UNIVERSITY CURRICULUM COMMITTEE
Minutes #5 approved *(2017-2018 Undergraduate Catalog)*
October 19, 2016

Members Present: Ciani, Cook, Duce, Dustin, Hamilton, Lieberman, Morey, Prud`homme, Rosenthal, Shim, Standard, Stapleton, Trefzger, Wolf
Members Absent: Brandt, Geary, Mikulec
Guests Present: Susan Woollen, Criminal Justice Sciences; Guang Jin, Health Sciences; Mary Elaine Califf, Glen Sagers, Information Technology; Mary Henninger, Kinesiology and Recreation; James Pancrazio, Languages, Literatures, and Cultures; Danielle Lindsey, Office of the Registrar

1. Lieberman convened the meeting at 3:05 p.m.

2. **INTRODUCTIONS:** Members and the guests introduced themselves.

3. **APPROVAL OF MINUTES**: Meeting Minutes #4, October 5, 2016 will be sent out for approval electronically.

4. **PROPOSAL ACTION:**

   **KNR   PHYSICAL EDUCATION TEACHER EDUCATION
              SEQUENCE (Revise)   Prud`homme and Mikulec**

   Mary Henninger from the School of Kinesiology and Recreation was present. At the last meeting when the proposal was discussed, Standard asked if they added content to KNR 246 (to cause the hours to be increased from 2 to 3); Henninger answered the course was minimized a long time ago and they have increased content to bring it up to the standard of other HSC 3 hour courses. Henninger also said that she would remove one of the four instances where they show the GPA requirement because at the last meeting the reviewers asked if it was necessary to state the GPA requirements four times.

   With no further discussion required, Prud`homme moved to approve the proposal for revision of the Physical Education Teacher Education Sequence, Cook seconded. The committee approved by acclamation. Catalog copy follows:

   Physical Education Teacher Education Sequence (PETE) (B.S. in Ed.):

       The PETE program for undergraduate majors leads to a professional educator license with K-12 endorsement. All PETE majors planning on becoming licensed teachers must apply for and be admitted to the University's Teacher Education Program (see University-Wide Teacher Education Program section of this Undergraduate Catalog).

   Program Admission Requirements for New and Continuing Students:

       Admission to this academic program is limited and is based on space availability and the competitiveness of the applicant pool. Factors that may be considered include, but are not limited to: courses completed, cumulative GPA, hours completed, personal interview or written statement, and samples of work completed. For additional information on minimum requirements for admission and the application and selection process, visit IllinoisState.edu/Majors or contact the undergraduate advisor for the intended major.

       Once accepted, the teacher candidate must meet all teacher education requirements, including, but not limited to "Standards for Progress in the Physical Education Teacher Education Major."

The New Transfer student must have passed all sections of the Test of Academic Proficiency (TAP) prior to registering for additional coursework in the PETE program after the initial semester.

Any Internal Transfer student wishing to become a PETE major must apply to the PETE Program at Illinois State University. Current application deadlines and forms can be found at IllinoisState.edu/Majors.

Once an applicant is accepted into the PETE Program, the teacher candidate must:

(1) maintain a minimum cumulative GPA of 2.50 and a minimum major GPA of 2.50 each semester;
(2) complete a projected program plan for graduation with the academic advisor for PETE; and
(3) be admitted to Professional Studies through the College of Education.

Physical Education Teacher Education Sequence Program of Study Leading to a K-12 Special Licensure:

— **77 total hours required.**
— **51 hours in the following core and sequence courses required:**
— **15 hours in core courses: KNR 181, 182, 254, 280, 282.**
— **36 hours in sequence courses: KNR 156, 158, 221, 225, 242, 244, 245, 246, 247, 341, 364, 383, 391.**
— **26 hours in Professional Education requirements: EAF 228 or 231 or 235; PSY 215; TCH 212, 216, 219; STT 399A74 (6 semester hours), 399A75 (6 semester hours).**

Standards for Progress in the Program:

