Old Business
1. Approve minutes from February 6, 2019
2. Updates on Ad-hock committees

Consent Agenda (Form A items) – p. 25

New Business
1. Curriculum Forms B-D
2. Jennifer Hughes and library privileges

Form B
1. Item #66 – Education - MAT
   a. Change of admissions criteria:
      The Master of Arts in Teaching (M.A.T.) degree provides an avenue of entry into the teaching profession through graduate level study. It is intended for persons with a baccalaureate degree who desire to become certified to teach in a content area in which they hold a major, or the equivalent, in one of the areas where the degree is offered. M.A.T. degrees are currently offered in the fields of English, mathematics, science and social studies, leading to certification in grades 9-12, and in art and music, leading to PreK-12 certification.

Student Learning Outcomes for the Program

Design and implement effective lessons based on knowledge of students, curriculum, and best pedagogical practices.
1. Integrate technology to improve teaching, learning, and professional productivity.
2. Adapt learning environments, instructional strategies, and assessment techniques to meet the needs of culturally and developmentally diverse students.
3. Demonstrate leadership behaviors and dispositions in professional contexts.

Graduate Applications
Applications for graduate study should be directed to the Office of Graduate Studies at Coastal Carolina University.

Admission and Degree Requirements
Students who currently are enrolled at Coastal Carolina University majoring in one of the areas of M.A.T. degree preparation, and who desire to enter the program upon graduation to pursue a master’s degree and certification in teaching, may enroll in up to two courses of the M.A.T. program prior to receiving a bachelor’s degree. Students are advised that additional requirements may be added to the program of study to support needed background in a discipline and/or general education.

The PRAXIS II content knowledge examination must be successfully passed prior to entry into the Internship semester (Spring of each year). Students will not be placed in the Internship experience until a passing score on
the PRAXIS II exam has been verified by the Spadoni College of Education.

Portals identify four key stages for this graduate program. The requirements for entry into each of the four portals are listed below:

Portal I. Admission to the Graduate Program

**For admission to the Graduate Program, students must:**

- Submit an application for graduate study to the University with the $45 application fee (check or money order) enclosed. Applications are due March May first for acceptance into the upcoming each cohort.
- Submit official transcripts from each school or college previously attended (all prior undergraduate academic study must be represented as well as other graduate study if such study has been completed).
- Completion of 30 credit hours of specific content area coursework.
- Submit official transcripts reflecting an Applicants must have an undergraduate GPA of 3.0 in the content area AND 3.0 over-all GPA. If students have between a 2.5 – 2.9 in either their content or over-all GPA, they must complete one of the following exams and: 2.75 GPA overall, OR o report of minimum scores on the Graduate Record Examination (GRE) (minimum score of 286 with no less than 146 on the verbal and 140 on the quantitative portions), OR o report of a minimum score (388) on the Miller Analogies Test (MAT).
- Provide two one letters of recommendation (on forms provided) supporting the applicant’s academic qualifications using the Spadoni College of Education Professional Reference for Teacher Candidate form.
- Following the completion of this process, the M.A.T. Graduate Admissions Committee (GAC) will evaluate the applicant’s file. All applicants will be informed in writing of the Committee’s decision.
- Following a review of applicant’s transcript(s), the M.A.T. adviser may identify deficient content area coursework. Those identified content areas or courses must be completed prior to entering the M.A.T. program of study or taking courses toward graduation. These deficient courses may extend the entrance to the program and extend the student completion timeline.

Portal II. Continuation in the M.A.T. Program and Admission to the Professional Program in Teacher Education (determined at the conclusion of Summer II)

To maintain good standing and remain in the program, students will:

- Attain and maintain a GPA of 3.0 for the two education courses and two content area courses taken in Summer I and Summer II, with no grades below “C”.
- Students who do not meet the minimum required 3.0 GPA but have a GPA between 2.99 and 2.75 may be placed on probation for one semester if recommended by the M.A.T. Portal Committee. During this probationary period, students must increase their cumulative GPA to at least 3.0 and successfully pass the specified South Carolina content area PRAXIS II examination(s) in order to be approved for Internship and continuation in the M.A.T. Program.
- Students who do not meet the minimum 3.0 GPA and have a GPA below 2.75, or receive a grade lower than a C, will be removed from the program until their cumulative GPA reaches a minimum of 3.0.
- Receive satisfactory recommendations from professors.
- Receive approval of the M.A.T. Portal Committee.
- Students who do not meet the minimum required 3.0 GPA but have a GPA between 2.99 and 2.75 may be placed on probation for one semester if recommended by the M.A.T. Portal Committee. During this probationary period, students must increase their cumulative GPA to at least 3.0 and successfully pass the specified South Carolina content area PRAXIS II examination(s) in order to be approved for Internship and continuation in the M.A.T. Program.
- Students who do not meet the minimum 3.0 GPA and have a GPA below 2.75 will be removed from the program until their cumulative GPA reaches a minimum of 3.0.
• Obtain SLED and FBI Fingerprint Clearance
• Obtain TB Skin Test Clearance.
• Earn proficient or higher on measures on the Professional Dispositions at the Initial Level
  o Candidates who score less than proficient on any measure of the Professional Dispositions at Initial Level
    must be placed on an Improvement Plan or removed from the program.
• Approval of appropriate portal committee

**Portal III. Admission to Internship**
Students must:
• Complete 24 semester hours in the graduate program, maintaining a GPA of 3.0 in content area courses and
  overall cumulative GPA of 3.0, with no course grade less than “C”.
• Complete practicum experiences with satisfactory recommendations from both cooperating teachers and
  University supervisors.
• Receive approval of the adviser and the M.A.T Portal Committee.
• Successfully pass South Carolina content area PRAXIS II examination(s). Fulfill the fingerprinting and
  background check requirements.
• Completion of all coursework with the exception of internship, internship seminar, and two graduate content
  area courses)
• Satisfactory completion and performance in a minimum of 75 hours in all Field Experiences.
• Satisfactory completion of required specialized professional association (SPA) assessments that take place in
  the Methods course.
• Successful completion of first Teacher Work Sample, demonstrating student learning.
• Successful completion of EPP lesson plan.
• Submit Diversity Affirmation forms, and complete varied diverse field experiences, as required by the state.
• Passing scores on all required state Praxis II content exams
• Satisfactory rating on the Assessment of Professional Dispositions at the Initial Level, with all Disposition
  Improvement Plans completed.
• Approval of appropriate portal committee

