

TCNJ THE COLLEGE OF NEW JERSEY

MASTER OF EDUCATION IN INTEGRATIVE STEM

The Master of Education in Integrative STEM degree program prepares in-service teachers with current, integrative, and design-centric teaching and learning methods. Online and hybrid courses are offered to accommodate the needs of working teaching professionals. Course environments include small classes that deliver personalized instruction. The TCNJ Department of Integrative STEM Education is a national leader in PK-12 Technology, Engineering, and Integrative STEM education.

INTEGRATIVE STEM TEACHING & LEARNING CORE

FIFTEEN CREDITS

STEM 510: Foundations in Integrative STEM

STEM 520: Integrative STEM Pedagogy

STEM 530: Integrative STEM Curriculum

STEM 610: Emerging Trends & Issues in Integrative STEM

STEM 660: Creativity & Systems

STEM 700: Integrative STEM Capstone

STEM EDUCATION CONTENT & RESEARCH

NINE CREDITS

STEM 631: Applied Math & Statistics for Educators

STEM ELECTIVE: 1 STEM content course

EDFN 508: Introduction to Research

STEM 635: Data Visualization & Analytical Info Design
STEM 641: Biotechnology Systems and Sustainable Design
STEM 661: Architecture and Civil Technology Systems
STEM 671: Mechanical Technology Systems and Design
STEM 681: Electronics Technology Systems and Design

ELECTIVES

TWELVE CREDITS

ELECTIVES: 4 elective courses, selected by advisement

packages of elective courses are available in several different pathways

PATHWAYS (4-course packages)

Supervisor Certification
Design
Environmental Sustainability Education
Research
Inclusion Practices/Special Education
Middle School Math
Self-Defined

ADMISSION REQUIREMENTS

Bachelors degree with a valid teacher certification.

Graduate Record Exam (GRE)

For test waiver information, please visit
<http://graduate.tcnj.edu/apply/>

Submission of Graduate Application materials, including a Field Supplement Report.

See Graduate Studies website for more detailed descriptions of required application materials for matriculation and non-matriculation students.

FOR FURTHER INFORMATION

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