Standards for Progress in the PETE Program:

1. **To progress through the program in a timely manner, the teacher candidate must continuously maintain a minimum cumulative 2.50 GPA and a minimum major 2.50 GPA to remain academically eligible.**
2. **A teacher candidate falling below the minimum GPA, cumulative or major, will be placed on academic probation within the School of Kinesiology and Recreation for one semester. If after one semester the 2.50 cumulative and/or major GPA has not been reestablished, the teacher candidate will be removed from the PETE Program. A student who is not readmitted after one semester of probation, but has a minimum 2.00 GPA, will have the choice to enter the Physical Education (general) Sequence or select another major on campus.**
3. **The student may submit an application to the program after re-establishing the minimum academic requirements. Acceptance into the program is competitive (Please see Admission Requirements for New and Continuing Students).**
4. **A student who has not been retained in the PETE program may appeal for reconsideration to the Physical Education Teacher Education Selection and Retention Committee, providing evidence as to why re-admittance to the program should be considered.**

CJS   MAJOR IN CRIMINAL JUSTICE SCIENCES (Revise)   Stapleton and Trefzger

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. Stapleton moved to approve the proposal for revision of the Major in Criminal Justice Sciences, Trefzger seconded, and the committee approved by acclamation. Catalog copy follows:

MAJOR IN CRIMINAL JUSTICE SCIENCES

— **51 hours required.**

— **Required courses (30 hours): CJS 101, 200, 201, 207, 208, 300, 398A01* (6 hours); PSY 110 or 111; SOC 106.**
— **21 hours of electives selected from the following CJS courses: CJS 206, 210, 212, 215, 216, 217, 240, 241, 287, 291, 299, 305, 306, 307, 308, 310, 311, 312, 322, 337, 338, 339, 342, 360, 369, 395, 398A02* (3-6 hours).**

*Students seeking enrollment in CJS 398A01 and 398A02 must complete necessary paperwork for application to the internship which will be received during mandatory meetings set by the Internship Coordinator. To be eligible, the student must have: (1) completed 60 semester hours, (2) an overall and major GPA of 2.00 at the time referrals are made. Students, who have significant professional experience in the criminal justice system or related field, may apply for an exemption to the internship requirement. If approved, students must take 6 hours of coursework approved by the academic advisor. Students eligible for an internship will, with the assistance of the internship coordinator, choose an agency from a list of approved agencies. Students may also participate in out-of-state internships.

HSC   MAJOR IN ENVIRONMENTAL HEALTH (Revised)   Dustin and Duce

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. Duce moved to approve the proposal for revision of the Major in Environmental Health, Stapleton seconded, and the committee approved by acclamation. Catalog copy follows:

MAJOR IN ENVIRONMENTAL HEALTH

— **81 total hours required.**
— **42 hours in Health Sciences required.**
— **Required courses (18 hours): HSC 145, 156, 204*, 249, 258, 355.**
— **Professional Practice (9 hours): HSC 398A01.**
— **Group 1 elective courses (15 hours): HSC 248, 252, 254, 257, 271, 322, 350, 359, 362, 378.**
  NOTE: No more than two of the following courses can be counted towards the Environmental Health major: HSC 271, 362, 378.
— **Group 2 (additional) elective courses (3 hours): CHE 215, 242, 280, ECO 255, GEO 102, 276, 336, HIS 240, HSC 381, 383.**
— **Required courses outside of Health Sciences (16 hours, excluding required General Education courses): CHE 141, 220; KNR 182, 184; MAT 119.**
— **Required General Education courses (20 hours): BSC 160; CHE 140; HSC 156; MAT 118 or 145; PHY 105 or 108.**
  *NOTE: General Education courses MQM 100, ECO 138, GEO 138, POL 138, or PSY 138 may be substituted for HSC 204.