**Portal IV. Graduation Program Completion**
• Complete all course work with a 3.0 GPA overall and in the content area with no course grade less than “C”.
• Complete Internship with satisfactory recommendations from the cooperating teacher and the supervisor.
• Receive satisfactory recommendations from professors.
• Receive approval of the adviser and M.A.T. Graduate Admissions Committee.
• Submit passing score on Principles of Learning and Teaching (P.L.T.).
• Completion all coursework with minimum 3.00 GPA, with no grade below “C”
• Completion of 60 hours of internship, and 35 full-time teaching days.
• Passing score on required Praxis II Principles of Learning and Teaching (PLT) exam
• Summative evaluation ratings averaging proficient or higher on the performance dimensions of the South
  Carolina Teaching Standards Rubric
• Successful completion of second Teacher Work Sample, demonstrating student learning.
• Satisfactory rating on the Summative Internship Evaluation, including the SPA addendum.
• Satisfactory completion of all required specialized professional association (SPA) assessments.
• Summative evaluation ratings of 3, 4, or 5 on the Assessment of Teacher Candidate Professional Dispositions
  at the Initial Level
• Successful completion of Safe Schools Quiz
• Successful completion of EEDA Quiz
• Successful completion of Professional Conduct Quiz
• Successful completion of Education Laws Quiz.

Post-Graduation
• Provide contact information to the Spadoni College of Education and complete an evaluation of the program.

2. Item #63 – MAT
Admission and Degree Requirements
Students who currently are enrolled at Coastal Carolina University majoring in one of the areas of M.A.T. degree preparation, and who desire to enter the program upon graduation to pursue a master’s degree and certification in teaching, may enroll in up to two courses of the M.A.T. program prior to receiving a bachelor’s degree. Students are advised that additional requirements may be added to the program of study to support needed background in a discipline and/or general education.

The PRAXIS II content knowledge examination must be successfully passed prior to entry into the Internship semester (Spring of each year). Students will not be placed in the Internship experience until a passing score on the PRAXIS II exam has been verified by the Spadoni College of Education.

Portals identify four key stages for this graduate program. The requirements for entry into each of the four portals are listed below:

Portal I. Admission to the Graduate Program
For admission to the Graduate Program, students must:

• Submit an application for graduate study to the University with the $45 application fee (check or money order) enclosed. Applications are due March 1 for each cohort.
• Submit official transcripts reflecting an undergraduate GPA of 3.0 in the content area AND one of the following: 2.75 GPA overall, OR report of minimum scores on the Graduate Record Examination (GRE) (minimum score of 286 with no less than 146 on the verbal and 140 on the quantitative portions), OR report of a minimum score (388) on the Miller Analogies Test (MAT).
• Provide two letters of recommendation (on forms provided) supporting the applicant’s academic qualifications.
• Following the completion of this process, the M.A.T. Graduate Admissions Committee (GAC) will evaluate the applicant’s file. All applicants will be informed in writing of the Committee’s decision.
• Following a review of applicant’s transcript(s), the M.A.T. adviser may identify deficient content area coursework. Those identified content areas or courses must be completed prior to entering the M.A.T. program of study or taking courses toward graduation. These deficient courses may extend the program of student completion timeline.

Portal II. Continuation in the M.A.T. Program and Admission to the Professional Program in Teacher Education (determined at the conclusion of Summer II)
Students must:

• Attain and maintain a GPA of 3.0 for the two education courses and two content area courses taken in Summer I and Summer II, with no grades below “C”.
• Receive satisfactory recommendations from professors.
• Receive approval of the M.A.T. Portal Committee.
• Students who do not meet the minimum required 3.0 GPA but have a GPA between 2.99 and 2.75 may be placed on probation for one semester if recommended by the M.A.T. Portal Committee. During this probationary period, students must increase their cumulative GPA to at least 3.0 and successfully pass the specified South Carolina content area PRAXIS II examination(s) in order to be approved for Internship and continuation in the M.A.T. Program.
• Students who do not meet the minimum 3.0 GPA and have a GPA below 2.75 will be removed from the program until their cumulative GPA reaches a minimum of 3.0.

Portal III. Admission to Internship
Students must:

• Complete 24 semester hours in the graduate program, maintaining a GPA of 3.0 in content area courses and overall cumulative GPA of 3.0, with no course grade less than “C”.
• Complete practicum experiences with satisfactory recommendations from both cooperating teachers and University supervisors.
• Receive approval of the adviser and the M.A.T Portal Committee.
• Successfully pass South Carolina content area PRAXIS II examination(s). Fulfill the fingerprinting and background check requirements.

Portal IV. Graduation
• Complete all course work with a 3.0 GPA overall and in the content area with no course grade less than “C”.
• Complete Internship with satisfactory recommendations from the cooperating teacher and the supervisor.
• Receive satisfactory recommendations from professors.
• Receive approval of the adviser and M.A.T. Graduate Admissions Committee.
• Submit passing score on Principles of Learning and Teaching (P.L.T.).

Post-Graduation
• Provide contact information to the Spadoni College of Education and complete an evaluation of the program.

Proposed program description as it is to appear in the CCU Catalog:
The Master of Arts in Teaching (M.A.T.) degree provides an avenue of entry into the teaching profession through graduate level study. It is intended for persons with a baccalaureate degree who desire to become certified to teach in a content area in which they hold a major or the equivalent in one of the areas where the degree is offered. M.A.T. degrees are currently offered in the fields of English, mathematics, science and social studies, leading to certification in grades 9-12, and in art and music, leading to PreK-12 certification.

Student Learning Outcomes for the Program
• Design and implement effective lessons based on knowledge of students, curriculum, and best pedagogical practices.
• Integrate technology to improve teaching, learning, and professional productivity.
• Adapt learning environments, instructional strategies, and assessment techniques to meet the needs of culturally and developmentally diverse students.
• Demonstrate leadership behaviors and dispositions in professional contexts.
• Engage in reflective practice to improve teaching and learning.
Graduate Applications
Applications for graduate study should be directed to the Office of Graduate Studies at Coastal Carolina University.

Admission and Degree Requirements
Students who currently are enrolled at Coastal Carolina University majoring in one of the areas of M.A.T. degree preparation, and who desire to enter the program upon graduation to pursue a master’s degree and certification in teaching, may enroll in up to two courses of the M.A.T. program prior to receiving a bachelor’s degree. Students are advised that additional requirements may be added to the program of study to support needed background in a discipline and/or general education.

The PRAXIS II content knowledge examination must be successfully passed prior to entry into the Internship semester (Spring of each year). Students will not be placed in the Internship experience until a passing score on the PRAXIS II exam has been verified by the Spadoni College of Education.

