

Catalog of Postgraduate Programs and Curricula

Curriculum for GD(EVNG) (For students admitted in 2010-11)

Program Requirements for Graduate Diploma (GD) Program in Environmental Engineering

Credits

To complete a **minimum of 15 credits** of coursework, including:

- At least 8 credits of JEVE foundation courses; and
- At least 3 credits of elective courses.

Courses

1. Foundation courses (at least 8 credits):

CIVL	346	<i>Process Design of Environmental Engineering Facilities</i>
JEVE	526 ⁽¹⁾	<i>Air Pollution Meteorology</i>
JEVE	531 ⁽²⁾	<i>Measurement of Air Pollutants</i>
JEVE	532 ⁽³⁾	<i>Water Quality and Assessment</i>
JEVE	535 ⁽⁴⁾	<i>Indoor Air Quality Science and Control</i>
JEVE	541	<i>Risk Assessment and Contaminated Land Cleanup</i>
JEVE	542 ⁽⁵⁾	<i>Biological Waste Treatment</i>
JEVE	543 ⁽⁶⁾	<i>Solid Waste Landfill Engineering Design</i>
JEVE	546 ⁽⁷⁾	<i>Physico/Chemical Processes of Environmental Engineering</i>
JEVE	547	<i>Industrial Wastewater Treatment</i>
JEVE	548	<i>Wastewater Treatment and Reuse</i>
JEVE	549	<i>Modeling of Biological Treatment</i>
JEVE	576	<i>Advanced Physio-Chemical Treatment Processes</i>
JEVE	582	<i>Energy, Environment and Sustainable Development</i>

2. Elective Courses (at least 3 credits):

CIEM	516	<i>Construction Financial Management</i>
CIEM	557	<i>Water Excess Engineering and Management</i>
CIEM	581	<i>Engineering Risk, Reliability and Decision</i>
CIVL	351	<i>Municipal Hydraulic Systems</i>
ENVR	521	<i>Environmental Microbiology</i>
EVSM	522	<i>Advanced Environmental Chemistry</i>
EVSM	607	<i>Environmental Impact Assessment</i>
JEVE	600	<i>Topics in Environmental Engineering</i>
JEVE	698	<i>Independent Project</i>

3. Other Courses (maximum 3 credits):

Subject to the recommendation from the Program Director and approval from the course instructor, students may take a maximum of 3 credits of CIVL courses at 300-level (as specified above) and a maximum of 3 credits of PG courses not from the above course lists to meet the graduation requirement of the program.

Notes:

1. *JEVE 526 can be substituted by IBTM 523, MECH 526 or MESF 526.*
2. *JEVE 531 can be substituted by CENG 531.*
3. *JEVE 532 can be substituted by CENG 532.*
4. *JEVE 535 can be substituted by IBTM 543.*
5. *JEVE 542 can be substituted by CIVL 542.*
6. *JEVE 543 can be substituted by CIVL 546.*
7. *JEVE 546 can be substituted by CIVL 541.*

Study Load

Part-time students may take a maximum of 9 credits in each semester.

Credit Transfer

Subject to the approval of the Program Director and regulations of the University, a maximum of 6 credits can be transferred from other institutions to the GD program.