report considers student participation in e-Learning during the course of a fiscal year in credit and non-credit courses, rather than just the standard reporting timeframe and definition of for-credit course participation during the fall semester. This is because e-Learning occurs at a higher rate over the course of the year than in the fall semester, with a notable non-credit component. Considering summer 2012, fall 2012, spring 2013 and year-long course participation during FY13, more than 53,100 different people took at least one course (for-credit or non-credit; traditional or e-Learning) from UA in FY13. Four out of ten students taking for-credit classes and one in ten students taking non-credit classes took one or more courses

<sup>1</sup> UAA: <http://www.uaa.alaska.edu/institutionaleffectiveness/upload/UAA-eLearning-2012-2013.pdf>

UAF: <http://elearning.uaf.edu/go/bor-unit-2013>

UAS: [http://uas.alaska.edu/provost/ie/docs/UAS\\_eLearning\\_status\\_112013.pdf](http://uas.alaska.edu/provost/ie/docs/UAS_eLearning_status_112013.pdf)

<sup>2</sup> See University of Alaska reporting definitions for e-Learning course and e-Learning program, available online at: <https://alaska.datacookbook.com/institution/terms>

via e-Learning course in FY13. In FY13, 38 percent of students took at least one e-Learning course, compared to 32 percent in FY09.

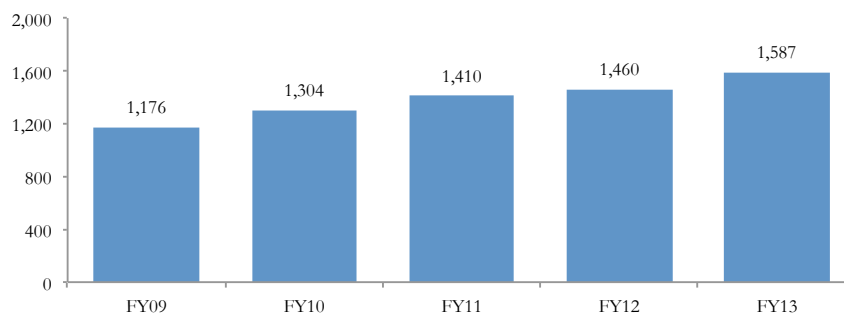
e-Learning students are relatively representative of the University of Alaska's overall race and ethnicity distribution, with about 15 percent self-identifying as Alaska Native or American Indian, and a total of 25 percent self-identifying as having a minority background. Somewhat surprisingly, e-Learning students tend to be a little older, with those 25 years of age or older making up 61 percent of e-Learning students and 50 percent of all students in FY13. UA students who came from out-of-state or another country were more likely to take one or more e-Learning courses than students who originated in Alaska. More than 45 percent of international students took at least one e-Learning course in FY13, compared to 40 percent of Alaska students and 52 percent of out-of-state students. About 5 percent of students who take e-Learning courses reside outside Alaska, and the remaining 95 percent are in-state, a pattern that has remained stable since FY09.

### E-Learning Courses

Courses are classified based on the physical distance of the instructor and students as well as the type(s) of tools used to deliver courses. Courses that are 0 to 50 percent location based are classified as e-Learning courses for reporting, with courses in this category with any location based component considered to be hybrid e-Learning. Courses that are 51 to 100 percent location based are classified as traditionally delivered for reporting. Less than 3 percent of course sections are delivered by hybrid e-Learning at any of UA's universities. Roughly 18 percent of course sections are delivered fully by e-Learning and the remaining 79 percent of course sections are delivered by traditional means. Tools used to delivery coursework include Blackboard, Google, Kaltura, and Livescribe, among many others.

Universities in the UA system delivered about 35 percent more courses via e-Learning in FY13 than in FY09 as displayed in Figure 1 below.

**Figure 1. Number of e-Learning Courses  
Delivered**



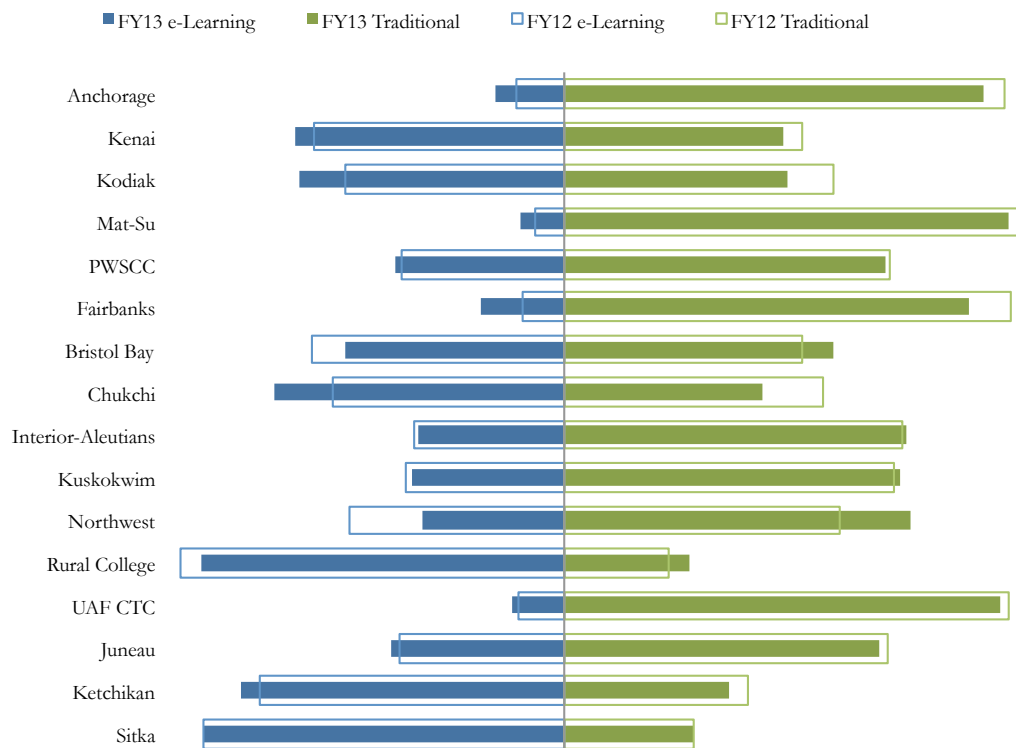
Of the more than 400 additional courses delivered by e-Learning since FY09, more than half were developmental and lower division, about 30 percent at the professional and graduate levels, and the remainder at the upper division level. Table 1 shows the distribution of e-Learning courses delivered in FY13 by university and level. About 70 percent of developmental e-Learning courses in FY13 were developmental math courses. A complete listing of the courses offered for the first time in FY13 via e-Learning is provided in Reference B, starting on page 14.

**Table 1. Courses Delivered via e-Learning in FY13 by Level**

Course Level	UAA	UAF	UAS	UA Total
Below 100	7	6	4	17
100	203	140	72	415
200	154	118	67	339
300	65	78	46	189
400	61	98	38	197
500	26	7	1	34
600	138	165	93	396
Total	654	612	321	1,587

Figure 2 provides a snapshot of the proportion of student credit hours delivered by e-Learning or by traditional classroom methods in FY12 and FY13, by each campus in the university system. While there has been some variation over the last year in the proportion of student credit hours delivered by e-Learning at each campus, the overall pattern is relatively stable. About 20 percent of all student credit hours delivered by UAA were via e-Learning, compared to 25 percent for UAF and more than 45 percent for UAS credits. In contrast, UAA delivered almost half of all e-Learning credits across the UA system in FY13, with UAF delivering about one-third and UAS just under one-fifth.

**Figure 2. Proportion of Student Credit Hours by Method  
FY12-FY13**



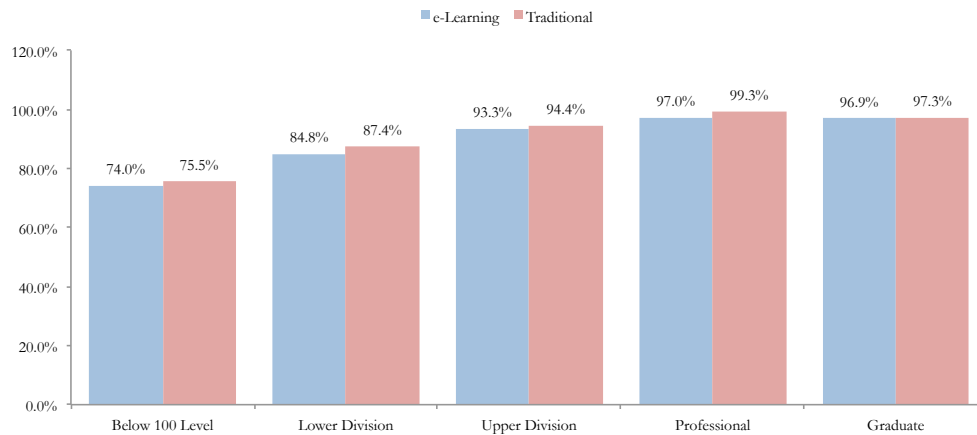
The distribution of student credit hours delivered by e-Learning from each university at each course level has remained relatively steady over the last five years, however there are differences among institutions driven by unique mission and student populations as demonstrated in Table 2 below. A higher proportion of graduate level student credit hours are classified as e-Learning because research and thesis credits are typically not location-based courses.

**Table 2. Proportion of Student Credit Hours Delivered by e-Learning, FY13**

University	Below 100 Level	Lower Division	Upper Division	Professional	Graduate
UAA	11%	19%	16%	14%	35%
UAF	17%	21%	23%	33%	53%
UAS	33%	40%	56%	3%	85%

Student success in a course, as defined by a grade of C or higher for undergraduate courses and a grade of B or higher for graduate and professional courses, or a P grade for either level, is similar for e-Learning and traditional delivery courses (Figure 3). Audited courses, or courses in which a student received an incomplete or grade deferral, are not considered.

