

**MINUTES OF THE MEETING OF THE GRADUATE ACADEMIC POLICIES AND
PROCEDURES COMMITTEE
November 16, 2020**

The Graduate AP&P Committee met on Monday, November 16, 2020 at 3:00 p.m. via Zoom.

Members present: Laura Padgett, Victor Mansure, Jamie Yarborough, Jason Miller, Susan Staub, Mark Bradbury, Dalton Sizemore, Ray Williams, Sandi Lane, Tim Forsyth, Gary McCullough, Eric Berry, Rajat Panwar, Mike McKenzie, Katherine Ledford, Jerianne Taylor, Marie Hoepfl, Terry McClannon, Adam McCourry, Lucy Purgason, Agnes Gambill, Brian Whitaker, Jonathon Stickford, Neel Das

Visitors present and introduced – Scott Hunsinger, Tim Huelsman, Lakshmi Iyer, Phillip Ardoin, Adryona Nelson (online form reviews)

1. CALL TO ORDER

Chairperson Susan Staub called the meeting to order at 3:00 p.m. Lucy Purgason, new member, was introduced.

2. APPROVAL OF THE MINUTES

MOTION 1: A motion was made (Mansure) and seconded (Sizemore) to approve the minutes of the October 19, 2020 GAPP meeting. A vote was taken. MOTION PASSED.

3. NEW BUSINESS

A. Curriculum Proposals

College of Arts and Sciences

Department of Government & Justice Studies

G_CAS_GJS_2020_1: Add PA 5561 Economic Development: Practice and Profession (3), currently taught as a Selected Topics course.

MOTION 2: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

College of Fine and Applied Arts

Department of Applied Design

GU_FAA_AD_IND_2020_01: Delete the graduate level course IND 5555 – Contemporary Industrial Finishing and change the course description for the undergraduate level course IND 4555 – Contemporary Industrial Finishing.

GU_FAA_AD_IND_2020_02: Delete the graduate level course IND 5557 - Design for

Manufacture and change the course description for the undergraduate level course IND 4557 - Design for Manufacture.

GU_FAA_AD_IND_2020_03: Delete the graduate level course IND 5565 - Applied Furniture Design and Construction and change the course description for the undergraduate level course IND 4565 - Applied Furniture Design and Construction.

MOTION 3: A motion was brought forward from the Curriculum Subcommittee for approval of proposals 1 - 3. A vote was taken. MOTION PASSED.

Walker College of Business

Master of Business Administration

G_COB_MBA_2020_1: Create a new course, MBA 5260 – Introduction to Business Analytics and Information Systems (3).

MOTION 4: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

Department of Management

G_COB_MGT_2020_1: Change course description of MGT 5900 – Internship as follows: (1) 6 credit hours to 1-6 credit hours. (2) When offered from Summer Session to “On Demand.” (3) Remove admission to candidacy a prerequisite.

MOTION 5: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

Department of Computer Information Systems

G_COB_CIS_2020_1: Create new course, CIS 5685 – Programming for Business Analytics (3).

MOTION 6: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

MS in Applied Data Analytics

G_COB_MSADA_2020_1: Change the POS for the MSADA as follows: (1) Add CIS 5685: Programming for Business Analytics as an alternate option for CS 5245: Data Programming (2) Add PSY 5030: Quantitative Methods in Psychology as an

alternate option for MBA 5200: Problem Analysis for Quantitative Methods. This change applies to all five MSADA concentrations: Supply Chain, Health Care, Marketing, Sustainability and Interdisciplinary Analytics.

MOTION 7: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

G_COB_MSADA_2020_2: Change POS for MSADA Interdisciplinary Concentration to add commonly-taken courses to the list of preapproved electives.

MOTION 8: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

G_COB_MSADA_2020_3: Create Dual-Degree program for MSADA-MBA.

MOTION 9: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

G_COB_GCERT_BA_1: Change the POS for the Graduate Certificate in Business Analytics to add commonly-taken courses to the list of preapproved electives.

MOTION 10: A motion was brought forward from the Curriculum Subcommittee for approval. A vote was taken. MOTION PASSED.

B. Policy Proposals

G_GRAD_2020_1: Change the eligibility requirements to qualify for Graduate School fellowship awards (Diversity, Chancellor's, Provost's, and Hirschvogel), and change the nomination process for Diversity Fellowship consideration.

MOTION 11: A motion was brought forward from the Policy Subcommittee for approval. A vote was taken. MOTION PASSED.

G_GRAD_2020_2: Change the Bulletin language for Certificate programs to: (1) limit the number of dual-listed courses allowed in the Program of Study to no more than 25% of total required courses, and (2) limit the number of independent study and selected topics to no more than a combined 25% of the Program of Study.

MOTION 12: A motion was brought forward from the Policy Subcommittee for approval. A vote was taken. MOTION PASSED.

G_GRAD_2020_3: Change the Bulletin language for Non-Degree Coursework and the amount of coursework taken as a certificate student that can later be applied to a degree program.

