


The background of the entire page is a light gray gradient. Scattered across this background are numerous water droplets of various sizes. Some are large and prominent, while others are small and subtle. The droplets have a realistic appearance with highlights and shadows, giving them a three-dimensional look. They are distributed across the top, bottom, and right sides of the page, with a few near the center.

PENN STATE WATER GRADUATE DEGREE PROGRAM

*RECOMMENDATIONS FOR A MASTERS AND PHD PROGRAM
FROM THE CROSS-COLLEGE WATER GRADUATE DEGREE COMMITTEE*



PENN STATE WATER GRADUATE DEGREE PROGRAM

- I. BACKGROUND
 - II. WATER GRADUATE DEGREE PROGRAM COMMITTEE
 - III. RECOMMENDED GRADUATE PROGRAM
 - a) GENERAL CHARACTERISTICS
 - b) COMPONENTS
 - IV. RELATED ACTIVITIES
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BACKGROUND

- CALLS FOR A WATER GRADUATE DEGREE PROGRAM
 - 2013 – INTERNAL WATER TASK FORCE – ESTABLISH AN INTER-DEPARTMENTAL GRADUATE PROGRAM CONNECTING WATER STUDENTS AND FACULTY ACROSS THE UNIVERSITY
 - 2014 – EXTERNAL REVIEW – DEVELOP A JOINT GRADUATE PROGRAM IN WATER SCIENCE
- 2017/2018 – TRACTION, WITH FACULTY FOCUS ACROSS WATER RESOURCES SCIENCE, ENGINEERING, POLICY & MANAGEMENT, LAW, AND LANDSCAPE ARCHITECTURE
- 2018 – WATER COUNCIL ESTABLISHED (FALL)
- 2019 – WATER GRADUATE DEGREE PROGRAM COMMITTEE FORMED

WATER GRADUATE DEGREE PROGRAM COMMITTEE

- FIRST MEETING ON APRIL 2, 2019
- CHARGE TO ***DESIGN AND STAND-UP INTERDISCIPLINARY PROGRAM***
- MEMBERS INCLUDING:
 - FACULTY: COLLEGES AGRICULTURAL SCIENCES, ENGINEERING, EARTH AND MINERAL SCIENCES, ARTS & ARCHITECTURE, INSTITUTES OF ENERGY & ENVIRONMENT
 - GRAD STUDENTS: AG SCIENCES AND ENGR
- TO CONSIDER:
 - CONTENT
 - STRUCTURE: DUAL TITLE & STAND-ALONE INTERCOLLEGE GRADUATE DEGREE PROGRAM (IGDP)
- WORK: COLLECT DIVERSE FACULTY INPUT, BENCHMARKING & RESEARCH, MEETINGS & DISCUSSIONS
- ***RECOMMENDATION: JANUARY 16, 2020***