HSC   MINOR IN ENVIRONMENTAL HEALTH (Revised)   Dustin and Duce

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. Stapleton moved to approve the proposal for revision of the Minor in Environmental Health, Duce seconded, and the committee approved by acclamation. Catalog copy follows:

MINOR IN ENVIRONMENTAL HEALTH

— **30 total hours required.**
— **15 hours in Health Sciences required.**

— **Required courses (9 hours): HSC 145, 156; HSC 249 or 258A01.**
— **Elective courses (6 hours): HSC 248, 249 (if not used to satisfy other requirements), 252, 254, 257, 258A01 (if not used to satisfy other requirements), 322, 350.**
— **Required courses outside of Health Sciences: (a minimum of 15 hours): CHE 140, 141; MAT 118 or 145.**
  NOTE: The prerequisites for HSC 249 are CHE 220 and KNR 182; the prerequisites for HSC 258A01 are BSC 160 or 260.
  NOTE: CHE 140, MAT 118, 145; and HSC 156 are General Education courses.

IT GENERAL COMPUTER SCIENCE SEQUENCE (Revised)   Prud`homme and Hamilton

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. Prud`homme moved to approve the proposal for revision of the General Computer Science Sequence, Wolf seconded and the committee approved by acclamation. Catalog copy follows:

General Computer Science Sequence:

   The General Computer Science sequence is designed for students who wish to pursue a broad education in computer science and to prepare students to work for a variety of companies including those that have a scientific, engineering, or mathematical focus. It would also prepare students to pursue graduate studies in Computer Science. The sequence is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET). A minor is not required.

— **86-88 hours required.**
— **50 hours in Information Technology required.**
— **Required courses (35 hours): IT 168, 179, 191, 214, 225, 226, 261, 279, 327, 328, 378, 383.**
— **6 hours of IT 398.**
— **9 hours from: IT 244, 276, 326, 330, 340, 345, 351,353, 356, 367, 382, 384, 385, 388 (6 of the 9 hours must be from: IT 326, 340, 356, 384, 388).**
— **Supporting requirements (36-38 hours):**
   — **Mathematics and Statistics (15-16 hours): MAT 145, 146, 260; 1 course from: MQM 100, MAT 350.**
   — **Communication (6 hours): COM 223, ENG 249.**
   — **Lab Science (8 hours): 2 courses from: BSC 196, 197, CHE 140, 141, PHY 110, 111.**
   — **Science and Math electives (7-8 hours): 2 additional courses from: BSC 196, 197, CHE 140, 141, MAT 175, PHY 110, 111, 112, 375, PSY 110.**

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

— **Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.**
— **Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 additional hours from IT 244, 276, 326, 330, 340, 345, 351, 353, 356, 367, 382, 384, 385, 388 (if not used to satisfy other requirements).**

IT WEB COMPUTING SEQUENCE (Revised)   Prud`homme and Hamilton

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. Hamilton moved to approve the proposal for revision of the Web Computing Sequence, Prud`homme seconded and the committee approved by acclamation. Catalog copy follows.

Web Computing Sequence:

   The Web Computing sequence is designed for students who wish to pursue a broad education in computer science with special emphasis on Web, mobile, and cloud computing. It is to prepare students to work for a variety of companies including those that have a scientific, engineering, or mathematical focus, with Web computing needs. It would also prepare students to pursue graduate studies in Computer Science. A minor is not required.

— **86-88 hours required.**
— **50 hours in Information Technology required.**
— **Required courses (44 hours): IT 168, 179, 191, 214, 225, 226, 261, 279, 327, 328, 353, 354, 358, 378, 383.**
— **6 hours of IT 398.**
— **Supporting requirements (36-38 hours):**
    — **Mathematics and Statistics (15-16 hours): MAT 145, 146, 260; 1 course from: MQM 100, MAT 350.**
    — **Communication (6 hours): COM 223, ENG 249.**
    — **Lab Science (8 hours) 2 courses from: BSC 196, 197, CHE 140, 141, PHY 110, 111.**
    — **Science and Math electives (7-8 hours) 2 additional courses from: BSC 196, 197, CHE 140, 141, MAT 175, PHY 110, 111, 112, 375, PSY 110.**