Portals identify four key stages for this graduate program. The requirements for entry into each of the four portals are listed below:

Portal I. Admission to the Graduate Program
For admission to the Graduate Program, students must:
• Submit an application for graduate study to the University with the $45 application fee (check or money order) enclosed. Applications are due May first for acceptance into the upcoming cohort.
• Submit official transcripts form each school or college previously attended (all prior undergraduate academic study must be represented as well as other graduate study if such study has been completed).
• Completion of 30 credit hours of specific content area coursework.
• Applicants must have an undergraduate GPA of 3.0 in the content area AND 3.0 in the content area. If students have between a 2.5 – 2.9 in either their content or over all GPA, they must complete one of the following:
  o report of minimum scores on the Graduate Record Examination (GRE) (minimum score of 286 with no less than 146 on the verbal and 140 on the quantitative portions),
  o report of a minimum score (388) on the Miller Analogies Test (MAT).
• Provide one letter of recommendation supporting the applicant’s academic qualifications using the Spadoni College of Education Professional Reference for Teacher Candidate form.
• Following the completion of this process, the M.A.T. Graduate Admissions Committee (GAC) will evaluate the applicant’s file. All applicants will be informed in writing of the Committee’s decision.
• Following a review of applicant’s transcript(s), the M.A.T. adviser may identify deficient content area coursework. Those identified content areas or courses must be completed prior to entering the M.A.T. program of study or taking courses toward graduation. These deficient courses may extend the program of student completion timeline.

Portal II. Continuation in the M.A.T. Program and Admission to the Professional Program in Teacher Education (determined at the conclusion of Summer II)
Students must:
• Attain and maintain a GPA of 3.0 for the two education courses and two content area courses taken in Summer I and Summer II, with no grades below “C”.
• Students who do not meet the minimum required 3.0 GPA but have a GPA between 2.99 and 2.75 may be placed on probation for one semester if recommended by the M.A.T. Portal Committee. During this probationary period, students must increase their cumulative GPA to at least 3.0 and successfully pass the specified South Carolina content area PRAXIS II examination(s) in order to be approved for Internship and continuation in the M.A.T. Program.
• Students who do not meet the minimum 3.0 GPA and have a GPA below 2.75 will be removed from the program until their cumulative GPA reaches a minimum of 3.0. SLED and FBI Fingerprint Clearance.
• TB Skin Test Clearance.
• Must earn proficient or higher on measures on the Professional Dispositions at the Initial Level.
• Candidates who score less than proficient on any measure of the Professional Dispositions at Initial Level must be placed on an Improvement Plan or removed from the program.

Portal III. Admission to Internship
Students must:
• Complete 24 semester hours in the graduate program, maintaining a GPA of 3.0 in content area courses and overall cumulative GPA of 3.0 with no course grade less than “C”.
• Completion of all coursework with the exception of internship, internship seminar, and two graduate content area courses.
• Satisfactory completion and performance in a minimum of 75 hours in all Field Experiences.
• Satisfactory completion of required specialized professional association (SPA) assessments that take place in the Methods course.
• Successful completion of first Teacher Work Sample, demonstrating student learning.
• Successful completion of EPP lesson plan.
• Submit Diversity Affirmation forms, and complete varied diverse field experiences, as required by the state.
• Passing scores on all required state Praxis II content exams
• Satisfactory rating on the Assessment of Professional Dispositions at the Initial Level, with all Disposition Improvement Plans completed.
• Approval of appropriate portal committee

Portal IV. Program Completion
• Complete all coursework with a 3.0 GPA overall and in the content area with no course grade less than “C”.
• Completion all coursework with minimum 3.00 GPA, with no grade below “C”
• Completion of 60 hours of internship, and 35 full-time teaching days.
• Passing score on required Praxis II Principles of Learning and Teaching (PLT) exam
• Summative evaluation ratings averaging proficient or higher on the performance dimensions of the South Carolina Teaching Standards Rubric
• Successful completion of second Teacher Work Sample, demonstrating student learning.
• Satisfactory rating on the Summative Internship Evaluation, including the SPA addendum.
• Satisfactory completion of all required specialized professional association (SPA) assessments.
• Summative evaluation ratings of 3, 4, or 5 on the Assessment of Teacher Candidate Professional Dispositions at the Initial Level
• Successful completion of Safe Schools Quiz
• Successful completion of EEDA Quiz
• Successful completion of Professional Conduct Quiz
• Successful completion of Education Laws Quiz.

Post-Graduation
• Provide contact information to the Spadoni College of Education and complete an evaluation of the program.

3. #71 MS IST –
The Master of Science in Information Systems Technology with a concentration in Security and Analytics is a program to prepare future leaders in the areas of information security and data analytics through critical examination of both academic and practical applications of various segments of the information security and analytics industry. The faculty seeks to challenge, engage, and cultivate students in becoming skilled and knowledgeable information security and data analytics professionals.

**Student Learning Outcomes**
After graduating from the program, the student shall be able to:

Engage with the IST (Information Systems Technology) professional or academic communities through superior communication and leadership skills to contribute to the knowledge bases of the fields such as Information Security/Data Analytics.
Apply analytical, critical thinking, and technical skills to a domain of work in the IST field such as Information Security and Data Analytics.
Explore and extend creative use of emerging Information System Technologies in a secure manner.
Analyze, evaluate, design, and implement information services to enhance the value of information in a variety of professional and academic settings.
Derive and effectively communicate actionable insights from a vast quantity and a variety of data.
Critically evaluate and manage information security policies, principles, processes, services and technologies to manage risks and security threats when applied to different IST settings.
Critically evaluate current state IST infrastructure and architect, design, and implement solutions to ensure a secure IST infrastructure.

**Admission to Study/Graduate Applications**
Applications for graduate study should be directed to the Office of Graduate Studies at Coastal Carolina University.

**Admission Requirements**
Completion of a graduate degree application and payment of the application fee.
Submission of an official undergraduate transcript from each post-secondary school or college previously attended, including any graduate study previously undertaken.
Evidence of having received a baccalaureate degree from a regionally accredited institution in this country or its equivalent at a foreign institution based on a four-year degree with a cumulative GPA of 3.0.
Competitive official GRE scores. GRE requirement may be waived if the student has completed a graduate degree or completed graduate coursework or earned a related professional certification, or have taken the GMAT.
International students whose native language is not English must provide official results from tests taken within the last three (3) years or one of the following acceptable means of documenting English language proficiency consistent with success in graduate programs. (Note: higher scores may be required of some graduate programs so applicants are urged to consult their desired program to identify whether a higher score is required):
A minimum score of 550 on the paper-based (PBT) or 79 on the internet (iBT) Test of English as a Foreign Language (TOEFL);
A minimum score of 6.5 on the International English Language Testing System (IELTS) exam;
Certificate of Completion of level 112 of English for Academic Purposes (EAP) from an ELS Language Center;
Pearson Test of English (PTE) Academic with a score of 59;
Cambridge (Certificate of Advanced English (CAE) with a minimum level of C1; Cambridge Certificate of Proficiency in English (CPE) with a minimum level of C1; Michigan English Language Assessment Battery (MELAB) with a score of 77; Test of English for International Communication (TOEIC) with a score of 745; Bachelor’s degree earned from a regionally accredited U.S. institution of higher education within the last three (3) years.
Submission of at least two letters of recommendation from individuals familiar with the academic ability, level of responsibility, and work ethic of the applicant.
Submission of a resume.
Submission of a written statement of educational and career goals, how this degree will fulfill those goals and the subject area of research or career interest while completing this degree.
Prerequisites required for admission are undergraduate credits in:
Computer Networks or Information Security (3 credit hours)
Programming or Web Development (3 credit hours)
Database Design or SQL Development (3 credit hours)
Statistics (3 credit hours)
Undergraduate course credit requirements may be waived depending on the relevant industry experience or completion of the professional certification by the applicant.