**Figure 3. Percent of FY13 Course Attempts with Successful Student Outcomes by Delivery Type**



Student course-taking behavior varies by total annual course load (Figure 4). Part time students are more likely to take all e-Learning or all traditional courses, in part by virtue of taking fewer courses overall. More than half of those who take at least 30 credits a year, i.e., who are on track to timely program completion, take at least half of their courses via e-Learning.

**Figure 4. UA Students by Total Credit Hours Attempted in FY13  
 and Mix of Course Type(s)**

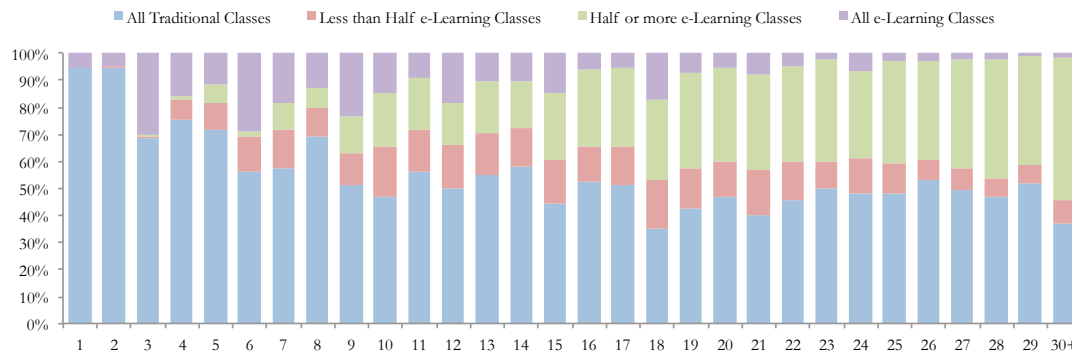


Table 3 shows the top 20 student credit hour generating e-Learning courses, which accounted for 15 percent of all e-Learning student credit hours credits delivered in FY13. Three-quarters of the courses on this list fulfill general education requirements for undergraduates<sup>3</sup>.

**Table 3. Top 20 Student Credit Hour Generating e-Learning Courses, FY13**

University	Course Subject	Course Number	Course Title	Student Credit Hours Delivered	Students Enrolled	e-Learning Course Sections
UAA	English	A212	*Technical Writing	3,288	1,099	54
UAA	English	A111	*Meth of Written Communication	2,172	725	39
UAA	Psychology	A111	*General Psychology	1,659	553	9
UAA	Dietetics & Nutrition	A203	Nutrition for Health Sciences	999	334	10
UAA	History	A101	*Western Civilization I	987	330	12
UAA	Mathematics	A105	Intermediate Algebra	987	334	16
UAA	Economics	A201	*Prin of Macroeconomics	960	322	9
UAA	Philosophy	A101	*Intro to Logic	897	301	11
UAA	Psychology	A150	*Lifespan Development	888	297	8
UAA	Business Administration	A151	*Introduction to Business	858	287	8
UAA	Biology	A102	*Introductory Biology	852	284	8
UAA	Communication	A237	*Interpersonal Communication	738	246	11
UAA	Economics	A202	*Prin of Microeconomics	726	242	8
UAA	Mathematics	A055	Elementary Algebra	672	226	11
UAA	History	A102	*Western Civilization II	669	223	9
UAF	History	F100X	Modern World History	993	331	14
UAF	English	F111X	Intro to Academic Writing	831	277	20
UAF	English	F200X	World Literature	723	241	12
UAF	Education	F593P	Special Topics	685	233	5
UAS	Biology	S111	*Human Anat/Physiol I	748	187	8

<sup>3</sup> Core general education requirement courses are identified by \* in the course title at UAA and UAS, or by X in the course number at UAF.

## E-Learning Certificate and Degree Programs

Beyond course offerings, the University of Alaska offers degree programs that can be completed partially, or entirely, via e-Learning. UA programs have been categorized into hybrid-distance or full-distance categories, based on the ability to complete 50 percent or more, or 100 percent of program requirements by e-Learning. Programs that do not allow at least half of program requirements to be completed by e-Learning are classified as traditionally delivered for reporting. Information on how many programs fall into each category was collected from UAA, UAF and UAS for the first time last year, in response to federal reporting requirements, therefore trend information is limited.

As of FY13, UA institutions offer 258 distinct degree, certificate and endorsement programs that can be completed at least 50 percent via e-Learning, making up nearly half of all programs offered. See Reference C starting on page 18 for a full list. Of these, about half (125 programs) are available completely via e-Learning. Tables 4 and 5 below summarize the number of different programs offered at least half and fully by e-Learning, respectively, broken out by degree level and university. No programs were dropped from e-Learning delivery in the last year.

**Table 4. Programs Available 50% or More via e-Learning, FY13**

	UAA	UAF	UAS	Total
Occupational Endorsement	14	4	22	40
Certificate	8	13	16	37
Associate	14	12	14	40
Baccalaureate	7	46	13	66
Endorsement/Licensure	8	5	18	31
Master's	13	14	14	41
Doctoral		3		3
Total	64	97	97	258

**Table 5. Programs Fully Available via e-Learning, FY13**

	UAA	UAF	UAS	Total
Occupational Endorsement	11	4	12	27
Certificate	5	9	12	26
Associate	7	9	10	26
Baccalaureate	1	6	7	14
Endorsement/Licensure	4	4	3	11
Master's	6	7	6	19
Doctoral		2		2
Total	34	41	50	125

Table 6 details programs that are offered via e-Learning for the first time in FY13, including 13 UAA programs and 1 UAF program.

**Table 6. Programs Newly Available via e-Learning in FY13**

University	Major Description	Degree Description	Distance Level	Program first offered
UAA	Civil Drafting	Certificate	Full	2002
UAA	Computer Info Office Systems	Certificate	Full	2004
UAA	Career & Technical Education	Graduate Certificate	Full	2012
UAA	Direct Services Specialist	Occupational Endorsement Cert	Full	1998
UAA	Disability Services	Occupational Endorsement Cert	Full	1998
UAA	Medical Office Coding	Occupational Endorsement Cert	Full	1998
UAA	General Program	Associate of Arts	Half or More	1998
UAA	Early Childhood	Bachelor of Arts	Half or More	1998
UAA	Nutrition	Bachelor of Science	Half or More	2010
UAA	Indust Safety Program Support	Certificate	Half or More	2008
UAA	Teaching and Learning	Master of Education	Half or More	2012
UAA	Creative Writing	Master of Fine Arts	Half or More	1998
UAA	Nursing Science	Master of Science	Half or More	1998
UAF	Alaska Native Studies	Bachelor of Arts	Half or More	2003

These additional 14 programs represent a 6 percent increase over the number of UA programs offered partially or fully via e-Learning in FY12. While it may be possible to complete a degree or certificate via e-Learning, this does not imply a majority of graduates are doing so. Other programs, such as the Associate of Applied Science in Nursing and a variety of Teacher Education programs, have been successfully developed and implemented from the start to be available at a distance.

## Cost Issues

A recent 2013 Education Advisory Board whitepaper outlined several strategies for enabling e-Learning and other digital instruction at scale, including:

- Tailor programs to the needs of different populations; Multiple modalities are needed for instruction and student service delivery
- Comprehensive student services and course/program design standards are critical
- Cost models need to rely on a variety of instruction types, and class sizes

Quantifying and managing the cost of e-Learning separately from overall instruction and student services support has historically been challenging. Compensation and tuition-sharing models vary within and among campuses and universities and have not been easily described in the past. Cost and cost models are among the issues to be tackled by the UA e-Learning team that will start in early 2014. A list of factors and issues affecting cost are discussed briefly here. Some factors may be appropriate for use in future comparisons of e-Learning to traditional delivery costs and others may not be possible to disaggregate to these two categories in a meaningful way. As program review efforts are further developed over time at each university, it will become more feasible to define useful measures for cost of e-Learning instruction in some cases.

Comparable factors may include:

- Employee effort and salary estimates
  - Faculty workload for instruction by course type
  - Faculty and staff course development effort, recognizing this intensive work is



sometimes not incorporated into regular and adjunct faculty workloads, and may demand more prep and development time than traditional course counterparts

- Instructional support and design costs, only when centrally administered for e-Learning; in practice, instructional design concepts apply to both e-Learning and traditional courses
- Course offerings and class size
- Revenue from tuition and course-based fees
- Infrastructure costs for networking and technology that supports e-Learning (if not also used for traditional courses)
- Centralized e-Learning support functions at each university
- Technology exploration, innovation and development in support of e-Learning, when centrally administered

Factors that may not be possible to meaningfully disaggregate for comparison could include the following, especially for students who take a mix of traditional and e-Learning coursework, or who are majors in hybrid academic programs:

- Student services costs
  - admissions
  - financial aid, scholarships
  - athletics
  - academic support and libraries
- Facility and space needs and costs, administrative overhead.
  - Many students take e-Learning classes while on-campus
- Technology costs to faculty and students
  - The same technology tools may be utilized for e-Learning and traditional courses

e-Learning courses and programs generated roughly 15 percent of total FY13 tuition and fee revenue. Class section size is one key driver of instructional cost and varies among different academic subjects, course levels and delivery modality type(s). Section size may be capped for some subjects, such as nursing, to meet specialized accreditation or equipment requirements.