ALLOWABLE SUBSTITUTIONS FOR REQUIRED COURSES:

— **Acceptable substitution for 3 hours of IT 398 is 3 hours of IT 391.**
— **Acceptable substitution for 6 hours of IT 398 is 3 hours of IT 391 and 3 additional hours from IT 244, 276, 326, 330, 340, 345, 351, 356, 367, 382, 384, 385, 388 (if not used to satisfy other requirements).**

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5. **PROPOSAL DISCUSSION:**

CJS   MAJOR IN CRIMINAL JUSTICE SCIENCES (Revise)   Stapleton and Trefzger

Susan Woollen was present from Criminal Justice Sciences. Stapleton distributed a handout and presented a review of the proposal for revision of the Major in Criminal Justice Sciences.
- The Department of Criminal Justice Sciences proposes revisions of the Major in Criminal Justice Sciences which results in a reduction in the total hours in the major from 64 to 51. The required hours in the major will change from 40 to 30 hours. The hours of electives required will change from 24 to 21.
- They propose changing CJS 241 and 398A02 to electives, rather than required courses for the major.
- Group II electives will be eliminated and students will no longer be required to complete SOC 106, PSY 110, and ENG 145 as prerequisites for the internship.
- Students who have significant professional experiences in the criminal justice system may apply for an exemption to the internship requirement. If approved, students would need to take six hours of coursework to substitute for the six hour internship.
Questions/Comments:
- Stapleton asked why PSY 110 *or* 111 is required since PSY 111 is restricted to just Psychology majors. Woollen said that if a Psychology major transferred or was double majoring, they might have already taken PSY 111 and it could be counted.
- Trefzger asked why ENG 145 was being dropped. Woollen answered that in a recent program review they identified courses with strong writing components and they feel that CJS students are

getting enough in Criminal Justice Sciences courses and do not need to take ENG 145. They notified English that they were dropping the course.

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. (See "Proposal Action" above.)

HSC   MAJOR IN ENVIRONMENTAL HEALTH (Revise)   Dustin and Duce

Guan Jin was present from the Department of Health Sciences. Dustin distributed a handout and presented a review of the proposal for revision of the Major in Environmental Health.

- The Department of Health Sciences proposes replacement of a core course, MAT 120, with a new course, MAT 118. This course is a better fit for students in the major.
- They propose adding KNR 184, a new one-hour lab course. The accrediting body for the Environmental Health (EH) program requires "Biological Sciences with laboratories." KNR 182 has been the course required by EH to meet this criteria. Recently, the School of Kinesiology and Recreation removed the lab component of KNR 182, while keeping the same number of hours and created a new course, KNR 184 (1 hour) for the lab portion. To meet the accreditation criteria, Health Sciences had to add KNR 184 in the "Required courses outside of Health Sciences." The addition of KNR 184 will increase the total number of hours for the program from 80 to 81.

Questions/Comments:

- After discussion of whether MAT 120 needed to remain in the list of options and whether to remove "or consent of advisor," it was decided that MAT 120 would be removed as well as the statement, "or consent of advisor." This will work as long as the instructors let advisors know that it is okay to allow MAT 120 to be substituted for MAT 118 for transfer or students who have already taken MAT 120.

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. (See "Proposal Action" above.)

HSC   MINOR IN ENVIRONMENTAL HEALTH (Revise)   Dustin and Duce

Guan Jin was present from the Department of Health Sciences. Dustin distributed a handout and presented a review of the proposal for revision of the Minor in Environmental Health.