Admission decisions are made when all evidence of the applicant’s ability to succeed in graduate studies has been submitted.

**Provisional Admission**
Applicants may receive provisional admission to the MISTSA program if they do not meet the stated admission requirements and are entering the University for the first time or are returning to the University after an extended absence. Students who are admitted provisionally are limited to 12 credit hours of coursework toward the degree program.

**Removal of Provisional Status**
To remove provisional status, within the first two academic semesters (either Fall, Spring or Spring, Fall), the student must:

- Earn a “B” or better in two core courses;
- Maintain a 3.0 GPA in all graduate courses taken;
- Earn a “B” or better in all undergraduate prerequisites required as specified in the provisional acceptance letter.

**Degree Requirements**
The Master of Science in Information Systems Technology with a Concentration in Security and Analytics requires:

**Successful completion of an approved program of study with a minimum of 33 graduate credit hours.**
A minimum grade point average of 3.0 (B) on all coursework.
A maximum of two (2) classes may be completed below the grade of “B” before dismissal from the program.
If a student has chosen the thesis option, completion, presentation, and successful defense of a thesis or completion of a project(s) followed by an oral presentation and written report summarizing the project experience.

All work applied toward the degree must be earned in the six (6) years immediately preceding the completion of the graduate program.

**Curriculum**

The Master of Science in Information Systems Technology with a Concentration in Security and Analytics program requires 33 graduate credit hours. As this degree seeks to provide a broad range of skills and experiences that are required for the students to be experts in the increasingly complex domains, information security and data analytics, the curriculum is divided into core coursework, elective coursework and a capstone experience. These core, elective, and capstone courses would ensure that the students apply state of the art concepts, policies, methods tools, and techniques for the problems, projects and case studies that closely resemble the real world and industry issues. Students must maintain a 3.0 GPA and may not have more than two grades of “C” in the program.

**Degree Requirements (33 Graduate Credit Hours)**

**Core Courses (15 Credit Hours)**
- IST 650 - Information Systems Technology in Context (3 credits)
- IST 660 - Introduction to Cybersecurity and Information Assurance (3 credits)
- IST 661 - Security Policy and Risk Assessment (3 credits)
- IST 670 - Data Management and Analytics (3 credits)
- IST 671 - Data Mining and Knowledge Discovery (3 credits)

**Electives (12 Credit Hours: Aligned with Career Goals)**

Choose two from the following:
- IST 665 - Secure Networking (3 credits)
- IST 666 - Secure Software Development (3 credits)
- IST 667 - Intelligence and Security Analysis (3 credits)
- CSCI 534 - Digital Forensics and E-Discovery (3 credits)

Choose two from the following:
- IST 675 - Semantic Web Technologies (3 credits)
- IST 676 - Data Fusion (3 credit hours)
- IST 677 - Data Visualization (3 credits)
- CSCI 575 - Decision Support Systems (3 credits)

**Capstone (6 Credit Hours)**
- IST 799 - Thesis Research (1 to 6 credits)

**OR**

Choose two from the following:
- IST 659 - Special Topics in Information Systems Technology (3 credits)
- IST 669 - Special Topics in Information Security (3 credits)
- IST 679 - Special Topics in Data Analytics (3 credits)

Proposed program description as it is to appear in the CCU Catalog: The Master of Science in Information Systems Technology with a concentration in Security and Analytics is a program to prepare future leaders in the areas of information security and data analytics through critical examination of both academic and practical applications of various segments of the information security and analytics industry.
The faculty seeks to challenge, engage, and cultivate students in becoming skilled and knowledgeable information security and data analytics professionals.

**Student Learning Outcomes**
After graduating from the program, the student shall be able to:

Engage with the IST (Information Systems Technology) professional or academic communities through superior communication and leadership skills to contribute to the knowledge bases of the fields such as Information Security/Data Analytics.

Apply analytical, critical thinking, and technical skills to a domain of work in the IST field such as Information Security and Data Analytics.

Explore and extend creative use of emerging Information System Technologies in a secure manner.

Analyze, evaluate, design, and implement information services to enhance the value of information in a variety of professional and academic settings.

Derive and effectively communicate actionable insights from a vast quantity and a variety of data.

Critically evaluate and manage information security policies, principles, processes, services and technologies to manage risks and security threats when applied to different IST settings.

Critically evaluate current state IST infrastructure and architect, design, and implement solutions to ensure a secure IST infrastructure.

**Admission to Study/Graduate Applications**
Applications for graduate study should be directed to the Office of Graduate Studies at Coastal Carolina University.

**Admission Requirements**
Completion of a graduate degree application and payment of the application fee.

Submission of an official undergraduate transcript from each post-secondary school or college previously attended, including any graduate study previously undertaken.

Evidence of having received a baccalaureate degree from a regionally accredited institution in this country or its equivalent at a foreign institution based on a four-year degree with a cumulative GPA of 3.0.

Competitive official GRE scores. GRE requirement may be waived if the student has one or more of the following:

- Two years of full-time relevant, professional work experience in a computing/technology field or
- A 3.3 GPA or higher undergraduate GPA with an earned degree in computer science, information systems, information technology, cybersecurity, computer engineering, or related degree.