Table 7 compares the average course section size for the top 20 student credit hour generating e-Learning courses in FY13 to each course's traditional counterpart. While there are sometimes differences of 30 or more students in the average course size between e-Learning and traditional sections of the same course, the average section size for either category over all the courses is remarkably similar.

**Table 7. Top 20 Student Credit Hour Generating e-Learning Courses, FY13**  
**Comparison of Average Section Size to Traditional Course Counterpart**

University	Course Subject	Number	Course Title	Average Section Size	
				e-Learning	Traditional
UAA	English	A212	*Technical Writing	20.4	19.8
UAA	English	A111	*Meth of Written Communication	18.6	19.4
UAA	Psychology	A111	*General Psychology	61.4	29.5
UAA	Dietetics & Nutrition	A203	Nutrition for Health Sciences	33.4	21.4
UAF	History	F100X	Modern World History	23.6	37.4
UAA	History	A101	*Western Civilization I	27.5	32.0
UAA	Mathematics	A105	Intermediate Algebra	20.9	26.6
UAA	Economics	A201	*Prin of Macroeconomics	35.8	44.9
UAA	Philosophy	A101	*Intro to Logic	27.4	31.8
UAA	Psychology	A150	*Lifespan Development	37.1	28.9
UAA	Business Administration	A151	*Introduction to Business	35.9	24.4
UAA	Biology	A102	*Introductory Biology	35.5	40.9
UAF	English	F111X	Intro to Academic Writing	13.9	18.3
UAS	Biology	S111	*Human Anat/Physiol I	23.4	12.0
UAA	Communication	A237	*Interpersonal Communication	22.4	15.9
UAA	Economics	A202	*Prin of Microeconomics	30.3	57.5
UAF	English	F200X	World Literature	20.1	25.3
UAF	Education	F593P	Special Topics	46.6	10.9
UAA	Mathematics	A055	Elementary Algebra	20.5	24.4
UAA	History	A102	*Western Civilization II	24.8	30.4
Average for all sections				25.1	24.5

## Faculty Development for e-Learning

Faculty support for developing and offering e-Learning courses and programs varies among each university in the system. Ensuring adequate faculty support in instructional design and technical resources will be important to further strengthening e-Learning at UA. Some sharing of resources among the three universities is already occurring e.g., iTeach programs involving faculty from two or more institutions. The Office of the Vice President of Academic Affairs provides annual support for each university to deliver faculty distance education technology training and technical support.

Types of e-Learning faculty development programs and the number of faculty taking part in FY13 follows. Faculty training occurred prior to FY13 at UAA and UAF, although was not quantified. A five-year trend is available for UAS.

### UAA – FY13

#### Anchorage Campus - Faculty Technology Center

- 92 Professional Development Workshops: 494 faculty
- iTeach Intensive: 27 faculty
- Sloan-C 1 Week Course: 25 faculty
- Sloan-C 9 Week Teaching Intensive: 10 faculty
- UAA Technology Fellows: 14 faculty

#### Kenai Peninsula

- Workshops/events: 100 faculty
- Quality Matters training: 35 faculty
- Excellence in eLearning Workshop: 20 faculty

#### Kodiak

- Quality Matters training: 24 faculty
- Professional Development Week (May 2013): 53 faculty
- Workshops/events: 227 faculty
- Individual Instructional Design & Technology Training: 55 faculty

#### UAF - All Campuses, FY13

- Eight iTeach Intensive Clinics (3-5 full days): 86 faculty
- Eight Teaching Tips Live sessions (60-90 min): 35 faculty
- Teaching Tips: 48 weekly tips distributed to app. 1000 faculty + approximately 1,200 staff
- 22 various other short form faculty development sessions (1-3 hours): approximately 135 faculty
- iTeachU Faculty Development Self-Help site: 15,000+ visits
- Two "Faculty on Tap" facilitated discussions: 9 faculty

#### UAS – All Campuses, FY09 – FY13

	FY09	FY10	FY11	FY12	FY13
iTeach	3	10	11	18	16
Webinars				54	53
Workshop and Individual Training				105	53
Conferences			3	2	

### Highlights

#### Sloan-Consortium (Sloan-C) Teaching Online Certificate Program<sup>4</sup>

The UA System provided funding that allowed 11 faculty members from three campuses and eight different disciplines to participate in the summer 9-week certificate program. This nationally recognized certificate program provides a foundational course and three one-week long electives in which faculty learn to better master the art of online teaching. This certificate program may be evaluated for wider adoption over the next year as a mechanism to support quality of UA's online instruction.

#### UAA

For the past few years the Anchorage campus has ensured quality standards by using a course design checklist developed in a partnership with instructional designers, faculty and staff across UAA. The checklist provides a rubric of multiple categories including the syllabus, course content, interaction and collaboration

<sup>4</sup> See [http://sloanconsortium.org/quality\\_scorecard\\_online\\_program](http://sloanconsortium.org/quality_scorecard_online_program)

activities, assessment plan, and student support. A workgroup has been established to examine this more closely, to propose a program and/or process that UAA can adopt to meet both internal design standards and nationally established distance education benchmarks. Kenai Peninsula and Kodiak have adopted the Quality Matters (QM) framework to ensure quality in distance education, a nationally recognized, peer-based approach to continuous improvement in online education and student learning. Independently, Kodiak is using grant funds to work on online labs in health care classes, and a program to develop island/coastal-themed distance education incorporating global topics and direct interaction with faculty and the Island through cutting-edge learning resources and technology infrastructure, also supported by academic and student support services. At the Kenai Peninsula college, grant funding was used to develop online modules for developmental math, which are now part of Carnegie Mellon University's Open Learning Initiative (OLI).

### UAF

Following the organizational change last year that elevated UAF e-Learning to report directly to the Chancellor, UAF e-Learning integrated all of the courses it facilitates and supports into the main campus academic infrastructure:

- Courses are part of the same process of academic approval and oversight as every other course.
- Course headcount is now credited to the academic departments.
- Courses are now taught by faculty and recognized as part of workload, or by adjuncts hired by the offering department.
- e-Learning courses are now listed in the official UAF Course Finder alongside traditional course offerings.

At the same time, UAF eLearning implemented a tuition-sharing model that parallels the standard campus budgeting model, eliminating some significant financial disincentives for departments considering e-Learning course development. The coherence resulting from campus integration allowed UAF e-Learning to take on the service and support of all 100 percent e-Learning course offerings at UAF, increasing consistency of e-learning offerings for faculty and students. In addition, UA implemented a small learning management system evaluation project and phased out the last remaining print correspondence and year-long e-Learning courses.

### UAS

Rigorous annual assessments and periodic academic program reviews at UAS facilitate improvement of academic programs and contribute to the overall strength of the university's educational mission. Program assessments are grounded in the undergraduate and graduate competencies identified by faculty as critical learning outcomes. A number of quality control and assessment tools are in use or under consideration, including the LiveText portfolio system and Sloan-C Scorecard rubrics to facilitate assessment of eLearning programs, and the Quality Matters peer review system for online course assessment. The Teaching, Learning, and Technology Roundtable continues to engage faculty in the evaluation of tools and rubrics in the face of dynamic and evolving online learning paradigms. While there is a general desire for standardization in assessment methodology, UAS recognizes that the best fit may vary with the needs, designs, and assessment reporting requirements of its different programs.

Reference A  
The MOOC Phenomenon  
by Chris Lott, Design Team Manager & Disruptive Technologist  
UAF e-Learning & Distance Education

Massive Open Online Courses (MOOCs) have become an increasingly important and controversial part of the e-learning conversation at higher-ed institutions across the country. In the past year, commercial MOOC providers such as Coursera and Udacity have forged new relationships with universities to offer their courses for credit for free or as a low-priced substitute for traditional courses, up to and including using the MOOCs as the basis of fully online degree programs at drastically reduced prices. Some of the largest companies the University of Alaska works with, including Google and Pearson Publishing, are moving into this rapidly changing space with their own offerings and initiatives.

The widespread emergence of MOOCs is a threat--and an opportunity--that UA cannot ignore. The primary threat is the intertwining of suspect economics and regressive pedagogy: no sound financial model for operating a MOOC has emerged that provides proper support of learners without reverting to outdated and ineffective teaching methods that rely on passive, transfer-based learning, peer-review and assessment, and an unacceptable minimum of faculty presence and interaction. The financial incentive to use MOOCs as a replacement for "traditional" e-learning experiences comes at a steep educational price.

But MOOCs provide many opportunities for UA as well. The demand for open educational experiences is obvious from the massive numbers of learners who participate in them already; the difference in goals and definitions of success between those experiences and UA e-learning offerings is clear from the abysmal MOOC completion rates. However, as the UAS School of Education's Spring 2013 "Differentiating Education" MOOC demonstrated, it is possible to take advantage of some affordances of the MOOC model, particularly larger-scale, open participation, while providing a sound educational experience for a registered, tuition-paying cohort. UAF is currently working on two Justice MOOCs that will provide an open education experience for any learner with a seamless transition to the Justice program for those who desire it...recognizing that many MOOC "dropouts" aren't failing, but simply participating in an intentionally limited way.

All three campuses continue to provide professional development opportunities for faculty and staff to educate them about what MOOCs really are, how they are currently being used, and what opportunities the phenomenon represents. By definition, MOOCs make available a wealth of resources and materials for integration, co-option, and adoption by UA faculty for e-learning courses...if faculty development opportunities and support for course development efforts are not just maintained, but increased and strengthened. With sufficient support for faculty to create and deliver rich e-learning offerings, UA can continue its intentional, temperate engagement to understand and take advantage of the motivations behind MOOCs without sacrificing the qualities that make its offerings stand apart.