MOTION 13: A motion was brought forward from the Policy Subcommittee for approval. A vote was taken. MOTION PASSED.

4. DISCUSSION ITEMS

- a. Mike McKenzie thanked the committees for their work on the proposals. He announced that Charity Chicoine will not be able to get students cleared prior to the holiday. She will not have final grades until December 21st. It will likely be when she returns in January that they will be cleared. Marie will also have information later than usual to complete her processes for suspensions. The delays were due to the changes in the academic calendar due to Covid-19 restrictions.
- b. Marie Hoepfl reported that the Graduate School did adopt the changes in deadline for late drop. She also announced that assistantship paperwork will be delayed for the spring. This also has to do with the late drop extension. It has to be determined that students are in good academic standing prior to the paperwork being completed. New forms may be sent in in early January. She acknowledged Tim Forsyth for his work with GAPP and congratulated him on his retirement. She also announced the program director's meeting next Monday.

5. ADJOURNMENT

Chairperson Staub asked for a motion to adjourn. The motion was made (Sizemore) and seconded (Lane). A vote was taken. The motion passed.

ADENDUM
MINUTES OF THE MEETING OF THE GRADUATE ACADEMIC POLICIES AND
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November 16, 2020

G_CAS_GJS_2020_1

Add PA 5561 Economic Development: Practice and Profession (3), currently taught as a Selected Topics course.

PA 5561 Economic Development: Practice and Profession (3) Introductory course on local and state economic development, to include theory, policy, process and practice. A focus on the practitioner's role in enhancing an economy through quality-of-life concepts, capital investment and job creation factors is stressed. Activities and ethics of a professional developer are considered throughout the course.

GU_FAA_AD_IND_2020_01

Delete the graduate level course IND 5555 – Contemporary Industrial Finishing and change the course description for the undergraduate level course IND 4555 – Contemporary Industrial Finishing.

a. List the current catalog copy (including dual- or cross-listed information, if applicable). Attach separate sheet if more space needed.

IND 5555 - Contemporary Industrial Finishing (2) When Offered: On Demand

Care and maintenance of finishing equipment; selection and use of spray equipment; preparation of the surface to be finished, staining and filling undercoating, top coating, oil finishes, application of simple and synthetic finishes.

Prerequisite: IND 2005 (Wood Technology). [Dual-listed with IND 4555.]

IND 4555 - Contemporary Industrial Finishing (2) When Offered: On Demand

Care and maintenance of finishing equipment; selection and use of spray equipment; preparation of the surface to be finished, staining and filling undercoating, top coating, oil finishes, application of simple and synthetic finishes. Lecture one hour, laboratory two hours.

b. List the proposed catalog copy (including dual- or cross-listed information, if applicable). Attach separate sheet if more space needed.

IND 4555 - Contemporary Industrial Finishing (2) When Offered: On Demand

Care and maintenance of finishing equipment; selection and use of spray equipment; preparation of the surface to be finished, staining and filling undercoating, top coating, oil finishes, application of simple and synthetic finishes. Lecture one hour, laboratory two hours. Prerequisite: IND 2005.

GU_FAA_AD_IND_2020_02

Delete the graduate level course IND 5557 - Design for Manufacture and change the course description for the undergraduate level course IND 4557 - Design for Manufacture.

a. List the current catalog copy (including dual- or cross-listed information, if applicable). Attach separate sheet if more space needed.

IND 5557 - Design for Manufacture (3) When Offered: Fall

The theoretical design, development, and mass production of a manufactured product. To include market survey, design selection, prototype, construction, development of jigs and fixtures, and implementation of process planning and control systems.

[Dual-listed with IND 4557.]

IND 4557 - Design for Manufacture (3) When Offered: Fall

The theoretical design, development, and mass production of a manufactured product. To include market survey, design selection, prototype, construction, development of jigs and fixtures, and implementation of process planning and control systems. Lecture two hours, laboratory two hours.

b. List the proposed catalog copy (including dual- or cross-listed information, if applicable). Attach separate sheet if more space needed.

IND 4557 - Design for Manufacture (3) When Offered: Fall

The theoretical design, development, and mass production of a manufactured product. To include market survey, design selection, prototype, construction, development of jigs and fixtures, and implementation of process planning and control systems. Lecture two hours, laboratory two hours.

Prerequisite: IND 2000

GU_FAA_AD_IND_2020_03

Delete the graduate level course IND 5565 – Applied Furniture Design and Construction and change the course description for the undergraduate level course IND 4565 - Applied Furniture Design and Construction.

a. List the current catalog copy (including dual- or cross-listed information, if applicable). Attach separate sheet if more space needed.

IND 5565 - Applied Furniture Design and Construction (4) When Offered: On Demand

The study of traditional and contemporary furniture, and its importance, design, and construction procedures. The student may design and construct a piece of traditional or contemporary furniture.

Prerequisite: IND 3025 (Advanced Wood Technology). [Dual-listed with IND 4565.]