International students whose native language is not English must provide official results from tests taken within the last three (3) years or one of the following acceptable means of documenting English language proficiency consistent with success in graduate programs. (Note: higher scores may be required of some graduate programs so applicants are urged to consult their desired program to identify whether a higher score is required):

- A minimum score of 550 on the paper-based (PBT) or 79 on the internet (iBT) Test of English as a Foreign Language (TOEFL);
- A minimum score of 6.5 on the International English Language Testing System (IELTS) exam;
- Certificate of Completion of level 112 of English for Academic Purposes (EAP) from an ELS Language Center;
- Pearson Test of English (PTE) Academic with a score of 59;
- Cambridge (Certificate of Advanced English (CAE) with a minimum level of C1;
Cambridge Certificate of Proficiency in English (CPE) with a minimum level of C1;  
Michigan English Language Assessment Battery (MELAB) with a score of 77;  
Test of English for International Communication (TOEIC) with a score of 745;  
Bachelor’s degree earned from a regionally accredited U.S. institution of higher education within the last three (3) years.  
Submission of at least two letters of recommendation from individuals familiar with the academic ability, level of responsibility, and work ethic of the applicant.  
Submission of a resume.  
Submission of a written statement of educational and career goals, how this degree will fulfill those goals and the subject area of research or career interest while completing this degree.  
Prerequisites required for admission are undergraduate credits in:  
Computer Networks or Information Security (3 credit hours)  
Programming or Web Development (3 credit hours)  
Database Design or SQL Development (3 credit hours)  
Statistics (3 credit hours)  
Undergraduate course credit requirements may be waived depending on the relevant industry experience or completion of the professional certification by the applicant.  

Admission decisions are made when all evidence of the applicant’s ability to succeed in graduate studies has been submitted.

Provisional Admission  
Applicants may receive provisional admission to the MISTSA program if they do not meet the stated admission requirements and are entering the University for the first time or are returning to the University after an extended absence. Students who are admitted provisionally are limited to 12 credit hours of coursework toward the degree program.

Removal of Provisional Status  
To remove provisional status, within the first two academic semesters (either Fall, Spring or Spring, Fall), the student must:

Earn a “B” or better in two core courses;  
Maintain a 3.0 GPA in all graduate courses taken;  
Earn a “B” or better in all undergraduate prerequisites required as specified in the provisional acceptance letter.  

Degree Requirements  
The Master of Science in Information Systems Technology with a Concentration in Security and Analytics requires:

Successful completion of an approved program of study with a minimum of 33 graduate credit hours.  
A minimum grade point average of 3.0 (B) on all coursework.  
A maximum of two (2) classes may be completed below the grade of “B” before dismissal from the program.  
If a student has chosen the thesis option, completion, presentation, and successful defense of a thesis or completion of a project(s) followed by an oral presentation and written report summarizing the project experience.
All work applied toward the degree must be earned in the six (6) years immediately preceding the completion of the graduate program.

Curriculum

The Master of Science in Information Systems Technology with a Concentration in Security and Analytics program requires 33 graduate credit hours. As this degree seeks to provide a broad range of skills and experiences that are required for the students to be experts in the increasingly complex domains, information security and data analytics, the curriculum is divided into core coursework, elective coursework and a capstone experience. These core, elective, and capstone courses would ensure that the students apply state of the art concepts, policies, methods tools, and techniques for the problems, projects and case studies that closely resemble the real world and industry issues. Students must maintain a 3.0 GPA and may not have more than two grades of “C” in the program.

Degree Requirements (33 Graduate Credit Hours)

Core Courses (15 Credit Hours)
- IST 650 - Information Systems Technology in Context (3 credits)
- IST 660 - Introduction to Cybersecurity and Information Assurance (3 credits)
- IST 661 - Security Policy and Risk Assessment (3 credits)
- IST 670 - Data Management and Analytics (3 credits)
- IST 671 - Data Mining and Knowledge Discovery (3 credits)

Electives (12 Credit Hours: Aligned with Career Goals)
Choose two from the following:
- IST 665 - Secure Networking (3 credits)
- IST 666 - Secure Software Development (3 credits)
- IST 667 - Intelligence and Security Analysis (3 credits)
- CSCI 534 - Digital Forensics and E-Discovery (3 credits)

Choose two from the following:
- IST 675 - Semantic Web Technologies (3 credits)
- IST 676 - Data Fusion (3 credit hours)
- IST 677 - Data Visualization (3 credits)
- IST 678 - Business Intelligence and Analytics (3 credits)
- CSCI 575 - Decision Support Systems (3 credits)

Capstone (6 Credit Hours)
- IST 799 - Thesis Research (1 to 6 credits)
OR

Choose two from the following:
- IST 659 - Special Topics in Information Systems Technology (3 credits)
- IST 669 - Special Topics in Information Security (3 credits)
- IST 679 - Special Topics in Data Analytics (3 credits)

4. Item #74 Sport Management -
Change the number of core courses credit hours to 24, the number of elective credit hours to 6 and the number of Capstone credits to 6; removal of SPT 501 and SPT 550

The proposed Master of Sport Management degree will require 36 graduate credit hours. As this degree seeks to provide a broad range of skills and experiences, the curriculum is divided into core coursework, elective coursework, and a capstone experience.
Degree Requirements (36 Graduate Credit Hours)

Core Courses (24 Credit Hours)

- SPT 501 - The Sport Industry
- SPT 510 - Governance and Policy in Sport
- SPT 515 - Legal Issues in the Sport Industry
- SPT 530 - Leadership Theory and Applications in Sport Settings
- SPT 550 - Facility Management and Sport Venue Operations
- SPT 560 - Understanding Sport Fan Behavior
- SPT 565 - Revenue Generation and Fiscal Management in Sport
- SPT 580 - Research Methods in Sport

Electives (6-9 Credit Hours)

Students may take elective hours that align with their career goal as approved by their advisors. These courses are not limited to graduate classes in sport management and can come from a variety of areas including graduate classes in business, education, and humanities as appropriate.

Capstone (3-6 Credit Hours)

- SPT 590 - Graduate Internship
- SPT 599 - Research Thesis

Total: 36 Graduate Credit Hours

Proposed program description as it is to appear in the CCU Catalog:
The Master of Sport Management degree will require 30 graduate credit hours. As this degree seeks to provide a broad range of skills and experiences, the curriculum is divided into core coursework, elective coursework, and a capstone experience.

Degree Requirements (30 Graduate Credit Hours)

Core Courses (18 Credit Hours)

- SPT 510 - Governance and Policy in Sport
- SPT 515 - Legal Issues in the Sport Industry
- SPT 530 - Leadership Theory and Applications in Sport Settings
- SPT 560 - Understanding Sport Fan Behavior
- SPT 565 - Revenue Generation and Fiscal Management in Sport
- SPT 580 - Research Methods in Sport

Electives (6 Credit Hours)

Students may take elective hours that align with their career goal as approved by their advisors. These courses are not limited to graduate classes in sport management and can come from a variety of areas including graduate classes in business, education, and humanities as appropriate.