# Reference B

## Courses Offered for the First Time via e-Learning, FY13

University	Broad Subject area	Course Number	Subject	Subject Description	Course Title	Student Credit Hours Delivered
UAA	Area, Ethnic, Cultural, and Gender Studies	A101E	AKNS	Alaska Native Studies	*Elementary Alutiq Language I	96
UAA	Area, Ethnic, Cultural, and Gender Studies	A102E	AKNS	Alaska Native Studies	*Elementary Alutiq Lang II	52
UAA	Area, Ethnic, Cultural, and Gender Studies	A290	AKNS	Alaska Native Studies	Sel Topics AK Native Studies	96
UAF	Area, Ethnic, Cultural, and Gender Studies	F293	NORS	Northern Studies	Special Topics	6
UAF	Area, Ethnic, Cultural, and Gender Studies	F493	NORS	Northern Studies	Special Topics	6
UAF	Area, Ethnic, Cultural, and Gender Studies	F315	RD	Rural Development	Tribal People and Development	24
UAF	Area, Ethnic, Cultural, and Gender Studies	F460	RD	Rural Development	Women and Development	6
UAF	Area, Ethnic, Cultural, and Gender Studies	F335	WGS	Women's and Gender Studies	Gender and Crime	3
UAF	Area, Ethnic, Cultural, and Gender Studies	F493	WGS	Women's and Gender Studies	Special Topics	18
UAA	Area, Ethnic, Cultural, and Gender Studies	A355	WS	Women's Studies	Women in Politics	30
UAA	Area, Ethnic, Cultural, and Gender Studies	A400	WS	Women's Studies	Feminist Theory	33
UAA	Biological and Biomedical Sciences	A115	BIOL	Biology	*Fundamentals of Biology I	64
UAF	Biological and Biomedical Sciences	F493	BIOL	Biology	Special Topics	42
UAA	Business, Management, Marketing, and Related Support Services	A202	ACCT	Accounting	Principles of Managerial Acct	450
UAA	Business, Management, Marketing, and Related Support Services	A650	ACCT	Accounting	Seminar Executive Uses of Acct	117
UAF	Business, Management, Marketing, and Related Support Services	F356	ACCT	Accounting	Internship in Accounting	3
UAF	Business, Management, Marketing, and Related Support Services	F183	ABUS	Applied Business	Adv Job Readiness Skills	30
UAF	Business, Management, Marketing, and Related Support Services	F267	ABUS	Applied Business	Trans and Logistics Management	2
UAF	Business, Management, Marketing, and Related Support Services	F269	ABUS	Applied Business	Food & Beverage Management	4
UAA	Business, Management, Marketing, and Related Support Services	A166	BA	Business Administration	Small Business Management	60
UAA	Business, Management, Marketing, and Related Support Services	A325	BA	Business Administration	Corporate Finance	276
UAA	Business, Management, Marketing, and Related Support Services	A381	BA	Business Administration	Consumer Behavior	87
UAA	Business, Management, Marketing, and Related Support Services	A432	BA	Business Administration	Real Estate Law	39
UAA	Business, Management, Marketing, and Related Support Services	A615	BA	Business Administration	Real Estate Investmt Analysis	57
UAA	Business, Management, Marketing, and Related Support Services	V151	BA	Business Administration	Introduction To Business	39
UAF	Business, Management, Marketing, and Related Support Services	F325	BA	Business Administration	Financial Management	54
UAF	Business, Management, Marketing, and Related Support Services	F360	BA	Business Administration	Operations Management	120
UAS	Business, Management, Marketing, and Related Support Services	S291	BA	Business Administration	Intrnshp:	3
UAS	Business, Management, Marketing, and Related Support Services	S297	BA	Business Administration	IS:	12
UAS	Business, Management, Marketing, and Related Support Services	S497	BA	Business Administration	IS:	3
UAA	Business, Management, Marketing, and Related Support Services	A162A	CIOS	Computer Info & Office Systems	Shorthand	6
UAA	Business, Management, Marketing, and Related Support Services	A254B	CIOS	Computer Info & Office Systems	Desktop Pub II: MS Publisher	4
UAA	Business, Management, Marketing, and Related Support Services	V116	CIOS	Computer Info & Office Systems	Business Calculations	12
UAA	Business, Management, Marketing, and Related Support Services	V240A	CIOS	Computer Info & Office Systems	Databases II: MS Access	10
UAA	Business, Management, Marketing, and Related Support Services	V259	CIOS	Computer Info & Office Systems	Preparing Elec Doc: Adobe Acro	5
UAA	Business, Management, Marketing, and Related Support Services	V295	CIOS	Computer Info & Office Systems	Office Internship	3
UAF	Business, Management, Marketing, and Related Support Services	F193P	CIOS	Computer Info & Office Systems	Special Topics	14
UAA	Communication, Journalism, and Related Programs	A390	COMM	Communication	Selected Topics: Communication	75
UAS	Communication, Journalism, and Related Programs	S340	COMM	Communication	Media Studies	6
UAF	Communication, Journalism, and Related Programs	F698	JRN	Journalism	Research	4
UAA	Communication, Journalism, and Related Programs	V101	MEDA	Media	Intro to Mass Communication	9
UAA	Computer and Information Sciences and Support Services	A109	CS	Computer Science	Computer Prog (Languages Vary)	72
UAF	Computer and Information Sciences and Support Services	F602	CS	Computer Science	Software Project Management	18
UAA	Construction Trades	A101	AET	Architect Engineering Tech	Fund of CADD for Bldg Constr	40
UAA	Construction Trades	A121	AET	Architect Engineering Tech	Architectural Drafting	12
UAA	Construction Trades	A181	AET	Architect Engineering Tech	Interm CADD for Bldg Construct	16
UAA	Construction Trades	A282	AET	Architect Engineering Tech	Advanced CADD Techniques	16
UAF	Construction Trades	F104	CTT	Construction Trades Technology	Basic Comm/Employability Skill	20
UAF	Construction Trades	F199	CTT	Construction Trades Technology	Student Practicum I	3
UAF	Construction Trades	F240	CTT	Construction Trades Technology	Intro to Project Dev	36
UAF	Education	F129	ECE	Early Childhood Education	Found for Nutr & Phys Wellness	27
UAF	Education	F170	ECE	Early Childhood Education	Practicum I	15
UAF	Education	F213	ECE	Early Childhood Education	Curr II: Thnkg, Reas & Disc	27
UAF	Education	F249	ECE	Early Childhood Education	Current Issues in ECE	3
UAF	Education	F302	ECE	Early Childhood Education	Bldg Home Prog Rel'shps	30
UAF	Education	F305	ECE	Early Childhood Education	Soc Emotnl Dev: Reflec & Pract	27
UAF	Education	F306	ECE	Early Childhood Education	Bldg Brdgs to Sup Fam Men Hlth	36
UAF	Education	F397	ECE	Early Childhood Education	Individual Study	3
UAF	Education	F410	ECE	Early Childhood Education	Sup Fam Rel through Mentoring	21
UAF	Education	F421	ECE	Early Childhood Education	Fr Babbl to Talkg to Ear Lit	6
UAF	Education	F471	ECE	Early Childhood Education	Clinical Prac: Orgnl Actn Rsrch	6
UAF	Education	F473	ECE	Early Childhood Education	Clinical Pract: Classrm Mngmnt	9
UAS	Education	S651	ECE	Early Childhood Education	Oral Lang, Literacy & Play	36
UAS	Education	S662	ECE	Early Childhood Education	Adv Std Play, Chld Dev/ ECE	42
UAA	Education	A680	EDCN	ED: Counselor ED	Counseling Practicum	21
UAA	Education	A690	EDCN	ED: Counselor ED	Current Topics in Counseling	6
UAA	Education	A392	EDEL	ED: Elementary ED	Elem Ed Seminar I: CRT	60
UAA	Education	A492A	EDEL	ED: Elementary ED	Elem Ed Seminar II: Learn Env	44
UAA	Education	A694	EDFN	ED: Foundations	Cult Sustain Lit P-6 ELL	27
UAA	Education	A545K	ED	Education	AK Studies: Conflict Perspectv	3
UAA	Education	A550K	ED	Education	Cltrly Rspnsv Tchng-AK Stides	42
UAA	Education	A558E	ED	Education	Teaching with Love & Logic	6
UAA	Education	A571	ED	Education	Sel Top in World Languages Ed	2
UAF	Education	F431	ED	Education	Web 2.0 Fund: Part, Prod, Pub	15
UAF	Education	F432	ED	Education	Fundamentals of Media Design	6
UAF	Education	F653	ED	Education	Instructional Design	21
UAF	Education	F655	ED	Education	Online Pedagogy	21
UAF	Education	F676	ED	Education	Supporting Lrng in Divrse Syst	3