IND 4565 - Applied Furniture Design and Construction (4) When Offered: On Demand

The study of traditional and contemporary furniture, and its importance, design, and construction procedures. The student may design and construct a piece of traditional or

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contemporary furniture. Lecture two hours, laboratory four hours.

Prerequisite: IND 3025.

[Dual-listed with IND 5565.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

b. List the proposed catalog copy (including dual- or cross-listed information, if applicable).

Attach separate sheet if more space needed.

IND 4565 - Applied Furniture Design and Construction (4) When Offered: On Demand

The study of traditional and contemporary furniture, and its importance, design, and construction procedures. The student may design and construct a piece of traditional or contemporary furniture. Lecture two hours, laboratory four hours.

Prerequisite: IND 3025.

G_COB_MBA_2020_1

Create a new course, MBA 5260 – Introduction to Business Analytics and Information Systems (3).

This course will introduce students to the foundations of Business Analytics and Information Systems (IS). Students will utilize spreadsheet technology to apply business analytics concepts such as extracting information from data, creating data visualizations through charts, performing data modeling with pivot tables, along with using other tools in order to solve business problems and to support managerial decisions. Students will also become familiar with the conceptual and technical foundations, components, and capabilities of IS, particularly as related to the management, manipulation, and reporting of data. PREREQUISITE: Admission the MBA Program; or Approval of MBA Program Director.

G_COB_MGT_2020_1

Change course description of MGT 5900 – Internship as follows:

(1) 6 credit hours to 1-6 credit hours.

(2) When offered from Summer Session to “On Demand.”

(3) Remove admission to candidacy a prerequisite.

G_COB_CIS_2020_1

Create new course, CIS 5685 – Programming for Business Analytics (3).

CIS 5685 Programming for Business Analytics (3) When Offered: Spring

This course focuses on utilizing a popular programming language in the analytics domain with associated tools for the design and construction of analytics applications. Emphasis is on the use of structured techniques and the integration of application libraries for data extraction, model implementation and visualization.

PREREQUISITE: Admission to the MS in Applied Data Analytics, MBA Program, Business Analytics Certificate Program or approval of MS in Applied Data Analytics Program Director.

G_COB_MSADA_2020_1

Change the POS for the MSADA as follows:

(1) Add CIS 5685: Programming for Business Analytics as an alternate option for CS 5245: Data Programming

(2) Add PSY 5030: Quantitative Methods in Psychology as an alternate option for MBA 5200: Problem Analysis for Quantitative Methods. This change applies to all five MSADA concentrations: Supply Chain, Health Care, Marketing, Sustainability and Interdisciplinary Analytics.

REVISED REQUIRED COURSES FOR MS – APPLIED DATA ANALYTICS

NOTE: The below revision applies to required (major block) courses only. All POS concentrations are impacted by this change but no revisions are being requested in the individual concentrations themselves. Based on recommendation from Graduate School, the concentration (blocks) information is not included here.

Program of Study for the Master of Science in Applied Data Analytics

Admission Requirements: Baccalaureate degree from an accredited college or university; complete application to the Graduate School; official general GMAT or GRE exam scores, unless waived; evidence of knowledge in statistics, economics, and domain specific knowledge for the concentration through course work, work experience or completion of the accelerated prerequisite program before taking graduate course work in those subjects.

To be considered for admission, applicants must meet the criteria for admission to the Graduate School. Meeting these criteria does not guarantee acceptance.

Standardized Exam Waiver Eligibility: The standardized exam (GMAT or GRE) requirement may be waived for applicants who:

- Have five or more years of full-time, professional work or military experience; OR
- Have completed a graduate certificate in Business Analytics at Appalachian State University with a minimum GPA of 3.5 or higher; OR
- Who hold verified membership in Beta Gamma Sigma.
- Have completed an undergraduate degree from Appalachian State University with a 3.5 or higher GPA

Accelerated Admissions Option: This program offers an accelerated admission option for undergraduate students currently enrolled at Appalachian State University.

Location: On Campus

Additional Information about Standardized Exam Waiver Eligibility

Any standardized exam waiver for a graduate degree program at Appalachian State requires that applicants hold a minimum cumulative undergraduate GPA of 3.0 or higher in their last earned degree (undergraduate or graduate; some programs have established higher

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GPA requirements). No exam waiver is automatic but will require review and approval by the Graduate School upon submission of a complete application. An approved waiver request does not guarantee acceptance into the program. A denied waiver request does not mean that a candidate is denied admission to the program, only that a standardized exam score is needed to more fully evaluate the application. Standardized test scores may be required for scholarship consideration.