- The Department of Health Sciences proposes revision of the Minor in Environmental Health by increasing the hours of required courses from 6 to 9. The additional 3 hours will be either HSC 258A01 or 249.
- They propose reducing the total hours of electives from 9 to 6.
- They propose making the following changes in the list of elective courses:
  a. Changing HSC 258 to HSC 258A01 because the course has been decimalized in recent years, and HSC 258A01 is specifically designed for the Environmental Health discipline.
  b. Removing HSC 359 and 383 from the list.
  c. Deleting the statement "no more than 6 hours from HSC 248, 359 and 383 may be counted toward the minor." Adding "if not used to satisfy other requirements "for HSC 249 and 258A01.
- They propose changing the minimum number of hours required outside of Health Sciences from 11 to 15. Added hours may be from BSC 160 or 260 for students taking HSC 258A01 as the required course; or CHE 220 and KNR 182 for students taking HSC 249 as the required course.

- They propose changing the requirement of "MAT 119 or 120 or 145" to "MAT 118 or 145, or consent of advisor." They ask that MAT 118 be added to the "Note" for General Education courses.

Questions/Comments:

- As with the major, the committee asked that the statement "or consent of advisor" be removed from the MAT requirements.
- The total number of hours (30) should be added to the catalog copy.

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. (See "Proposal Action" above.)

IT   GENERAL COMPUTER SCIENCE SEQUENCE (Revise)   Prud`homme and Hamilton

Mary Elaine Califf and Glen Sagers from the School of Information Technology were present. Prud`homme distributed a handout and presented a review of the proposal for revision of the General Computer Science Sequence.

- The School of Information Technology proposes adding IT 382 to the list of preferred electives for the General Computer Science Sequence.
- They propose replacing the Science list of electives (15-16 hours), with two elective lists, Lab Science (8 hours), and Science and Math (7-8 hours).
- The Lab Science options are being opened up to allow students more flexibility. With the proposed change, students may choose one each of two different sciences rather than a two courses from the same discipline. They propose expanding the lab science choices to include biology (BSC 196 and 197).
- They propose adding MAT 175 and PSY 110 to the list of science electives, making it now a Science and Math elective list.
- They propose removing MAT 250 because it has been deleted from the catalog.

With no further discussion needed, Cook moved to suspend the practice of "discussion one week – action the next" and act on the proposal today, Stapleton seconded, and the committee approved by acclamation. (See "Proposal Action" above.)

IT   WEB COMPUTING SEQUENCE (Revie)   Prud`homme and Hamilton

Mary Elaine Califf and Glen Sagers from the School of Information Technology were present. Prud`homme distributed a handout and presented a review of the proposal for revision of the Web Computing Sequence.

- They propose replacing the Science list of electives (15-16 hours), with two elective lists, Lab Science (8 hours), and Science and Math (7-8 hours).
- The "hard science" lab options are being opened up to allow students more flexibility. With the proposed change, students may choose one each of two different sciences rather than a sequence of courses (1 pair of: CHE 140, 141; or PHY 110, 111). They propose expanding the lab science choices to include biology (BSC 196 and 197).
- They propose adding MAT 175 and PSY 110 to the list of science electives, making it now a Science and Math elective list.
- They propose removing MAT 250 as an option for Mathematics and Statistics because it has been deleted from the catalog.

6. **LIAISON REPORTS:**

   a. Council on General Education – Rosenthal: Nothing to report.

   b. Council for Teacher Education – Lieberman reported at the meeting they announced that the Chicago teacher strike was averted. She also learned that Tammie Keney is the new Director for the Office of Student Access and Accommodation Services.

   c. Academic Affairs Committee – Trefzger reported that at last week's meeting (which was International Education Week) they discussed:
   - University Policies and the change in language due to new computer systems;
   - Transfer credits from other institutions;
   - The Bilingual Seal (Rosenthal said that more has come up since it was reviewed).

7. **MISCELLANEOUS:** Standard and Trefzger – AMALI update

   Standard distributed an outline of the report that they will present at an upcoming UCC meeting:

   Background
   AMALI/Global Studies Open Forums, November 11-12, 2014
   2015-2016 UCC Discussions
   The Survey
   AMALI Learning Outcomes
   Inclusion of 100-Level Language Courses as AMALI
   Reviewers' Observations
   Proposed Recommendations

   Standard and Trefzger will add approved suggested recommendations to the report after the discussion at an upcoming meeting and the report will be sent to Academic Affairs. James Pancrazio was present and said that he would invite the UCC chair, and the two reviewers to the Academic Affairs meeting when they discuss the report.