# Reference B

## Courses Offered for the First Time via e-Learning, FY13

University	Broad Subject area	Course Number	Subject	Subject Description	Course Title	Student Credit Hours Delivered
UAF	Education	F677	ED	Education	Digital Storytelling	36
UAS	Education	S621A	ED	Education	Curriculum Dev A	26
UAS	Education	S621B	ED	Education	Curriculum Dev B	15
UAS	Education	S621C	ED	Education	Curriculum Dev C	13
UAA	Education	A422Y	EDSE	Education: Special Education	Strategies: ECSE Inclusion	3
UAA	Education	A677	EDSE	Education: Special Education	CMH Multidisciplinary Seminar	1
UAF	Education	F393	EDSE	Education: Special Education	Special Topics	15
UAF	Education	F493	EDSE	Education: Special Education	Special Topics	27
UAF	Education	F610	EDSE	Education: Special Education	Assessmnt of Stdnts with Disab	18
UAF	Education	F612	EDSE	Education: Special Education	Crclm & Strtgs I: Low Incdnce	18
UAF	Education	F642	EDSE	Education: Special Education	Autism & Asperger Syndrome	12
UAF	Education	F681	EDSE	Education: Special Education	Special Education Portfolio	9
UAS	Education	S693	EDSE	Education: Special Education	ST:	3
UAA	Engineering	A639	CE	Civil Engineering	Loads on Structures	27
UAA	Engineering	A676	CE	Civil Engineering	Coastal Engineering	6
UAA	Engineering	A689	CE	Civil Engineering	Cold Regions Pavement Design	24
UAF	Engineering	F693	ESM	Engineering & Science Mgmt	Special Topics	5
UAA	Engineering	A602	PM	Project Management	Application of PM Processes	21
UAA	Engineering	A603	PM	Project Management	Project Initiation & Planning	18
UAA	Engineering	A604	PM	Project Management	Project Execute, Monitor, Ctrl	15
UAA	Engineering	A605	PM	Project Management	Ops Integration & Proj Closure	9
UAA	Engineering	A686A	PM	Project Management	Capstone: Initiating/Planning	12
UAA	Engineering	A686B	PM	Project Management	Capstone: Execute/Cntrl/Close	9
UAA	Engineering	A690	PM	Project Management	Selected Topics in PM	6
UAA	Engineering	A694D	PM	Project Management	Advanced Project Controls	6
UAA	Engineering	A694U	PM	Project Management	PM Application Tools	9
UAA	Engineering	A694V	PM	Project Management	Org Project Maturity & Improve	3
UAA	Engineering Technologies/Technicians	A605	AEST	Applied Environ Sci & Tech	Nat'l Environmental Policy Act	39
UAA	Engineering Technologies/Technicians	A262	CNT	Computer and Networking Tech	Computer Technical Support	38
UAS	Engineering Technologies/Technicians	S193	MINL	Mining Tech	ST:	132
UAA	Engineering Technologies/Technicians	A111	OSH	Occupational Safety and Health	Training Needs & Methods	69
UAF	Engineering Technologies/Technicians	F255	PRT	Process Technology	Quality Concepts Proc Industry	24
UAA	English Language and Literature/Letters	A260	CWLA	Creative Writing and Lit Arts	Intro to Creative Writing	219
UAA	English Language and Literature/Letters	A311	ENGL	English	*Advanced Composition	102
UAF	English Language and Literature/Letters	F272	ENGL	English	Intro Creative Writing: Poetry	21
UAS	English Language and Literature/Letters	S420	ENGL	English	Genre Studies: Selected Topics	36
UAS	Foreign Languages, Literatures, and Linguistics	S193	AKL	Alaska Languages	ST:	8
UAF	Foreign Languages, Literatures, and Linguistics	F109	ESK	Eskimo	Central Yup'ik Orthography	21
UAF	Foreign Languages, Literatures, and Linguistics	F203	ESK	Eskimo	Conversatnl Central Yup'ik III	18
UAF	Foreign Languages, Literatures, and Linguistics	F204	ESK	Eskimo	Conversation Central Yup'ik IV	9
UAF	Foreign Languages, Literatures, and Linguistics	F627	LING	Linguistics	Intro to Ling Dscrptn & Demtn	12
UAF	Foreign Languages, Literatures, and Linguistics	F101	SPAN	Spanish	Elementary Spanish I	70
UAF	Health Professions and Related Clinical Sciences	F211	CHP	Community Health Pract	Health Education	18
UAA	Health Professions and Related Clinical Sciences	A311	DN	Dietetics & Nutrition	Nutrition Counseling	1
UAA	Health Professions and Related Clinical Sciences	A312	DN	Dietetics & Nutrition	Nutrition Comm & Counseling	72
UAA	Health Professions and Related Clinical Sciences	A401	DN	Dietetics & Nutrition	Medical Nutrition Therapy I	18
UAA	Health Professions and Related Clinical Sciences	A402	DN	Dietetics & Nutrition	Medical Nutrition Therapy II	21
UAA	Health Professions and Related Clinical Sciences	A407	DN	Dietetics & Nutrition	Preventive & Therapeutic Nutr	150
UAA	Health Professions and Related Clinical Sciences	A430	DN	Dietetics & Nutrition	Research Methods Nutr & Diet	66
UAA	Health Professions and Related Clinical Sciences	A450	DN	Dietetics & Nutrition	Dietetic Management	18
UAA	Health Professions and Related Clinical Sciences	A475	DN	Dietetics & Nutrition	Advanced Nutrition	27
UAA	Health Professions and Related Clinical Sciences	A492	DN	Dietetics & Nutrition	Senior Seminar in Dietetics	12
UAA	Health Professions and Related Clinical Sciences	A200	DLS	Disability & Long-Term Support	Intro Children's Behav Hlth	24
UAA	Health Professions and Related Clinical Sciences	A204	DLS	Disability & Long-Term Support	Person-Centered Planning	33
UAF	Health Professions and Related Clinical Sciences	F152	EMS	Emergency Medical Services	Emergency Trauma Trng 1st Rspdr	3
UAF	Health Professions and Related Clinical Sciences	F168	EMS	Emergency Medical Services	ETT to EMT Bridge Course	24
UAA	Health Professions and Related Clinical Sciences	A345	HS	Health Science	Planning Health Ed Programs	21
UAA	Health Professions and Related Clinical Sciences	A683	HS	Health Science	Practices in Telehealth	9
UAA	Health Professions and Related Clinical Sciences	A698	HS	Health Science	MPH Project Practicum	48
UAA	Health Professions and Related Clinical Sciences	V161	HS	Health Science	Wilderness First Responder	4
UAS	Health Professions and Related Clinical Sciences	S101	HS	Health Science	Intro to Health Sciences	6
UAA	Health Professions and Related Clinical Sciences	A203	NURS	Nursing	Nursing Program Success	9
UAA	Health Professions and Related Clinical Sciences	A203	NS	Nursing Science*	Nursing Program Success	24
UAA	Health Professions and Related Clinical Sciences	A442	NS	Nursing Science*	Intro to Forensic Nursing	45
UAA	Health Professions and Related Clinical Sciences	A623	NS	Nursing Science*	Transcultural Nursing	15
UAA	Health Professions and Related Clinical Sciences	A659	NS	Nursing Science*	Integrative Health: CAM	21
UAA	Health Professions and Related Clinical Sciences	A262	PMED	Paramedical Technology	Clinical Rotation III	60
UAF	Health Professions and Related Clinical Sciences	F140	VTS	Veterinary Science	Basic Animal Husbandry for Vet	33
UAA	History	A346	HIST	History	Hist Native Peoples U.S./Can	63
UAA	History	A402	HIST	History	The Second World War	99
UAA	History	V241	HIST	History	Alaska History	27
UAF	History	F600	HIST	History	Perspectives on the North	3
UAF	Liberal Arts and Sciences, General Studies and Humanities	F698	LAS	Liberal Arts & Science	Research	3
UAF	Mathematics	F062	DEVM	Developmental Math	Alt Apprch:Elementary Algebra	39
UAF	Mathematics	F498	MATH	Mathematics	Research	3
UAS	Mathematics	S106	MATH	Mathematics	*Contemp Applic of Mathematics	21
UAA	Mathematics	V252	STAT	Statistics	Elementary Statistics	15
UAS	Mathematics	S401	STAT	Statistics	Regressn & Anlys/ Varian	20