Course Requirements for the Master of Science in Applied Data Analytics

Total Required (Minimum 36

Hours) Required

Courses (27 Hours) Core

Courses (24 Hours)

CIS 5450 - Project Management and
Visualization (3) CIS 5630 - Data Management

(3)

CIS 5845 – Unstructured Data Analytics (3)

CIS 5685 – Programming for Business Analytics (3) OR C S 5245 - Data

Programming (3) ECO 5720 - Applied Econometrics (3)

ECO 5740 - Forecasting and Time Series Models (3)

MBA 5200 - Problem Analysis and Quantitative Methods (3) **OR PSY 5030 Quantitative**

Methods in Psychology (3)

MBA 5660 - Web Analytics, Data Privacy and Security (3)

MBA 5820 - Executive Skills (0) ~~All students must enroll in this course during their
final semester.~~

Thesis or Non-Thesis Option (3 Hours)

CIS 5860 - Applied Analytics Project (1-6) (3 hours)

MBA 5999 - Thesis (1-6) (3 hours)

G_COB_MSADA_2020_2

Change POS for MSADA Interdisciplinary Concentration to add commonly-taken courses to the list of preapproved electives.

Applied Data Analytics - Interdisciplinary Analytics Concentration, MS

Program Code:

MS_304D CIP Code:

11.0802

Program of Study for the Master of Science in Applied Data Analytics

Admission Requirements: Baccalaureate degree from an accredited college or university; complete application to the Graduate School; official general GMAT or GRE exam scores, unless waived; evidence of knowledge in statistics, economics, and domain specific knowledge for the concentration through course work, work experience or completion of the accelerated prerequisite program before taking graduate course work in those subjects.

To be considered for admission, applicants must meet the criteria for admission to the Graduate School. Meeting these criteria does not guarantee acceptance.

Standardized Exam Waiver Eligibility: The standardized exam (GMAT or GRE) requirement may be waived for applicants who:

- Have five or more years of full-time, professional work or military experience; OR
- Have completed a graduate certificate in Business Analytics at Appalachian State University with a minimum GPA of 3.5 or higher; OR
- Who hold verified membership in Beta Gamma Sigma.
- Have completed an undergraduate degree from Appalachian State University with a 3.5 or higher GPA

Accelerated Admissions Option: This program offers an accelerated admission option for undergraduate students currently enrolled at Appalachian State University.

Location: On Campus

Additional Information about Standardized Exam Waiver Eligibility

Any standardized exam waiver for a graduate degree program at Appalachian State requires that applicants hold a minimum cumulative undergraduate GPA of 3.0 or higher in their last earned degree (undergraduate or graduate; some programs have established higher GPA requirements). No exam waiver is automatic but will require review and approval by the Graduate School upon submission of a complete application. An approved waiver request does not guarantee acceptance into the program. A denied waiver request does not mean that a candidate is denied admission to the program, only that a standardized exam score is needed to more fully evaluate the application. Standardized test scores may be required for scholarship consideration.

Course Requirements for the Master of Science in Applied Data

Analytics Total Required (Minimum 36 Hours)

Required Courses (27 Hours)

Core Courses (24 Hours)

CIS 5450 - Project Management and
Visualization (3) CIS 5630 - Data Management

(3)

CIS 5845 - Unstructured Data Analytics (3)

CIS 5685 Programming for Business Analytics OR C S 5245 - Data Programming (3)
(Refer to

G_COB_MSADA_2020_1)

ECO 5720 - Applied Econometrics (3)

ECO 5740 - Forecasting and Time Series Models (3)

MBA 5200 - Problem Analysis and Quantitative Methods (3) OR PSY5030
Quantitative Methods in Psychology (3)

MBA 5660 - Web Analytics, Data Privacy and Security (3)

MBA 5820 - Executive Skills (0) All students must enroll in this course during their
final semester. Thesis or Non-Thesis Option (3 Hours)

MBA 5999 - Thesis (1-6) (3 Hours)

CIS 5860 - Applied Analytics Project (1-6) (3 Hours)

Concentration Requirements (9 Hours)

Choose 9 hours from the following list after consultation with the program director;
other course options require permission from the program director and permission of
the home department for the course.

BIO 5777 - Biostatistics (4)

C S 5710 - Data Mining and Knowledge Discovery in Scientific
Data (3) GHY 5812 - Advanced GIS (3)

MAT 5340 - Introduction to Operations Research (3)

MBA 5020 - International Experience (3) (Focus of experience -
Analytics) MBA 5870 - Analytical Models for Supply Chain
Management (3)

MBA 5680 - Six Sigma, Lean and Quality Management (3)

ACC 5260 Advanced Excel and Oracle ERP

Analytics (3) ECO 5621 Environmental Economics and
Policy (3)

ECO 5660 Benefit-Cost Analysis (3)

HCM 5210 Foundations of the US Healthcare System (Required)

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HCM 5590 Performance Improvement concepts and applications in health care
HCM 5700 Healthcare Informatics (Electronic health records, coding, legislation and reform, etc)
HCM 5720 Healthcare Analytics (SAS, healthcare data sets, revisit foundations of analytics (3)
HIS 5595 Digital History (3)
MBA 5080 Sustainable Business for a Global Economy (Required) (3)
MBA 5240 Sustainability Performance Assessment (3)
MKT 5050 Marketing Analytics
(3) MKT 5550 International Marketing (3)

Other Requirements for the MS in Applied Data Analytics

Thesis: Optional

Proficiency: Not required Candidacy:

Required

Students must demonstrate knowledge and ability in technology, statistical methods, business case analysis and professional presentation skills through a program level final project reviewed presentation.