Capstone (6 Credit Hours)

- SPT 590 - Graduate Internship
- SPT 599 - Research Thesis
Total: 30 Graduate Credit Hours

5. #75 Sport Management -

Mission Statement
The Mission of the Master of Science in Sport Management program is to prepare future leaders of the sport industry through critical examination of both academic and practical application of management principles to various segments of the sport industry. The faculty seeks to challenge, engage, and cultivate the students in becoming a skilled and knowledgeable sport manager. To that end, the program will (1) prepare students to work in a variety of sport settings, (2) produce graduates who utilize critical thinking skills to solve controversies and issues in sport management settings, (3) produce graduates who demonstrate an understanding of the issues and principles of law as they apply to sport settings, (4) prepare students to assess the effectiveness of strategies used by sport organizations when developing managerial strategies related to overall organizational success, and (5) develop students’ understanding of basic management strategies used to maintain or improve facility and venue operations. The program will utilize a combination of traditional, experiential, and online instruction methods.

Student Learning Outcomes
After successfully completing the degree requirements:

Students will demonstrate the ability to work in a variety of sport settings.
Students will utilize critical thinking skills to analyze controversies and issues in sport management settings.
Students will demonstrate an understanding of the issues and principles of law as they apply to sport settings.
Students will effectively recognize and discuss the effectiveness of strategies used by sport organizations when developing managerial strategies related to overall organizational success.
Students will develop students’ understanding of basic management strategies used to maintain or improve facility and venue operations.
Students will demonstrate the ability to convey information through both written and oral communication techniques.

Admission Requirements
Candidates seeking admission to the Master of Science in Sport Management will submit the following materials.

Completion of graduate application and payment of application fee.
Successful completion of a bachelor’s degree from a regionally accredited institution or the equivalent at a foreign institution based on a four-year degree.
Submission of official transcripts from all schools or colleges previously attended.
Submission of official GRE or GMAT test scores.
Three (3) letters of recommendation with at least one academic reference and one nonacademic reference.  
Submission of resume/vitae.  
Submission of a personal statement of purpose that includes a description of career goals over the next five (5) years, reasons for interest in the graduate program at Coastal Carolina University, and relevant experience and achievements.  
If a non-native speaker of English, provide official results from tests taken within the last three (3) years or one of the following acceptable means of documenting English language proficiency consistent with success in graduate programs (Note that higher scores may be required of some graduate programs so applicants are urged to consult their desired program to identify whether a higher score is required):  
A minimum score of 550 on the paper-based (PBT) or 79 on the internet (iBT) Test of English as a Foreign Language (TOEFL);  
A minimum score of 6.5 on the International English Language Testing System (IELTS) exam;  
Certificate of Completion of level 112 of English for Academic Purposes (EAP) from an ELS Language Center;  
Pearson Test of English (PTE) Academic with a score of 59;  
Cambridge CAE (Certificate of Advanced English) with a minimum level of C1;  
Cambridge CPE (Certificate of Proficiency in English) with a minimum level of C1;  
MELAB (Michigan English Language Assessment Battery) with a score of 77;  
TOEIC (Test of English for International Communication) with a score of 745;  
Bachelor’s degree earned from a regionally accredited U.S. institution of higher education within the last three (3) years.  
Evaluation of Transfer Credit  
After having completed all requirements for admission, matriculated students will be given a statement of credits accepted for transfer by the University within the first semester of enrollment. Students from regionally accredited colleges and universities may transfer credit for academic courses completed with grades of “B” or better, but the University reserves the right to determine what credit, if any, for courses taken elsewhere will be counted toward its degrees. A maximum of twelve (12) transferable credits from any regionally accredited program will be applicable toward a Coastal Carolina University degree. Completion of transfer credits must be within the last six (6) years.  
Curriculum  
The proposed Master of Sport Management degree will require 36 graduate credit hours. As this degree seeks to provide a broad range of skills and experiences, the curriculum is divided into core coursework, elective coursework and a capstone experience.  
Degree Requirements (36 Graduate Credit Hours)  
Core Courses (24 Credit Hours)  
SPT 501 - The Sport Industry  
SPT 510 - Governance and Policy in Sport
SPT 515 - Legal Issues in the Sport Industry
SPT 530 - Leadership Theory and Applications in Sport Settings
SPT 550 - Facility Management and Sport Venue Operations
SPT 560 - Understanding Sport Fan Behavior
SPT 565 - Revenue Generation and Fiscal Management in Sport
SPT 580 - Research Methods in Sport
Electives (6-9 Credit Hours)
Students may take elective hours that align with their career goal as approved by their advisors. These courses are not limited to graduate classes in sport management and can come from a variety of areas including graduate classes in business, education, and humanities as appropriate.

Capstone (3-6 Credit Hours)
SPT 590 - Graduate Internship
SPT 599 - Research Thesis
Total: 36 Graduate Credit Hours

MASTER OF SCIENCE IN SPORT MANAGEMENT

Mission Statement
The Mission of the Master of Science in Sport Management program is to prepare future leaders of the sport industry through critical examination of both academic and practical application of management principles to various segments of the sport industry. The faculty seeks to challenge, engage, and cultivate the students in becoming a skilled and knowledgeable sport manager. To that end, the program will (1) prepare students to work in a variety of sport settings, (2) produce graduates who utilize critical thinking skills to solve controversies and issues in sport management settings, (3) produce graduates who demonstrate an understanding of the issues and principles of law as they apply to sport settings, (4) prepare students to assess the effectiveness of strategies used by sport organizations when developing managerial strategies related to overall organizational success, and (5) develop students’ understanding of basic management strategies used to maintain or improve facility and venue operations. The program will utilize a combination of traditional, experiential, and online instruction methods.

STUDENT LEARNING OUTCOMES
After successfully completing the degree requirements:
1. Students will demonstrate the ability to work in a variety of sport settings.
2. Students will utilize critical thinking skills to analyze controversies and issues in sport management settings.
3. Students will demonstrate an understanding of the issues and principles of law as they apply to sport settings.
4. Students will effectively recognize and discuss the effectiveness of strategies used by sport organizations when developing managerial strategies related to overall organizational success.
5. Students will develop students’ understanding of basic management strategies used to
maintain or improve facility and venue operations.

6. Students will demonstrate the ability to convey information through both written and oral communication techniques.

ADMISSION REQUIREMENTS
Candidates seeking admission to the Master of Science in Sport Management will submit the following materials.