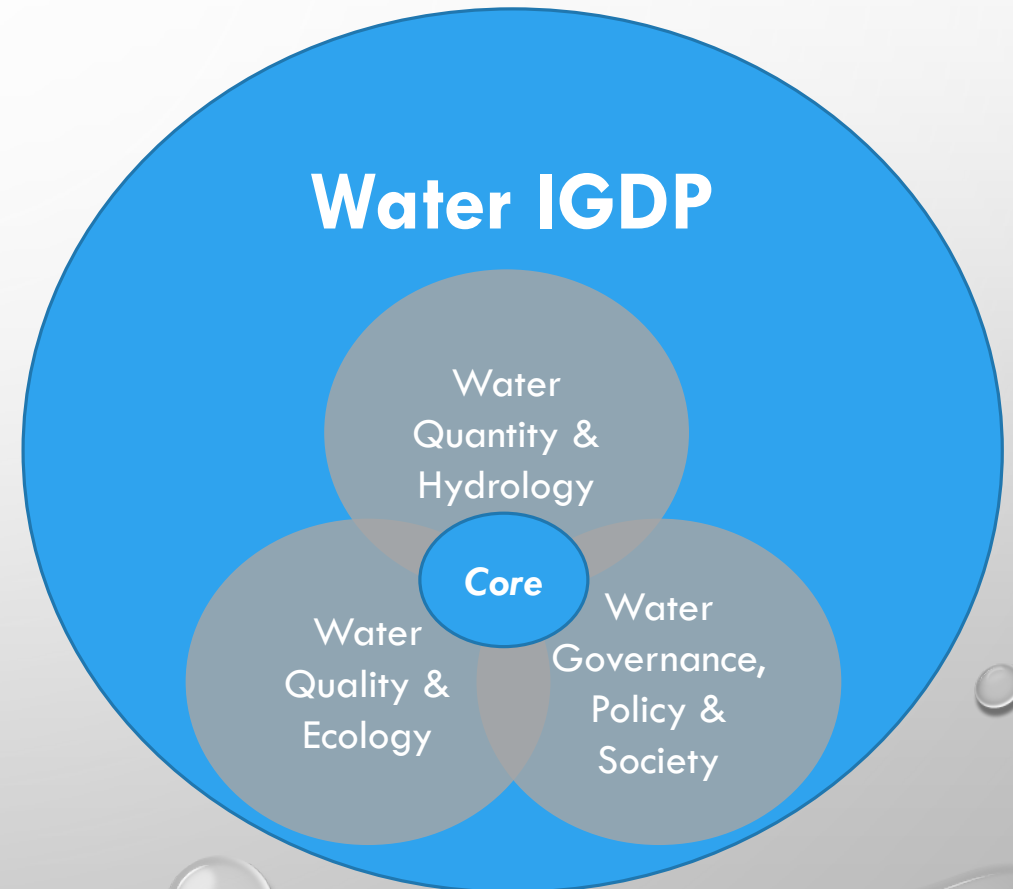
RECOMMENDED PROGRAM: CHARACTERISTICS

- **INTER-COLLEGIATE AND GLOBAL**
- **INTERDISCIPLINARY**
 - E.G., NATURAL SCIENCES, ENGINEERING, SOCIAL SCIENCES AND HUMANITIES
- **CREATE A COHORT OF GRADUATE STUDENTS**
 - FOUNDED IN A SHARED SET OF COMMON COURSES AND EDUCATIONAL EXPERIENCES
 - CONVERSANT AND CAPABLE OF ENGAGING ACROSS DISCIPLINES & SOCIAL SECTORS
 - EDUCATED TO IMPLEMENT SOLUTIONS TO WATER CHALLENGES WHICH ARE ***TECHNICALLY SOUND, ECONOMICALLY FEASIBLE, CULTURALLY APPROPRIATE***

RECOMMENDED WATER PROGRAM: OVERVIEW

MASTERS AND PHD

- RECOMMENDATION FOR A STAND-ALONE IGDP
 - ✓ RECOGNIZE IT COULD WORK AS A DUAL TITLE
- CORE CURRICULUM
 - ✓ 9 CREDITS
 - ✓ COURSES & SEMINARS
 - ✓ BUILD COHORT
- THREE GENERAL CATEGORIES OF STUDY
 - ✓ REMAINING CREDITS
 - ✓ REQUIREMENTS ACROSS ALL THREE CATEGORIES



RECOMMENDED PROGRAM



CORE CURRICULUM (9 CREDITS)

- 1) **COMMON ENTRY COURSE** – TAKEN 1ST SEMESTER, PROVIDES OVERVIEW, BUILDS COHORT (3 CREDITS)
 - GLOBAL WATER ISSUES, WITH TREATMENT OF PA
 - SCIENCE AND MANAGEMENT OF WATER WITHIN SOCIO-ECOLOGICAL-TECHNOLOGICAL SYSTEMS
- 2) **SEMINARS** – ONGOING, EXPOSURE TO DIVERSE TOPICS, MAINTAINS COHORT (3 CREDITS TOTAL)
 - THREE SEMINARS, COULD INCLUDE EXISTING (MODIFIED?) AND/OR NEW SEMINARS
- 3) **FINAL COMMON COURSE** – TAKEN LAST SEMESTER; OPTIONS CONSIDERED INCLUDE...
 - COMMUNICATING WATER: STRENGTHEN COMMUNICATION SKILLS FOR ENGAGING DIVERSE AUDIENCES
 - WATER PRACTICUM: COMMUNITY-BASED, INTER-DISCIPLINARY, TO FUNCTION AS A CAPSTONE

WATER GRADUATE DEGREE PROGRAM

ADDITIONAL AND RELATED ACTIVITIES

- WATER CERTIFICATE
 - INITIAL DISCUSSIONS WITH LAW AND BUSINESS
- WATER GRADUATE STUDENT COMMUNITY
 - CHARETTES INVOLVING 2 DOZEN GRAD STUDENTS FROM ACROSS COLLEGES
 - STRONG INTEREST TO FORM CLUB OR SIMILAR
 - ✓ INTERDISCIPLINARY
 - ✓ PROFESSIONAL
 - ✓ SOCIAL

WATER GRADUATE DEGREE PROGRAM

NEXT STEPS

- PRESENTATIONS
 - ✓ DEPARTMENT FACULTY
 - ✓ SPRING WATER FACULTY MEETING (MAY 11TH)
 - ✓ ONLINE PRESENTATION
- REFINE CONTENT
- REFINE ADMINISTRATIVE ASPECTS
- PRESENTATIONS TO ADMINISTRATION