Comprehensive: Not required

Product of Learning: Not required

G_COB_MSADA_2020_3

Create Dual-Degree program for MSADA-MBA.

(wording directly from the proposal) Create a program of study for a Dual Degree arrangement between the Master of Science in Applied Data Analytics (MS) and Master of Business Administration (MBA) programs. Only for the Interdisciplinary concentration for both programs.

Dual Degree in Master of Science Applied Data Analytics-Interdisciplinary Analytics Concentration (MS) and Master of Business Administration-

Interdisciplinary Business Concentration (MBA)

Admission Requirements: Baccalaureate degree from an accredited college or university; complete application to the Graduate School; official general GMAT or GRE exam scores, unless waived; evidence of knowledge in statistics, financial accounting, economics, corporate finance, marketing, and organizational behavior through course work, work experience or completion of the accelerated prerequisite program before taking graduate course work in those subjects.

To be considered for admission, applicants must meet the criteria for admission to the Graduate School. Meeting these criteria does not guarantee acceptance.

Standardized Exam Waiver Eligibility: The standardized exam (GMAT or GRE) requirement may be waived for applicants who:

- Have five or more years of full-time, professional work or military experience; **OR**
- Have a cumulative undergraduate GPA of 3.6 or higher in a degree earned at Appalachian State University; **OR**
- Who hold verified membership in Beta Gamma Sigma.

Accelerated Admissions Option: This program offers an accelerated admission option for undergraduate students currently enrolled at Appalachian State University.

Location: On Campus

Additional Information about Standardized Exam Waiver Eligibility

Any standardized exam waiver for a graduate degree program at Appalachian State requires that applicants hold a minimum cumulative undergraduate GPA of 3.0 or higher in their last earned degree (undergraduate or graduate; some programs have established higher GPA requirements). No exam waiver is automatic but will require review and approval by the Graduate School upon submission of a complete application. An approved waiver request does not guarantee acceptance into the program. A denied waiver request does not mean that a candidate is denied admission to the program, only that a standardized exam score is needed to more fully evaluate the application. Standardized test scores may be required for scholarship consideration.

Course Requirements for the Dual Degree in Master of Science in Applied Data Analytics (MS)
Interdisciplinary Concentration and Master of Business Administration (MBA) Interdisciplinary
Concentration

Total Required (Minimum 54 Hours)

MS Applied Data Analytics Required Courses (24 hours)

CIS 5685 Programming for Business Analytics (3)
OR (Refer to G_COB_MSADA_20_20_1) CS 5245 Data Programming (3)

CIS 5630 Data Management (3)
CIS 5450 Project Management and Visualization (3)
MBA 5660 Web Analytics, Data Privacy, and Security (3)
ECO 5720 Applied Econometrics (3)
ECO 5740 Forecasting and Time Series Models (3)
CIS 5845 Unstructured Data Analytics (3)
CIS 5860 Applied Analytics Project (3)

MBA Required Courses (18 hours)

MBA 5110 - Economics for Decision-Making (3)
MBA 5220 - Operations and Supply Chain Management (3)
MBA 5320 - Managerial Accounting (3)
MBA 5420 - Marketing Strategy and Applications (3)
MBA 5600 - Managerial Finance (3)
MBA 5750 - Strategic Management (3)

Shared Required Courses (3 hours)

MBA 5200 - Problem Analysis and Quantitative Methods (3) **OR PSY 5030**
Quantitative Methods in Psychology (3)
MBA 5820 Executive Skills (0)

Elective Courses (Minimum 9 hours) (Refer to G_COB_MSADA_2020_2)

Graduate Electives from the list below or as approved by MSADA and MBA directors
Students are required to work with both program advisors each semester to determine
appropriate program of study and course scheduling.

ACC 5260 Advanced Excel and Oracle ERP Analytics (3)
BI0 5777 Biostatistics (4)
ECO 5621 Environmental Economics and Policy (3)
ECO 5660 Benefit-Cost Analysis (3)
GHY 5812 Advanced GIS (3)
HCM 5210 Foundations of the US Healthcare System (3)
HCM 5590 Performance Improvement concepts and applications in health care (3)
HCM 5700 Healthcare Informatics (3)
HCM 5720 Healthcare Analytics (3)
HIS 5595 Digital History (3)
MBA 5020 International Experience (3) with Analytics focus

CURRENT

MBA	5080	Sustainable Business for a Global Economy (Required) (3)
MBA	5240	Sustainability Performance Assessment (3)
MBA	5680	Six Sigma, Lean and Quality Management (3)
MBA	5870	Analytical Models for Supply Chain Management (3)
MKT	5050	Marketing Analytics (3)
MKT	5550	International Marketing (3)

Other Requirements for the Dual Degree Program:

Differential Tuition: Students enrolled in the dual degree will pay an additional tuition amount above the regular tuition assessed for graduate students on those courses that satisfy the requirements. For more information about differential tuition, please refer to <http://studentaccounts.appstate.edu/tuition-and-fees>

Thesis: Optional

Proficiency: Not required

Candidacy: Required

Comprehensive: Not required

Product of Learning: Not required

Note on Candidacy

Students must demonstrate knowledge and exposure to international business and culture before completion of the degree program, through approved activities such as short-term study abroad, completion of a course with an international theme, international internship, practicum with an international theme, or other activities as approved by the program director.