# Reference B

## Courses Offered for the First Time via e-Learning, FY13

University	Broad Subject area	Course			Course Title	Student Credit Hours Delivered
		Number	Subject	Subject Description		
UAA	Mechanic and Repair Technologies/Technicians	A101	ET	Electronics Technology	Basic Electronics: DC Circuits	68
UAA	Mechanic and Repair Technologies/Technicians	A101L	ET	Electronics Technology	Basic Electronics DC Lab	0
UAA	Mechanic and Repair Technologies/Technicians	A102L	ET	Electronics Technology	Basic Elec: AC Phys Lab	0
UAA	Mechanic and Repair Technologies/Technicians	A412	TECH	Technology	Adv Technical Experiences	24
UAF	Natural Resources and Conservation	F130	ENVI	Environmental Studies	Intro to Ntnl Envmnt Policy Ac	6
UAF	Natural Resources and Conservation	F193	ENVI	Environmental Studies	Special Topics	15
UAF	Natural Resources and Conservation	F499	FISH	Fisheries	Fisheries Senior Thesis	10
UAF	Other	F204	CITS	Computer & Info Tech Systems	Intro to Ntwrk Spprt/Admnstrtn	21
UAF	Other	F261	CITS	Computer & Info Tech Systems	Cmptr and Network Security	42
UAS	Other	S636	EDET	ED: Educational Technology	Impact of Tech/ Stu Learning	60
UAS	Other	S637	EDET	ED: Educational Technology	Diff Instructn Thru Technol	54
UAF	Other	F220	EBOT	Ethnobotany	Ethnobotanical Techniques	12
UAS	Other	S110	FT	Fisheries Tech	Fisheries Oceanography	12
UAF	Other	F293	HSEM	Homeland Security/Emergency Mg	Special Topics	126
UAA	Other	A101	LEGL	Legal Studies	*Introduction to Law	45
UAF	Other	F607	MBA	Master Business Admin	Human Resources Management	69
UAF	Other	F288	MRAP	Museum Res Apprenticeship Prog	Museum Research Apprentice I	7
UAF	Other	F488	MRAP	Museum Res Apprenticeship Prog	Museum Research Apprentice II	2
UAA	Other	A100	RE	Renewable Energy	Intro to Renewable Energy	36
UAF	Other	F192	URSA	UG Research & Scholar Activity	Intro UG Rsrch/Scholar Activi	3
UAF	Other	F388	URSA	UG Research & Scholar Activity	UG Resrch & Creative Sch I	44
UAF	Other	F492	URSA	UG Research & Scholar Activity	UG Rsrch/Scholar Activity Sem	1
UAA	Parks, Recreation, Leisure, and Fitness Studies	A285	PEP	Physical Ed Professional	Leadership in Team Activities	6
UAA	Parks, Recreation, Leisure, and Fitness Studies	A384	PEP	Physical Ed Professional	*Cultur/Psy Aspects Hlth/Phys	54
UAA	Parks, Recreation, Leisure, and Fitness Studies	A486	PEP	Physical Ed Professional	Standards & Assessment in HIPER	39
UAA	Philosophy and Religious Studies	V222	PHIL	Philosophy	Ethics	18
UAF	Philosophy and Religious Studies	F102	PHIL	Philosophy	Introduction to Philosophy	129
UAA	Physical Sciences	A115	GEOL	Geology	*Environmental Geology	63
UAS	Physical Sciences	S193	PHYS	Physics	ST:	12
UAF	Psychology	F627	COUN	Counseling	Developmental Interventions	9
UAF	Psychology	F687	COUN	Counseling	Internship III	21
UAF	Psychology	F688	COUN	Counseling	Internship IV	6
UAA	Psychology	A260	PSY	Psychology	Statistics for Psychology	129
UAA	Psychology	A365	PSY	Psychology	Child & Adolescent Development	141
UAA	Psychology	A492	PSY	Psychology	Senior Sem:Contemporary	93
UAA	Psychology	A677	PSY	Psychology	CMH Multidisciplinary Seminar	3
UAA	Psychology	V265	PSY	Psychology	Abnormal Psychology	21
UAA	Public Administration and Social Service	A650	HUMS	Human Services	Leadership & Org Development	6
UAA	Public Administration and Social Service	A670	HUMS	Human Services	Professional Ethics in HUMS	30
UAA	Public Administration and Social Service	A682	HUMS	Human Services	Adv Topics Develop: Adulthood	24
UAA	Public Administration and Social Service	V208	HUMS	Human Services	Mentorship in Long-Term Care	12
UAA	Public Administration and Social Service	V295D	HUMS	Human Services	Practicum II Speech Lang Supp	48
UAF	Public Administration and Social Service	F266	HUMS	Human Services	Co-occurring Disorders	12
UAS	Public Administration and Social Service	S493	PADM	Public Administration	ST:	12
UAS	Public Administration and Social Service	S637	PADM	Public Administration	Local/Global Sustainability	24
UAS	Public Administration and Social Service	S638	PADM	Public Administration	Sustainable Energy/Environment	27
UAA	Public Administration and Social Service	A473	SWK	Social Work	Geriatric Social Work Practice	63
UAA	Public Administration and Social Service	A673	SWK	Social Work	Geriatric Social Work Practice	36
UAA	Public Administration and Social Service	A677	SWK	Social Work	CMH Multidisciplinary Seminar	2
UAA	Public Administration and Social Service	A683	SWK	Social Work	Practices in Telehealth	3
UAF	Public Administration and Social Service	F466	SWK	Social Work	Practicum in Social Work III	9
UAF	Public Administration and Social Service	F250	TM	Tribal Management	Current Topics in Tribal Gov't	17
UAA	Science Technologies/Technicians	A155	GEO	Geomatics	Fundamentals of Surveying	309
UAA	Security and Protective Services	A121	FIRE	Fire Science	Fire Behavior and Combustion	21
UAA	Security and Protective Services	A294	FIRE	Fire Science	Principles of Fire & ES Safety	30
UAA	Social Sciences	A101	ANTH	Anthropology	*Intro to Anthropology	405
UAA	Social Sciences	A202	ANTH	Anthropology	*Cultural Anthropology	60
UAF	Social Sciences	F221	ANTH	Anthropology	Fund of Biological Anthro	21
UAF	Social Sciences	F225	ANTH	Anthropology	Anthropology and Race	12
UAF	Social Sciences	F320	ANTH	Anthropology	Lang & Culture in Alaska	12
UAF	Social Sciences	F698	ANTH	Anthropology	Research	25
UAA	Social Sciences	A211	ECON	Economics	Economics of Fish	18
UAA	Social Sciences	A290	ECON	Economics	Special Topics in Economics	93
UAF	Social Sciences	F595	GEOG	Geography	Special Topics	27
UAF	Social Sciences	F251	JUST	Justice	Criminology	96
UAF	Social Sciences	F295	JUST	Justice	Special Topics	84
UAF	Social Sciences	F335	JUST	Justice	Gender and Crime	99
UAF	Social Sciences	F345	JUST	Justice	Police Problems	84
UAA	Social Sciences	A321	PS	Political Science	International Relations	42
UAA	Social Sciences	A341	PS	Political Science	The United States Congress	87
UAA	Social Sciences	A355	PS	Political Science	Women in Politics	42
UAA	Social Sciences	A490	PS	Political Science	Studies in Politics	21
UAA	Social Sciences	V102	PS	Political Science	Intro to Political Science	3
UAF	Social Sciences	F322	PS	Political Science	International Law & Organizatn	21
UAF	Social Sciences	F325	PS	Political Science	Native Self Government	15
UAS	Social Sciences	S410	SOC	Sociology	Race & Ethnic Relations	63
UAF	Technology Education/Industrial Arts	F147	TTCH	Trades And Technology	Burner Maintenance & Repair	11
UAA	Visual and Performing Arts	A294	ART	Art	Digital Image Editing I	21



# Reference B

## Courses Offered for the First Time via e-Learning, FY13

University	Broad Subject area	Course			Course Title	Student Credit Hours Delivered
		Number	Subject	Subject Description		
UAS	Visual and Performing Arts	S411	ART	Art	Advanced Sculpture	3
UAF	Visual and Performing Arts	F499	FLM	Film	Undergraduate Thesis	3
UAF	Visual and Performing Arts	F406	MUED	Music Education	Practicum/ Secondary Mus Mthds	14
UAF	Visual and Performing Arts	F201	THR	Theater	Theatre Practicum	2

Note: New courses are identified as those that were offered via e-Learning in FY13 and not offered via e-Learning between FY08 and FY12.

Source: Data supplied by MAUs via UA Information Systems: UA Decision Support Database (RPTDSDMGR) 2013. Compiled by UA Institutional Research and Analysis.

# Reference C

## University of Alaska FY13 Degree, Certificate, and Endorsement Programs Available via e-Learning

MAU	Major Code	Major Description	Degree Code	Degree Description	e-Learning Amount
UAS	ACCO	Accountant Endorsement	OEC	Occupational Endorsement Cert	Full
UAA	ACCT	Accounting	AAS	Associate of Applied Science	Half or More
UAS	ACCT	Accounting	CT2	Certificate	Full
UAF	ACTT	Accounting Technician	CT2	Certificate	Full
UAS	ACTT	Accounting Technician	CT2	Certificate	Full
UAS	AOS	Admin Office Supp	OEC	Occupational Endorsement Cert	Full
UAS	AOS	Admin Office Supp	OEC	Occupational Endorsement Cert	Half or More
UAF	ADMN	Administration of Justice	MA	Master of Arts	Full
UAS	ANLS	AK Native Lang & Studies	BLA	Bachelor of Liberal Arts	Half or More
UAF	AKNS	Alaska Native Studies	BA	Bachelor of Arts	Half or More
UAF	AKNS	Alaska Native Studies	BA	Bachelor of Arts	Full
UAF	ANTH	Anthropology	BA	Bachelor of Arts	Half or More
UAF	AACT	Applied Accounting	AAS	Associate of Applied Science	Full
UAF	ABUS	Applied Business	AAS	Associate of Applied Science	Full
UAF	ABMG	Applied Business Mgmt	CT2	Certificate	Full
UAA	ARCT	Arctic Engineering	MS	Master of Science	Full
UAF	ARTS	Art	BA	Bachelor of Arts	Half or More
UAF	ARTS	Art	BFA	Bachelor of Fine Arts	Half or More
UAF	ARSC	Arts and Sciences	BAS	Bachelor of Arts and Sciences	Half or More
UAF	ASSC	Associate of Science	AS	Associate of Science	Full
UAF	BIOS	Biological Sciences	BA	Bachelor of Arts	Half or More
UAA	BKSP	Bookkeeping Support	OEC	Occupational Endorsement Cert	Full
UAF	BADL	Business Administration	BBA	Bachelor of Business Admin.	Half or More
UAS	BADM	Business Administration	AB	Associate of Business	Half or More
UAS	BADM	Business Administration	GLI	Graduate Licensure Program	Full
UAF	BADM	Business Administration	BBA	Bachelor of Business Admin.	Half or More
UAF	BADM	Business Administration	MBA	Master of Business Admin.	Half or More
UAS	BADM	Business Administration	AAS	Associate of Applied Science	Full
UAS	BADM	Business Administration	BBA	Bachelor of Business Admin.	Full
UAS	BADM	Business Administration	MPA	Master of Public Admin	Full
UAS	BISS	Business Info Systems Support	CT2	Certificate	Half or More
UAA	CTED	Career & Technical Education	GCRT	Graduate Certificate	Full
UAA	CTED	Career & Technical Education	MS	Master of Science	Full
UAF	CHEM	Chemistry	BA	Bachelor of Arts	Half or More
UAF	CHEM	Chemistry	BS	Bachelor of Science	Half or More
UAS	CDEV	Child Develop & Family Studies	OEC	Occupational Endorsement Cert	Full
UAF	CDEV	Child Develop & Family Studies	BA	Bachelor of Arts	Full
UAA	CHBH	Children's Behavioral Health	OEC	Occupational Endorsement Cert	Full
UAA	CVDR	Civil Drafting	CT1	Certificate	Full
UAA	CLAS	Clinical Assistant	OEC	Occupational Endorsement Cert	Half or More
UAF	COMS	Communication	BA	Bachelor of Arts	Half or More
UAF	COMH	Community Health	AAS	Associate of Applied Science	Full
UAF	COMH	Community Health	CT2	Certificate	Full
UAS	CHAD	Community Wellness Advocate	OEC	Occupational Endorsement Cert	Full
UAS	CHAD	Community Wellness Advocate	CT2	Certificate	Full
UAA	CIOs	Computer Info Office Systems	AAS	Associate of Applied Science	Full
UAA	CIOs	Computer Info Office Systems	CT2	Certificate	Full
UAS	CIOs	Computer Info Office Systems	AAS	Associate of Applied Science	Full
UAS	CIOs	Computer Info Office Systems	AAS	Associate of Applied Science	Half or More
UAS	CIOs	Computer Info Office Systems	CT2	Certificate	Full
UAS	CIOs	Computer Info Office Systems	CT2	Certificate	Half or More
UAA	CIS	Computer Info Office Systems	OEC	Occupational Endorsement Cert	Full
UAS	CISY	Computer Information Systems	BS	Bachelor of Science	Half or More
UAF	CSCD	Computer Science	BS	Bachelor of Science	Half or More
UAF	CSCI	Computer Science	BS	Bachelor of Science	Half or More
UAF	CMGT	Construction Management	GCRT	Graduate Certificate	Full
UAS	CNST	Construction Technology	OEC	Occupational Endorsement Cert	Full
UAA	CORR	Corrections	CT1	Certificate	Full