1. Completion of graduate application and payment of application fee.
2. Successful completion of a bachelor’s degree from a regionally accredited institution or the equivalent at a foreign institution based on a four-year degree.
3. Submission of official transcripts from all schools or colleges previously attended.
4. Submission of official GRE or GMAT test scores.
5. Three (3) letters of recommendation with at least one academic reference and one nonacademic reference.
6. Submission of resume/vitae.
7. Submission of a writing example. The writing sample should answer all the following questions, in complete sentences, paragraph format, using APA format and proper grammatical skills. Answers should not exceed 1,000 words.
   - This statement will allow the committee to learn more about you as an applicant and will serve as a professional writing sample.
   1) What specifically about Coastal Carolina University and the Master of Science in Sport Management program attracted your interest?
   2) How will a master’s degree in Sport Management help you achieve your career goals?
   3) What experience(s) and skills do you have that will lead you to be successful in the CCU Sport Management program?
8. If a non-native speaker of English, provide official results from tests taken within the last three (3) years or one of the following acceptable means of documenting English language proficiency consistent with success in graduate programs (Note that higher scores may be required of some graduate programs so applicants are urged to consult their desired program to identify whether a higher score is required):
   a. A minimum score of 550 on the paper-based (PBT) or 79 on the internet (iBT) Test of English as a Foreign Language (TOEFL);
   b. A minimum score of 6.5 on the International English Language Testing System (IELTS) exam;
   c. Certificate of Completion of level 112 of English for Academic Purposes (EAP) from an ELS Language Center;
   d. Pearson Test of English (PTE) Academic with a score of 59;
   e. Cambridge CAE (Certificate of Advanced English ) with a minimum level of C1;
   f. Cambridge CPE (Certificate of Proficiency in English) with a minimum level of C1;
   g. MELAB (Michigan English Language Assessment Battery) with a score of 77:
h. TOEIC (Test of English for International Communication) with a score of 745:
i. Bachelor’s degree earned from a regionally accredited U.S. institution of higher education within the last three (3) years.

PROVISIONAL ADMISSION
Applicants may receive provisional admission to the program if they do not meet the stated admission requirements and are entering the University for the first time or are returning to the University after an extended absence. Students who are provisionally are limited to 12 credit hours of course work.

REMOVAL OF PROVISIONAL STATUS
To remove provisional status the student must, within the first two academic semesters (either Fall, Spring or Spring, Fall): 1) Maintain a 3.0 GPA in all graduate courses taken 2) Earn A “B” or better in all undergraduate prerequisites required as specified in the provisional acceptance letter 3) Meet all requirements set forth in the provisional acceptance letter

Degree Requirements
The Master of Sport Management requires:
1. Successful completion of an approved program of study with a minimum of 30 graduate credit hours;
2. A minimum grade point average of 3.0 (B) on all course work;
3. A maximum of 2 classes may be completed below the grade of B before dismissal from the program. Automatic dismissal will result for a grade of F in any course.
4. Completion of all requirements for the degree during a six-year period
5. Successful completion of the comprehensive exam(s).
6. Successful completion of the thesis or non-thesis option; and
7. A record of professional performance and integrity during all phases of the program of study.

Non-Degree Students
Students classified as non-degree graduate students may take no more than 12 credit hours of graduate study in related coursework. Non-degree student registrations must be approved by the Program Graduate Director.

Evaluation of Transfer Credit
After having completed all requirements for admission, matriculated students will be given a statement of credits accepted for transfer by the University within the first semester of enrollment. Students from regionally accredited colleges and universities may transfer credit for academic courses completed with grades of “B” or better, but the University reserves the right to determine what credit, if any, for courses taken elsewhere will be counted toward its degrees. A maximum of twelve (12) transferable credits from any regionally accredited program will be applicable toward a Coastal Carolina University degree. Completion of transfer credits must be within the last six (6) years.

CURRICULUM
The proposed Master of Sport Management degree will require 30 graduate credit hours. As this degree seeks to provide a broad range of skills and experiences, the curriculum is divided into core coursework, elective coursework, and a capstone experience.

Required Graduate Degree Credit Hours (30 Graduate Credit Hours)

CORE COURSES (18 Credit hours)
SPT 510 Governance and Policy in Sport .................................................................3
SPT 515 Legal Issues in the Sport Industry ..............................................................3
SPT 530 Leadership Theory and Application in Sport Settings .............................3
SPT 560 Understanding Sport Fan Behavior ..........................................................3
SPT 565 Revenue Generation and Fiscal Management in Sport .........................3
SPT 580 Research Methods in Sport .......................................................................3
SPT 515 Legal Issues in the Sport Industry ..............................................................3

ELECTIVES (6 Credit hours)
Students may take elective hours that align with their career goal as approved by their advisors. These courses are not limited to graduate classes in sport management and can come from a variety of areas including graduate classes in business, education, and humanities as appropriate.

CAPSTONE (6 Credit hours)
SPT 590 Graduate Internship ..................................................................................6
or
SPT 599 Research Thesis .........................................................................................6
TOTAL ................................................................................................................... 30

Admission to Candidacy
Admission to the graduate program in Sport Management does not signify Admission to Candidacy. To be eligible for Admission to Candidacy for the Master of Science in Sport Management, a student must choose either the thesis or non-thesis option and then satisfy the corresponding requirements.

Thesis Option
1. Achieve regular admission status; 2. Have a degree plan and thesis proposal approved by the Thesis advisor professor and Graduate Program Coordinator; 3. Complete a minimum of 12 semester hours of graduate work at Coastal Carolina University; and 4. Have maintained a 3.0 of higher GPA.

2. Thesis Option: Students choosing the thesis option based on original research must assemble a thesis committee of at least three (3) members by the third semester of enrollment. The committee will consist of at least three (3) full-time CCU faculty members including the major professor who will chair the committee. An approved member from an outside institution may be included. The entire thesis committee will meet with the student at least 1x a semester to assess progress and to give advice. Before graduation, students will submit the completed thesis to their thesis advisor who will schedule the public defense.
Non-Thesis Option
1. Achieve regular admission status; 2. Have a degree plan and internship proposal approved by your advisor, internship committee, Graduate Program Coordinator; 3. Complete a minimum of 12 semester hours of graduate work at Coastal Carolina University; and 4. Have Maintained a 3.0 GPA or better average on all graduate work pursued and have passed SPT 515.

2. Students interested in future employment as professionals in the field with federal, state, local agencies, not-for-profit organizations or private businesses may choose a non-thesis option. Students who select a non-thesis option will complete an internship (SPT 590 for a total of 6 credits) with a sponsoring public, non-profit or private agency, or business. The internship will be at least 240 hours. The internship must be approved by the graduate coordinator of the sport management program and the outside supervisor and should be related to the student’s educational and career goals. The details of the work should be described and filed with the graduate coordinator before beginning the internship. Although the faculty will provide guidance to students, it is the responsibility of each student to seek and secure an internship. A special project (outline in the internship manual) is required for graduation and should be filed with the Sport Management Graduate director. The report should analyze and detail how the student’s internship activities integrate with the interdisciplinary field sport management and the current state of knowledge and identify the directions of growth in the future student’s career. The report must be submitted and approved before graduation. The on-campus presentation, summarizing the material in the report, will be followed by a meeting of the candidate with SPT graduate committee to discuss the report and its connections to the core and foundational concepts within the sport management Masters’ program.