G_COB_GCERT_BA_1

Change the POS for the Graduate Certificate in Business Analytics to add commonly-taken courses to the list of preapproved electives.

Business Analytics Graduate Certificate

Program Code:

GCERT_340A CIP Code:

11.0802

Program of Study for the Graduate Certificate in Business Analytics

Admission Requirements: Baccalaureate degree from an accredited college or university; complete application to the Graduate School; evidence of knowledge in statistics, economics, corporate finance, and marketing through course work, work experience or completion of the accelerated prerequisite program before taking graduate course work in those subjects.

To be considered for admission, applicants must meet the criteria for admission to the Graduate School. Meeting this condition does not guarantee admission.

CURRENT

Location: On Campus

Course Requirements for the Graduate Certificate in Business Analytics

Total Required (Minimum 15 Hours)

Required Courses (9 Hours)

MBA 5200 - Problem Analysis and Quantitative Methods (3)

MBA 5230 - Fundamentals of Business Analytics (3) OR ACC5250 Fundamentals of Business Analytics (3)

CIS 5630 - Data Management (3)

Electives (Minimum 6 Hours)

Choose from the following list.

Electives outside of business require approval of the department offering the course; other course options require permission from the program director.

MBA 5660 - Web Analytics, Data Privacy and Security (3)

MBA 5870 - Analytical Models for Supply Chain Management

(3) ECO 5740 - Forecasting and Time Series Models (3)

C S 5710 - Data Mining and Knowledge Discovery in Scientific

Data (3) BIO 5777 - Biostatistics (4)

GHY 5812 - Advanced GIS (3)

ACC 5260 Advanced Excel and Oracle ERP Analytics (3)

HCM 5700 Healthcare Informatics (3)

HIS 5595 Digital History (3)

MKT 5050 Marketing Analytics (3)

G_GRAD_2020_1

Change the eligibility requirements to qualify for Graduate School fellowship awards (Diversity, Chancellor's, Provost's, and Hirschvogel), and change the nomination process for Diversity Fellowship consideration.

CURRENT

Diversity Fellowships - Priority Review Deadline March 10

Appalachian State's Diversity Statement reads, *Appalachian State University is committed to developing and allocating resources to the fundamental task of creating a diverse campus culture. We value diversity as the expression of human similarities and differences, as well as the importance of a living and learning environment conducive to knowledge, respect, acceptance, understanding and global awareness.* In support of this statement, the Graduate School offers fellowships to students who bring a wide range of diversity to graduate programs. Interested students should talk to their respective program directors about being considered for this fellowship at the time of admission.

Criteria for Eligibility and Guidelines for Nomination

- New students must be unconditionally admitted to a campus-based degree program at Appalachian for Summer or Fall
- Student must have full-time status (minimum enrollment in 9 graduate credit hours)
- Nomination from the graduate degree program
- Students must remain in good standing
- Given that this is a competitive award, GPA, test scores (if available), and the program recommendation will be taken into consideration when making the awards.

Guidelines for Nomination

Chancellor's Fellowships and the Lovill Fellowship - Priority Review Deadline March 10

We anticipate that up to eight Chancellor's Fellowships and one Lovill Fellowship will be awarded to outstanding **new** graduate students each academic year. If you are applying for Summer or Fall admission you will automatically be considered if you check "yes" to the scholarship question on the admission application and you meet the eligibility criteria. Eligible students will be provided the fellowship application after the March 10 deadline.

Chancellor's Fellows should meet the following criteria:

- Unconditional admission to a graduate degree program at Appalachian for Summer or Fall.
- Full-time status intended (minimum enrollment in 9 graduate credit hours).
- Cumulative GPA of at least 3.7 for each college degree earned.
- 70th percentile or higher on each section of the required entrance exam (GRE, MAT, GMAT) using scores that are no more than 5 years old. Old test scores will not be considered. If your program gave you a standardized exam waiver for admission purposes but you meet the GPA requirement listed above, you can consider taking the exam used by your program if you wish to be considered for the Chancellor's or Lovill Fellowship.

CURRENT

Chancellor's Fellows who demonstrate excellence their first year by maintaining a 3.7 GPA will automatically receive a second year of funding.

Provost's Fellowships - Priority Review Deadline March 10

We anticipate that up to eight Provost's Fellowships will be awarded to outstanding **new or continuing** graduate students. Applicants will be required to provide a 500 word essay on the importance of graduate education to their career goals.

- New summer or fall students: Apply by checking "yes" to the scholarship consideration question on the admission application. Finalists will be contacted directly by the graduate school after March 10 to upload the essay.
- Continuing students should contact [Dr. Marie Hoepfl](#), Associate Dean, to inquire about eligibility to apply for the Provost Fellowship between January 15 and March 1 of each year.