# Reference C

## University of Alaska FY13 Degree, Certificate, and Endorsement Programs Available via e-Learning

MAU	Major Code	Major Description	Degree Code	Degree Description	e-Learning Amount
UAA	CRCT	Corrections	OEC	Occupational Endorsement Cert	Full
UAF	COSL	Counseling	MED	Master of Education	Full
UAA	CNED	Counselor Education	MED	Master of Education	Half or More
UAA	CWRT	Creative Writing	MFA	Master of Fine Arts	Half or More
UAF	CCST	Cross-Cultural Studies	MA	Master of Arts	Full
UAA	DITC	Dietetics	BS	Bachelor of Science	Half or More
UAA	DART	Digital Art	AAS	Associate of Applied Science	Full
UAA	DISY	Direct Services Specialist	OEC	Occupational Endorsement Cert	Full
UAA	DISS	Disability Services	AAS	Associate of Applied Science	Full
UAA	DISS	Disability Services	CT2	Certificate	Full
UAA	DISS	Disability Services	OEC	Occupational Endorsement Cert	Full
UAA	EACH	Early Childhood	BA	Bachelor of Arts	Half or More
UAS	ENEC	Early Childhood	EDE	Educational Endorsement	Half or More
UAA	ERCH	Early Childhood	PBCT	Post Baccalaureate Cert	Half or More
UAA	ECDV	Early Childhood Development	AAS	Associate of Applied Science	Half or More
UAA	ECDV	Early Childhood Development	CT1	Certificate	Half or More
UAA	BAEC	Early Childhood Education	BA	Bachelor of Arts	Half or More
UAS	ECED	Early Childhood Education	TC	Credential Endorsement	Half or More
UAS	ECED	Early Childhood Education	CT2	Certificate	Full
UAF	ECED	Early Childhood Education	AAS	Associate of Applied Science	Full
UAF	ECED	Early Childhood Education	CT2	Certificate	Full
UAS	ECED	Early Childhood Education	AAS	Associate of Applied Science	Full
UAS	ECED	Early Childhood Education	MED	Master of Education	Half or More
UAA	ECSE	Early Childhood Spec Educ	MED	Master of Education	Full
UAF	ERSI	Earth Science	BA	Bachelor of Arts	Half or More
UAF	ECON	Economics	BA	Bachelor of Arts	Half or More
UAF	ECON	Economics	BBA	Bachelor of Business Admin.	Half or More
UAS	EECE	Ed Cert - Early Childhood Ed	GLI	Graduate Licensure Program	Half or More
UAS	EEDT	Ed Cert - Education Technology	GLI	Graduate Licensure Program	Half or More
UAS	EEED	Ed Cert - Elementary Education	GLI	Graduate Licensure Program	Half or More
UAS	EMT5	Ed Cert - Mathematics K-5	GLI	Graduate Licensure Program	Half or More
UAS	EMTH	Ed Cert - Mathematics K-8	GLI	Graduate Licensure Program	Half or More
UAS	ERED	Ed Cert - Reading	GLI	Graduate Licensure Program	Half or More
UAS	ESPE	Ed Cert - Special Education	GLI	Graduate Licensure Program	Full
UAA	EDUC	Education	MAT	Master of Arts in Teaching	Half or More
UAF	EDUC	Education	MED	Master of Education	Full
UAS	EDUC	Education	MAT	Master of Arts in Teaching	Full
UAS	EDUC	Education	MED	Master of Education	Full
UAA	EDLD	Educational Leadership	MED	Master of Education	Full
UAS	EDLD	Educational Leadership	MED	Master of Education	Half or More
UAS	EDET	Educational Technology	MED	Master of Education	Half or More
UAS	ENET	Educational Technology	EDE	Educational Endorsement	Half or More
UAF	EDPA	Educator: Para-Professional	AAS	Associate of Applied Science	Full
UAF	EDPA	Educator: Para-Professional	CT2	Certificate	Full
UAS	TCEL	Elementary Ed (K-6)	EDE	Educational Endorsement	Half or More
UAS	TCEL	Elementary Ed (K-6)	LIC	Licensure Program	Half or More
UAA	TCEL	Elementary Ed (K-6)	PBCT	Post Baccalaureate Cert	Half or More
UAA	BAEL	Elementary Education	BA	Bachelor of Arts	Half or More
UAF	BAEL	Elementary Education	BA	Bachelor of Arts	Full
UAS	BAEL	Elementary Education	BA	Bachelor of Arts	Full
UAS	ELED	Elementary Education	BED	Bachelor of Education	Full
UAS	ELED	Elementary Education	TC	Credential Endorsement	Half or More
UAS	TCEM	Elementary Education (K-8)	LIC	Licensure Program	Half or More
UAF	EMMG	Emergency Management	BEM	Bach of Emergency Management	Half or More
UAF	ENGL	English	BA	Bachelor of Arts	Half or More
UAS	ENGL	English	BA	Bachelor of Arts	Half or More
UAF	EVQS	Environmental Quality Science	MS	Master of Science	Half or More
UAF	ENVI	Environmental Studies	CT2	Certificate	Half or More

# Reference C

## University of Alaska FY13 Degree, Certificate, and Endorsement Programs Available via e-Learning

MAU	Major Code	Major Description	Degree Code	Degree Description	e-Learning Amount
UAS	ENVT	Environmental Technology	AAS	Associate of Applied Science	Full
UAF	EBOT	Ethnobotany	CT2	Certificate	Half or More
UAF	FLMI	Film	BA	Bachelor of Arts	Half or More
UAF	FSHI	Fisheries	BA	Bachelor of Arts	Half or More
UAF	FSHI	Fisheries	MS	Master of Science	Half or More
UAS	FIST	Fisheries Technology	AAS	Associate of Applied Science	Half or More
UAS	FIST	Fisheries Technology	CT2	Certificate	Half or More
UAF	FORL	Foreign Language	BA	Bachelor of Arts	Half or More
UAA	GBUS	General Business	AAS	Associate of Applied Science	Half or More
UAA	GENP	General Program	AA	Associate of Arts	Full
UAA	GENP	General Program	AA	Associate of Arts	Half or More
UAF	GENP	General Program	AA	Associate of Arts	Full
UAS	GENP	General Program	AA	Associate of Arts	Full
UAS	GENH	General Program High School	AA	Associate of Arts	Full
UAF	GSCI	General Science	MS	Master of Science	Half or More
UAF	GSCI	General Science	BS	Bachelor of Science	Half or More
UAF	GEOG	Geography	BA	Bachelor of Arts	Half or More
UAF	HCAR	Health Care Reimbursement	CT2	Certificate	Full
UAS	HIMP	Health Info Mgt Coding Spec	CT2	Certificate	Full
UAS	HIMT	Health Information Mgt	CT1	Certificate	Full
UAS	HIMT	Health Information Mgt	AAS	Associate of Applied Science	Full
UAS	HIMT	Health Information Mgt	CT2	Certificate	Full
UAS	HEAL	Health Science	AAS	Associate of Applied Science	Full
UAS	HEAL	Health Science	AAS	Associate of Applied Science	Half or More
UAS	HIT	Healthcare Information Tech	OEC	Occupational Endorsement Cert	Full
UAS	HEAP	Healthcare Privacy & Security	CT2	Certificate	Full
UAF	HIST	History	BA	Bachelor of Arts	Half or More
UAF	HMSR	Human Services	AAS	Associate of Applied Science	Half or More
UAA	HMSV	Human Services	AAS	Associate of Applied Science	Full
UAS	INDP	Independent Design	BLA	Bachelor of Liberal Arts	Full
UAF	INDI	Indigenous Studies	PHD	Doctor of Philosophy	Full
UAA	ISPS	Indust Safety Program Support	CT1	Certificate	Half or More
UAA	ITEC	Industrial Technology	AAS	Associate of Applied Science	Full
UAA	ITEC	Industrial Technology	CT2	Certificate	Full
UAS	BISY	Information Systems	AAS	Associate of Applied Science	Full
UAS	BISY	Information Systems	BS	Bachelor of Science	Half or More
UAF	INTS	Information Technology Special	AAS	Associate of Applied Science	Full
UAF	INTS	Information Technology Special	CT2	Certificate	Full
UAS	INDS	Interdisciplinary Studies	BLA	Bachelor of Liberal Arts	Full
UAF	IESK	Inupiaq Eskimo	BA	Bachelor of Arts	Half or More
UAF	JPST	Japanese Studies	BA	Bachelor of Arts	Half or More
UAF	JOUR	Journalism	BA	Bachelor of Arts	Half or More
UAF	JUST	Justice	BA	Bachelor of Arts	Full
UAS	LANA	Language Arts	BLA	Bachelor of Liberal Arts	Half or More
UAA	LGED	Language Education	GCRT	Graduate Certificate	Half or More
UAS	LART	Liberal Arts	BLA	Bachelor of Liberal Arts	Half or More
UAA	LRAD	Limited Radiography	OEC	Occupational Endorsement Cert	Half or More
UAF	LING	Linguistics	BA	Bachelor of Arts	Half or More
UAF	MBIO	Marine Biology	MS	Master of Science	Half or More
UAF	MBIO	Marine Biology	PHD	Doctor of Philosophy	Half or More
UAF	MATH	Mathematics	BA	Bachelor of Arts	Half or More
UAS	EDMA	Mathematics Education	MED	Master of Education	Half or More
UAS	ENMA	Mathematics K-8	EDE	Educational Endorsement	Half or More
UAF	MASS	Medical Assistant	AAS	Associate of Applied Science	Half or More
UAF	MASS	Medical Assistant	CT2	Certificate	Half or More
UAF	MEDB	Medical Billing	OEC	Occupational Endorsement Cert	Full
UAF	MEDC	Medical Coding	OEC	Occupational Endorsement Cert	Full
UAA	MOCD	Medical Office Coding	OEC	Occupational Endorsement Cert	Full