8. **STAFF REPORT:**

   Ryburn: There are no proposals ready for discussion next week.

9. **ADJOURNED**: Cook moved to adjourn, Prud`homme seconded, and the committee agreed by acclamation. The meeting adjourned at 4:08 p.m. The next meeting will be on November 2, 2016.

10. **INFORMATION:** The University Curriculum Committee Executive Secretary approved the following:

    Temporary Course:

    CJS

    389A23   PSYCHOLOGICAL SCIENCE, LAW AND JUSTICE
         3 sem. hrs.
    Explores the foundational components of how forensic psychology and law intersect within the contemporary criminal justice system. Prerequisites: Completion of 45 hours or consent of the department advisor.

New Courses:

HSC

270   GLOBAL CONTEXTS
      3 sem. hrs.
Philosophical perspectives on professional practice in a new cultural context. Short-term study abroad. Topics and regions as approved. Multiple enrollments allowed if content is different; maximum of 6 hours. Prerequisite: Sophomore standing.

MQM

128   ENTREPRENEURIAL BUSINESS FUNDAMENTALS
      3 sem. hrs.
Examines the principles and practices used to measure, analyze, and represent social, scientific, technological phenomena as it relates to entrepreneurship.

Revised Courses:

HSC
    (Revised prerequisites)
249   ENVIRONMENTAL TOXICOLOGY
      3 sem. hrs.
Toxicants such as heavy metals, gases, vapors, dusts, pesticides, food additives, and their effects on health and the environment. Prerequisites: CHE 140, 141; MAT 118 or 145 or consent of the advisor; CHE 220 or concurrent registration; KNR 182 and HSC 145.

    (Revised prerequisites)
252   WATER AND WASTEWATER CONTROL
      4 sem. hrs.
Protection of water quality for human and ecosystem needs, and the control of wastewater. Lecture and lab. Materials charge optional. Formerly WATER QUALITY AND TREATMENT. Not for credit if had HSC 247. Prerequisites: CHE 140 and 141; MAT 118 or 145, or consent of the advisor; HSC 145; BSC 160 or concurrent registration.

    (Revised prerequisites)
257   AIR QUALITY AND POLLUTION CONTROL
      3 sem. hrs.
Air contaminants found in the ambient air, workplace, and home, including health effects, measurement, and control. Lecture and lab. Materials charge optional. Prerequisites: CHE 140, 141 or concurrent registration; HSC 145; MAT 118 or 145, or consent of the advisor; KNR 182 or concurrent registration.

    (Revised hours, description, prerequisites and removed from graduate catalog)
322   POLLUTION PREVENTION
      4 sem. hrs.
Basic methods in solid and hazardous waste management with an emphasis in waste minimization/pollution prevention. Prerequisites: HSC 145; MAT 118 or 145, or consent of the advisor.

Revised courses (continued):

HSC
> (Revised prerequisites/removed from graduate catalog)

359   INDUSTRIAL HYGIENE
> **3 sem. hrs.**

Techniques for measurement, evaluation, and control of chemical and physical hazards in occupational environments. Lecture and lab. Materials charge optional. Prerequisites: HSC 248; MAT 118 or 145, or consent of the advisor.

IT
> (Revised title, description, and prerequisites)

379   ADVANCED COMPUTER NETWORKS
> **3 sem. hrs.**

Explore the latest advances in networking with emphasis on practical hands-on learning. Formerly *TELECOMMUNICATIONS NETWORK OPERATIONS AND MANAGEMENT*. Prerequisites: Grade of C or better in IT 377, or consent of the school advisor.