To be considered for the Provost's Fellowship, you should have:

- Unconditional admission to a graduate degree program at Appalachian.
- Full-time status (minimum enrollment in 9 graduate credit hours per semester).
- New students: A GPA in all college degrees of at least 3.5.
- Returning students: A 3.7 graduate GPA at Appalachian.
- Standardized test scores (GRE, MAT, GMAT) at or above the 60th percentile using scores that are no more than 5 years old. Old test scores will not be considered. If your program gave you a standardized exam waiver for admission purposes but you meet the GPA requirement listed above, you can consider taking the exam used by your program if you wish to be considered for the Provost's Fellowship.

The Provost's Fellowship is not automatically renewable, but students may apply again next year to compete for a second award.

Hirschvogel Fellowships - Deadline April 19

The Hirschvogel Foundation has provided three graduate fellowships each year at Appalachian State University. These fellowships are for outstanding students planning to seek a master's degree in business or STEM (science, technology, engineering or mathematics.). Each fellow will receive \$2,000 for the academic year.

Criteria for Eligibility and Guidelines

- Full-time status (minimum enrollment in 9 graduate credit hours).
- Good standing (3.0 GPA or above).
- Given that this is a competitive award, GPA, test scores (if available), and program recommendation will be taken into consideration when making the awards.
- A short essay is required.

PROPOSED

Diversity Fellowships - Completed Application Deadline March 1

Appalachian State's Diversity Statement reads: *Appalachian State University is committed to developing and allocating resources to the fundamental task of creating a diverse campus culture. We value diversity as the expression of human similarities and differences, as well as the importance of a living and learning environment conducive to knowledge, respect, acceptance, understanding and global awareness.* In support of this commitment, the School of Graduate Studies offers fellowships to degree-seeking students who bring a wide range of diversity to graduate programs. Diversity Fellows receive a \$2,000 scholarship and 10 hours/week of graduate assistantship funding from the School of Graduate Studies (\$4500 for the academic year). Diversity Fellowships will be renewed for a second year for continuing students if the student remains in good academic standing. We anticipate offering Diversity Fellowships to 10 new and 10 returning students per year.

Criteria for Eligibility

- New students must be unconditionally admitted for Summer or Fall to a main campus degree program at Appalachian.
- Returning students must be in good academic standing. The Graduate School will verify academic standing prior to renewing Diversity Fellowships for a second year.
- Full-time status intended/maintained (minimum enrollment in 9 graduate credit hours per semester).
- Applicants' GPA, resume, and the quality of the self-nomination essay will be taken into consideration when making the awards.

Guidelines for Self-Nomination

Applicants with completed applications submitted by the March 1 deadline will be invited to self-nominate for the Diversity Fellowship via a 600-word essay describing how they believe they will contribute to the diversity of campus and of their programs.

Chancellor's Fellowships and the Lovill Fellowship – Completed Application Deadline March 1

Up to seven Chancellor's Fellowships (anticipated at \$6,250 for the academic year) and one Lovill Fellowship (anticipated at \$8,830 for the academic year) will be awarded to outstanding **new** graduate students each academic year. Eligible students who have submitted complete applications by the March 1 deadline will be sent details about the fellowship application process and will be invited to apply. As part of this process they will be required to write an essay that responds to given prompts. Applications will be reviewed by a multidisciplinary scholarship committee, and the top-ranking applicant will receive the Lovill Fellowship. Continuing students who demonstrated excellence during their first year by maintaining a 3.75 or higher GPA will automatically receive a second year of funding.

PROPOSED

Criteria for Eligibility

- Unconditional admission to a main campus graduate degree program at Appalachian for Summer or Fall.
- Cumulative GPA of at least 3.75 for the most recent college degree (bachelor's or higher) earned.
- Full-time status intended/maintained (minimum enrollment in 9 graduate credit hours).
- Applicants' GPA, resume, and the quality of the fellowship essay will be taken into consideration when making the awards.

Provost's Fellowships - Priority Review Deadline March 1

Up to five Provost's Fellowships (anticipated at \$4166 for the academic year) will be awarded to outstanding **new** graduate students. Eligible students who have submitted complete applications by the March 1 deadline will be sent details about the fellowship application process and will be invited to apply. As part of this process they will be required to write an essay that responds to given prompts. Continuing students who demonstrated excellence during their first year by maintaining a GPA of 3.6 or higher will automatically receive a second year of funding.

Criteria for Eligibility

- Unconditional admission to a main campus graduate degree program at Appalachian for Summer or Fall.
- Cumulative GPA of at least 3.6 in the most recent college degree (bachelor's or higher) earned.
- Full-time status intended/maintained (minimum enrollment in 9 graduate credit hours per semester).
- Applicants' GPA, resume, and the quality of the fellowship essay will be taken into consideration when making the awards.