COMPREHENSIVE EXAMINATION
Students are required to pass the SPT Comprehensive Examination to be taken during the last semester of coursework completion of the core curriculum courses (not including Thesis/Internship). The format of the exam consists of written and oral components. In the written exam, students will respond to questions established by the SPT Comprehensive Examination Committee to assess the broad range of sub-disciplinary knowledge required to address complex competencies as they relate to the sport management discipline and the ability to identify and explain the linkages between sub-disciplinary concepts and processes. Students must pass all subject areas of the written comprehensive exam with a score of proficient or above. If a student fails any part of the written comprehensive exam, the committee will schedule a follow-up oral examination with each student based on the responses given in the written exam and allow for further examination of sub- and interdisciplinary knowledge and applications not emphasized in the written exam. Following the oral examination, the Committee will identify one of the three following outcomes: pass, fail or retake the exam within three (3) months. Students must pass the SPT Comprehensive Examination to advance to degree candidacy.
Form C

1. **Item #342**
   **MTM 601 – Applied Instruction: Music Technology** - MTM 601 Applied Instruction: Music Technology. (1-3 credits) (Prereq: Permission of the instructor) A continuation of MTM 502. Students pursue advanced or specialized music technology topics in a one-on-one teacher/student environment. Possible sources of study may include specialized recording techniques, music notation projects, computer-assisted electronic music compositions, advanced mixing techniques, DSP programming, and music hardware construction. Repeatable up to 12 credit hours. F, S, M, Su, W.

2. **Item #389**
   **MBA 676 Special Topics in Business** - MBA 676 – Special Topics in Business (3 Credits). In-depth investigation of specific topics in business administration not generally available in the curriculum. May be repeated for credit under different topics. F, S, SU

3. **Item #378**
   **HIST 595 Internship in History** - HIST 595 Internship in History. (1-6) (Prereq: Permission of advisor and instructor) The guided internship in history requires 40-50 hours of on-site work per credit hour and responsibilities commensurate with graduate-level work. The purpose of the course is to provide graduate students with practical opportunities to apply their knowledge and skills, and to engage in a research component related to work experience. The course may be repeated with different work experiences for a total of 6 credit hours. F, S, M, Su. **Course Restrictions** – Graduate Status

4. **Item #388**
   **IST 674 Machine Learning and Deep Learning** - IST 674 Machine Learning and Deep Learning (3). (Prereq: Admission to MS IST program or prior approval from the instructor). This course covers the principles, methodologies and techniques to build machine learning and deep learning models using popular software frameworks. In addition, the course will cover various aspects of artificial neural networks, supervised and unsupervised learning. F, S, Su.

5. **Item #387**
   **PHYS 782L Topics in Contemporary Physics for Teachers Laboratory** - PHYS 782L - Topics in Contemporary Physical Science for Teachers Laboratory (1 credit) The laboratory demonstrates the topics and principles presented in the lecture. SU
Form E
1. Item #43 – EDAD 792 and EDAD 793

<table>
<thead>
<tr>
<th>EDAD 792</th>
<th>Legal Basis of Educational Organization and Administration</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Change description to: This course examines advanced principles of educational law with special attention to public sectors, private sectors, colleges, and universities. Other related topics which will be examined include hiring and personnel issues, dismissal, due process, current court decisions, and constitutional issues. The rights and responsibilities of various educational stakeholders will also be discussed. The course includes discussion, research, presentation, and application of educational law in relation to various educational settings.</td>
</tr>
</tbody>
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<thead>
<tr>
<th>EDAD 793</th>
<th>College Teaching and Advising</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Change description to: This course examines the elements associated with teaching at the college level and advising both undergraduate and graduate students. Learners have the opportunity to read and discuss current literature on teaching, learning, adult students, and successfully advising students. The course is designed to teach students how to effectively prepare and deliver meaningful, practical, and reflective instructional strategies in the college classroom. Students also learn general frameworks, best practices, and various barriers associated with advising adult learners.</td>
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</tbody>
</table>
1. **New Business**

**Form A**

1. **Item #80. PHYS 782 Topics in Contemporary Physics for Teachers (from 4-3 credits)**

   **Current entire catalog description:** PHYS 782 - Topics in Contemporary Physical Science for Teachers (4 credits) Discussions of subjects including: nuclear energy, black holes, quarks, strange particles, perception of color, integrated circuits, computers, IV games, and other topics of current interest to teachers. SU

   **Proposed entire catalog description:** PHYS 782 - Topics in Contemporary Physical Science for Teachers (3 credits) Discussions of subjects including: nuclear energy, black holes, quarks, strange particles, perception of color, integrated circuits, computers, and other topics of current interest to teachers. SU

2. **Item #81. IST 666 Secure Software Development – IST 666 to IST 662**

   **Current entire catalog description:** (Prereq: IST 660 with “C” or better) Course covers development of security requirements and the design, development and implementation of secure mobile and web applications. Principles of secure design and coding will be covered in depth. Vulnerabilities and countermeasures for computer systems, mobile and web applications are explored. This course also covers Secure Development Lifecycle (SDL) needed to apply best practices for development and on-going support to secure software. F, S, SU

   **Proposed entire catalog description:** IST 662 Secure Software Development. (3) (Prereq: Admission to MS IST Program or prior approval from the instructor). This course covers development of security requirements and the design, development and implementation of secure mobile and web applications. Principles of secure design and coding will be covered in depth. Vulnerabilities and countermeasures for computer systems, mobile and web applications are explored. This course also covers Secure Development Lifecycle (SDL) needed to apply best practices for development and on-going support to secure software. F, S, SU

3. **Item #82 IST 665 Secure Networking –**

   **Current entire catalog description:** (Prereq: IST 660) Course is designed to equip students with applications and practice of cryptography in securing wired/wireless networks and Internet. Following techniques would be studied: classical systems, symmetric block ciphers, linear and differential cryptanalysis, public-key cryptography, cryptographic protocols, hash functions, authentication, key management, key exchange,
signature schemes and how it can be applied to secure network infrastructure, firewalls, digital right management, and related topics.

**Proposed entire catalog description:** IST 665 - Secure Networking (Prereq: Admission to MS IST program or prior approval from the instructor) Course is designed to equip students with applications and practice of cryptography in securing wired/wireless networks and Internet. Following techniques would be studied: classical systems, symmetric block ciphers, linear and differential cryptanalysis, public-key cryptography, cryptographic protocols, hash functions, authentication, key management, key exchange, signature schemes and how it can be applied to secure network infrastructure, firewalls, digital right management, and related topics.