KNR
> (Increased hours)

246   TEACHING DANCE AND TUMBLING/GYMNASTICS FORMS
> **3 sem. hrs.**

Fundamental skills and concepts of dance and tumbling/gymnastics. Safety procedures, skill development, instructional strategies, and assessment are included. Prerequisites: Major or minor only. KNR 158.

Editorial Requests-Courses:

FCS
> (Added "or concurrent registration")

228   APPAREL DESIGN
> **3 sem. hrs.**

Application of art principles to apparel creation through computers and hand techniques. Idea development from conception through production to retailing. Style nomenclature emphasized. Materials charge optional. Prerequisites: FCS 122 and 226. or concurrent registration.

MAT
> (Revised description)

130   DIMENSIONS OF NUMERICAL REASONING M
> **3 sem. hrs.**

Focus on mathematical problem-solving and reasoning with understanding of numbers and their properties through various representations. Not for credit major or minor. May not be taken under the P/NP option. Prerequisite: Mathematics placement or MAT 102A01 or 104.

> (Revised description)

152   DIMENSIONS OF MATHEMATICAL REASONING
> **3 sem. hrs.**

Focus on mathematical problem-solving and reasoning while developing understanding of measurement, geometry, and algebra. Not for credit if had MAT 202. Not for credit major or minor. Prerequisite: Grade of C or better in MAT 130.

Editorial Requests-Program:

BE

(Clarified total hours and removed General Education hours and courses not specifically required for this program)

Business Teacher Education Sequence:

Required courses:

— **89 total hours required.**
— **Business courses (27 hours): ACC 131, 132, 270; BUS 100; FIL 185, 240; MKT 230; MQM 100, 220.**
— **Business Education courses (28 hours): BE 110, 140, 225, 260, 322, 330, 354, 361 (1 hour), 362, 363, 364.**
— **Professional Education (26 hours): EAF 228 or 231 or 235; TCH 210, 212, 216, 219; STT 399A05 Student Teaching (12 hours).**
— **Courses outside of the major (8 hours): ECO 105; MAT 120 or 144.**

Optional Business Computer Programming Specialization (9 hours): Students receive 6 hours of programming through required Business Education courses. Students are recommended to complete BE 365 as the third course. Students may also select ACC 266, TEC 243.

BE

Clarified total hours and removed General Education hours and courses not specifically required for this program)

Training and Development Sequence:

Degrees offered: B.A., B.S.

(Non-Teaching Licensure Program)

Majors must earn and maintain a 2.50 GPA for Admission to Professional Studies (see University-Wide Teacher Education program requirements in this Undergraduate Catalog).

The sequence embraces the ISU conceptual framework by addressing standards from Illinois Professional Teaching Standards, Illinois Business, Marketing, and Computer Education Content Standards, Illinois Core Language Arts Standards, Illinois Core Special Education Standards for all teachers and Core Technology Standards for teachers. These standards were established by the Illinois State Board of Education (ISBE), Council for Accreditation of Education Preparation (CAEP), International Society for Technology in Education (ISTE), and the National Association of Business Teacher Education (NABTE).

Graduates will be prepared to work as a business/industry trainer/instructor, and business professional.

 A 12-credit hour internship will be required for graduation in this sequence. Prior to the internship, students complete a minimum of 100 pre-clinical hours of field experience in a business or educational setting.

Required courses:

— **89 total semester hours.**
— **Business courses (27 hours): ACC 131, 132, 270; BUS 100; FIL 185, 240; MKT 230; MQM 100, 220.**
— **Business Education courses (28 hours): BE 110, 140, 225, 260, 322, 330, 354, 361 (1 hour), 362, 363, 364.**
— **Professional Education courses (14-26 hours): EAF 228 or 231 or 235; TCH 210, 212, 216, 219; STT 399A05 Student Teaching (12 hours).**
— **Courses outside of the major (8 hours) required: ECO 105; MAT 120 or 144.**

NOTE: TCH 212, 216, and 219 must be taken sequentially and cannot be taken at the same time.