Hirschvogel Fellowships - Deadline March 1

The [Hirschvogel Foundation](#) has provided three graduate fellowships each year at Appalachian State University. These fellowships are for outstanding **new or continuing** students seeking or planning to seek a master's degree in business or STEM (science, technology, engineering or mathematics) fields of study. Each fellow will receive \$2,000 for the academic year. Selection is competitive based on GPA, resume, letters of recommendation, and applicant response to a given essay prompt.

Criteria for Eligibility

- Unconditional admission to a graduate degree program in a STEM or business field of study at Appalachian.
- Cumulative GPA of 3.0 or higher.
- Full-time status intended/maintained (minimum enrollment in 9 graduate credit hours per semester).
- Applicants' GPA, resume, and the quality of the self-nomination essay will be taken into consideration when making the awards.

PROPOSED

G_GRAD_2020_2

Change the Bulletin language for Certificate programs to: (1) limit the number of dual-listed courses allowed in the Program of Study to no more than 25% of total required courses, and (2) limit the number of independent study and selected topics to no more than a combined 25% of the Program of Study.

CURRENT and PROPOSED (TRACKED CHANGES)

Certificate Programs

Appalachian offers certificate programs in numerous disciplines. The academic requirements for these programs are detailed in the sections on programs in this Bulletin.

These certificate programs are not degree programs; students who complete the required coursework will receive a “certificate of completion.” The primary purpose of these programs is to provide a student seeking additional expertise with the opportunity to complete a cohesive program of coursework that is less than a graduate degree, but provides advanced training in a specific area.

Applying ASU Graduate Certificate Credits Toward Degree Programs: Hours completed to meet the requirements of an earned Appalachian State University graduate certificate may potentially be applied toward a graduate degree within the same or closely related discipline. The hours must be ~~applied-approved in for use in~~ the degree Program of Study by the program director and by the Graduate School on a course-by-course basis ~~and must meet the appropriate standards for use in the degree~~. Certificate hours transferred may not exceed 50% of the total degree program requirements. If ~~these hours are equal to or exceed~~ 50% of the degree program requirements are met using certificate hours, additional transfer credits are not allowed.

Program of Study

Certificate-seeking students: Students must work with their advisors on a program of study that follows the approved curriculum as described in this ~~B~~bulletin and presented in Degree ~~W~~works. Students must work with their advisors to submit the Notification of Certificate Completion form when they have completed the coursework required for the certificate. The following is a list of credit limitations for certificates. Please refer to individual notations in this section for further information on each item.

- The program of study GPA must be at least 3.0, and may not include any courses in which a grade of “F” or “U” was received.
- The program of study must include at least the number of hours required for the program as specified in this Bulletin.
- The program of study should include all required coursework as listed; substitutions are strongly discouraged and must be approved in advance by the advisor, program, and Graduate School.
- The program of study may not include more than 25% transfer hours. Transfer hours must be approved by the advisor, the program, and the Graduate School, and must have grades of “B” or better.

PROPOSED

- The program of study may not include more than nine (9) hours of coursework taken before the term of admission to the certificate program. Use of these hours must be approved by the advisor, the program, and the Graduate School.
- The program of study may not include more than 25% of independent study coursework (5500/6500/7500) ~~or, and not more than 50% independent study and~~ selected topics (5530-5549, 6530-6549, 7530-7549) coursework combined.
- The program of study may not include more than 25% of dual-listed coursework.
- ~~The program of study GPA must be at least 3.0, and may not include any courses in which a grade of "F" or "U" was received.~~
- All coursework on the program of study must meet the seven (7) year time limitation at the date of completion.
- Courses numbered 5989 and 7989 may not be used on a program of study.

G_GRAD_2020_3

Change the Bulletin language for Non-Degree Coursework and the amount of coursework taken as a certificate student that can later be applied to a degree program.

CURRENT and PROPOSED (TRACKED CHANGES)

Non-Degree Coursework

Degree- or certificate-seeking students wishing to count a course taken at Appalachian prior to enrollment admission into the program: A student may, with permission of the program director, request approval from the Graduate School to include on a program of study up to 9 hours of graduate coursework taken as a graduate student at Appalachian prior to the term of admission into the degree or certificate program at Appalachian. These requests are not automatic and will be reviewed on a case-by-case basis. These hours are subject to the seven (7) year time limit requirement at graduation.

Applying ASU Graduate Certificate Credits Toward Degree Programs: Hours completed to meet the requirements of an earned Appalachian State University graduate certificate may potentially be applied toward a graduate degree within the same or closely related discipline. The hours must be applied in the degree Program of Study on a course-by-course basis and must meet the appropriate standards for use in the degree. Certificate hours transferred may not exceed 50% of the total degree program requirements. If ~~these hours are equal to or exceed~~ 50% of the degree program requirements are met using certificate hours, additional transfer credits are not allowed.

Non-degree students wishing to take a graduate course: After admission as graduate non-degree, students must obtain permission from the instructor and either the department chair or graduate program director to enroll in a graduate course. This permission is not automatic, and several programs do not allow non-degree students to enroll in their courses. The form for this purpose is available from the Graduate School.