# Reference C

## University of Alaska FY13 Degree, Certificate, and Endorsement Programs Available via e-Learning

MAU	Major Code	Major Description	Degree Code	Degree Description	e-Learning Amount
UAF	MEOR	Medical Office Reception	OEC	Occupational Endorsement Cert	Full
UAS	MOS	Medical Office Supp	OEC	Occupational Endorsement Cert	Half or More
UAF	MDEN	Medical/Dental Reception	CT2	Certificate	Full
UAF	NRMG	Natural Res Mgmt & Geography	MNRMG	Masters of Nat Res Mgmt Geog	Half or More
UAF	NRSM	Natural Resources Management	BS	Bachelor of Science	Half or More
UAF	NRSM	Natural Resources Management	MS	Master of Science	Half or More
UAS	NESA	Network and System Administrat	OEC	Occupational Endorsement Cert	Full
UAS	NESA	Network and System Administrat	OEC	Occupational Endorsement Cert	Half or More
UAS	NETT	Network Technician	OEC	Occupational Endorsement Cert	Full
UAS	NETT	Network Technician	OEC	Occupational Endorsement Cert	Half or More
UAS	NE	Networking Essentials	OEC	Occupational Endorsement Cert	Full
UAS	NE	Networking Essentials	OEC	Occupational Endorsement Cert	Half or More
UAF	NORS	Northern Studies	BA	Bachelor of Arts	Half or More
UAF	NURA	Nurse Aide	OEC	Occupational Endorsement Cert	Full
UAS	NURN	Nursing	CT1	Certificate	Full
UAS	NURN	Nursing	CT1	Certificate	Half or More
UAA	NUED	Nursing Education	GCRT	Graduate Certificate	Full
UAS	NURS	Nursing Science	AA	Associate of Arts	Full
UAA	NURS	Nursing Science	BS	Bachelor of Science	Full
UAA	NURS	Nursing Science	MS	Master of Science	Half or More
UAA	NUTR	Nutrition	BS	Bachelor of Science	Half or More
UAA	OSHL	Occupational Safety & Health	AAS	Associate of Applied Science	Full
UAF	OCEN	Oceanography	MS	Master of Science	Full
UAF	OCEN	Oceanography	PHD	Doctor of Philosophy	Full
UAA	OFDM	Office Digital Media	OEC	Occupational Endorsement Cert	Full
UAA	OFFD	Office Foundations	OEC	Occupational Endorsement Cert	Full
UAA	OFSP	Office Support	OEC	Occupational Endorsement Cert	Full
UAA	ODLD	Outdoor Leadership	AAS	Associate of Applied Science	Half or More
UAA	PETR	Petroleum Technology	CT1	Certificate	Half or More
UAA	PHTE	Pharmacy Technology	OEC	Occupational Endorsement Cert	Full
UAA	PHLE	Phlebotomist	OEC	Occupational Endorsement Cert	Half or More
UAF	PHYS	Physics	BA	Bachelor of Arts	Half or More
UAA	PLAY	Playwriting	AFA	Associate of Fine Arts	Half or More
UAF	PSCI	Political Science	BA	Bachelor of Arts	Half or More
UAF	PBSE	Post-Bacc K-12 Spec Ed Lic Prg	GLI	Graduate Licensure Program	Full
UAF	PNRQ	Pre-Nursing Qualifications	CT2	Certificate	Half or More
UAS	PRDT	Pre-Radiologic Technology	CT1	Certificate	Full
UAA	TCPR	Principal	GCRT	Graduate Certificate	Half or More
UAA	PTEC	Process Technology	AAS	Associate of Applied Science	Half or More
UAS	PF	Programming Foundations	OEC	Occupational Endorsement Cert	Half or More
UAA	PJMT	Project Management	MS	Master of Science	Half or More
UAF	PSYC	Psychology	BA	Bachelor of Arts	Half or More
UAF	PSYC	Psychology	BS	Bachelor of Science	Half or More
UAS	PADM	Public Administration	MPA	Master of Public Admin	Full
UAA	PUHL	Public Health Practice	MPH	Master of Public Health	Full
UAS	READ	Reading	MED	Master of Education	Half or More
UAS	EDRE	Reading Specialist	MED	Master of Education	Half or More
UAS	ENRS	Reading Specialist K-12	EDE	Educational Endorsement	Half or More
UAF	RNRS	Renewable Resources	AAS	Associate of Applied Science	Half or More
UAF	RDEV	Rural Development	BA	Bachelor of Arts	Full
UAF	RDEV	Rural Development	MA	Master of Arts	Full
UAF	RUST	Russian Studies	BA	Bachelor of Arts	Half or More
UAS	SCED	Secondary Education	MAT	Master of Arts in Teaching	Half or More
UAF	TCGS	Secondary Education	LIC	Licensure Program	Full
UAF	TCGS	Secondary Education	GLI	Graduate Licensure Program	Full
UAS	SVMG	Service Management	MBA	Master of Business Admin.	Full
UAS	SMBM	Small Business Mgmt	CT2	Certificate	Full
UAS	SOCS	Social Science	BA	Bachelor of Arts	Full

# Reference C

## University of Alaska FY13 Degree, Certificate, and Endorsement Programs Available via e-Learning

MAU	Major Code	Major Description	Degree Code	Degree Description	e-Learning Amount
UAA	SWRK	Social Work	MSW	Master of Social Work	Half or More
UAF	SWRK	Social Work	BA	Bachelor of Arts	Full
UAF	SOCL	Sociology	BA	Bachelor of Arts	Half or More
UAS	ENSE	Special Education	EDE	Educational Endorsement	Full
UAA	SPED	Special Education	GCRT	Graduate Certificate	Full
UAA	SPED	Special Education	MED	Master of Education	Full
UAF	SPED	Special Education	MED	Master of Education	Full
UAS	SPED	Special Education	BA	Bachelor of Arts	Full
UAS	SPED	Special Education	MAT	Master of Arts in Teaching	Half or More
UAS	SPED	Special Education	MED	Master of Education	Full
UAA	ENSU	Superintendent	GCRT	Graduate Certificate	Full
UAF	TCSC	Teach Cred-Sec Ed	ULC	Undergrad Licensure Program	Half or More
UAA	TLRN	Teaching and Learning	MED	Master of Education	Half or More
UAA	TECH	Technology	BS	Bachelor of Science	Half or More
UAF	THTR	Theatre	BA	Bachelor of Arts	Half or More
UAF	TRIB	Tribal Management	AAS	Associate of Applied Science	Full
UAF	TRIB	Tribal Management	CT2	Certificate	Full
UAS	WVO	Wastewater Operations	OEC	Occupational Endorsement Cert	Full
UAS	WO	Water Operations	OEC	Occupational Endorsement Cert	Full
UAS	WA	Web Authoring	OEC	Occupational Endorsement Cert	Half or More
UAS	WEBD	Web Development	OEC	Occupational Endorsement Cert	Half or More
UAS	WEDA	Web Development and Administra	OEC	Occupational Endorsement Cert	Full
UAS	WEDA	Web Development and Administra	OEC	Occupational Endorsement Cert	Half or More
UAS	WEBF	Web Foundations	OEC	Occupational Endorsement Cert	Half or More
UAF	YESK	Yup'ik Eskimo	BA	Bachelor of Arts	Half or More
UAF	YULC	Yup'ik Language and Culture	BA	Bachelor of Arts	Half or More

Source: Data supplied by MAUs via UA Information Systems: UA Decision Support Database (RP1PDSDMGR) 2013. Compiled by UA Institutional Research and Analysis.