**THOMPSON RIVERS UNIVERSITY**

**MEETING OF THE
PLANNING COUNCIL FOR OPEN LEARNING**

Thursday, June 20, 2019
3:00 – 4:00 PM
CN Boardroom, 3rd floor Clock Tower (Kamloops Campus)

**AGENDA**

**1.   CALL TO ORDER**
a.  Territorial Acknowledgment

**3.   APPROVAL OF MINUTES**
a.  Minutes of May 10, 2019

**4.   OPEN LEARNING PROGRAMS/COURSES**
a. Graduate Program Modification, Master of Business Administration —
Don Poirier
b. Open Learning Water Treatment Programs —
C. Bovis-Cnossen

**5.   TERMINATION OF MEETING**

**THOMPSON RIVERS UNIVERSITY**

# MEETING OF THE
# PLANNING COUNCIL FOR OPEN LEARNING

Thursday, May 10, 2019
1:00 PM – 3:00 PM
CN Boardroom, 3rd Floor Clock Tower Building (Kamloops Campus)

# MINUTES

## Present

Christine Bovis-Cnossen (Chair), Airini, Kourtney Cameron, Brian Lamb, Michelle Lamberson (by teleconference), Richard McCutcheon, Tannis Morgan (by teleconference), John Patterson (by videoconference), Don Poirier, John Sparks

## Executive and Others Present

Desiree Judd (University Governance Assistant), Jane Hewes (Faculty of Education and Social Work), Tanya Pawliuk (Faculty of Education and Social Work), Satwinder Paul (Lecturer and Program Coordinator from Water and Waste Water Technology Programs), Kristen Hamilton (Manager, Integrated Planning & Effectiveness)

1. **CALL TO ORDER**

   The Chair, C. Bovis-Cnossen, called the meeting to order at 1:04 p.m. She acknowledged being on the traditional lands of the Tk'emlúps te Secwépemc within Secwépemc'ulucw, the traditional territory of the Secwépemc people.

2. **ADOPTION OF AGENDA**

   *On Motion duly made and adopted, it was **RESOLVED** that the agenda be adopted as circulated.*

2. **APPROVAL OF MINUTES**

   a. Minutes of January 17, 2019

   *On Motion duly made and adopted, it was **RESOLVED** that the minutes of January 17, 2019 be approved as circulated.*

## 3. REPORTS OF OFFICERS

    a. Provost and Vice-President, Academic

        i. Open Governance Initiative Update

        The Chair reported that the Joint Meeting of the BoG, Senate and Planning Council for Open Learning will be rescheduled in the fall.

        ii. Accreditation Update

        The Chair gave an accreditation update reporting that the site evaluation took place on campus and the evaluators were very pleased. The President of NWCCU was on campus as a non partisan observer. TRU received 4 recommendations and 4 commendations and has met two recommendations since the last visit, namely the requirements of demonstrating our evergreening approach of IT infrastructure and IT systems as well as Academic Freedom.

        We were commended on our approaches with sustainablility, high impact undergraduate research and mentorship, and our approach to general education. The recommendations that we still need to fullfil are mission fulfillment, general education, financial controls, and the implementation of general education. The full report will be available once the report comes back from the NWCCU.

        C. Bovis-Cnossen also reported that Senate has approved the General Education model and institutional learning outcomes for the University. Notice of motion was served to Senate for the revisions to the Undergraduate Credentials Policy. Once it is approved TRU will have about a year to implement the policy.

    b. Interim Associate Vice-President, Open Learning

        D. Poirier provided an update on the Strategic Planning Process. He reported that we are gathering input from other key stakeholders and will use the input to rework TRU thinking and sketch out goals. It was also noted that the university is conducting an envision exercise on campus that is allowing Open Learning to gain information. An update will be given at the next meeting.

        D. Poirier also reported that Simon Fraser has backed out of the consortium and Open Learning is no longer engaged with UVic. UBC is willing to waive administrative fees for open learning students as an expression of their willingness to still engage. The Canadian Virtual University has been dismantled and how to fulfill current obligations is being worked out.

        It was reported that the relationship with OERu is progressing and it was confirmed that the last key piece of a course needed for the articulation agreement is

complete. It will start off with OERu courses into a certificate but we may be able to get a diploma out of the agreement.

The positions of the Director of PLAR and the Director of Curricular Development have been filled.

4. **OPEN LEARNING PROGRAMS/COURSES**

   a. Program Market Analysis Committee (PMAC) Report of January 17, 2019

   D. Poirier presented the PMAC report that was circulated in the agenda package. Jane Hewes and Tanya Pawliuk were present to answer any questions.

   b. Reports from the Senate Academic Planning and Priorities Committee to PCOL

      i. February 2019

      The Chair gave the report from APPC for February 2019 that was circulated in the agenda package. Agenda items submitted for approval from the School of Science were held over as there were no representatives available to answer questions.

      Satwinder Paul, Lecturer and Program Coordinator from Water and Waste Water Technology Programs, came forward to answer questions regarding the Program Modification, Water Treatment Certificate OL and the Program Modification, Water Treatment Technology Diploma OL. The Program modifications may come back to PCOL if it is determined that approval from PCOL is required.

      iii. March 2019

      The Chair gave the report from APPC for March 2019 that was circulated in the agenda package and asked Jane Hewes and Tanya Pawliuk to discuss the New Program: Human Service Diploma *OL. This item was for approval to recommend to the Board of Governors for approval.

      *On Motion duly made and adopted, it was **RESOLVED** that Planning Council for Open Learning approves and recommends to the Board of Governors for approval the prerequisites and residency requirements for the Human Service Diploma *OL.*

      iv. May 2019

      The Chair gave the report from APPC for May 2019 that was circulated to the members of the Council and asked Jane Hewes and Tanya Pawliuk to discuss the Category III Program Modification: Social Service Worker Certificate *OL.

*On Motion duly made and adopted, it was **RESOLVED** that Planning Council for Open Learning approves the changes to the admission requirements to the Social Service Worker Certificate \*OL.*

### 5.  ENROLMENTS

a.  Enrolment Report

Kristen Hamilton presented the Enrolment Report and was available to answer questions. The Enrolment Report was circulated in the agenda package.

### 7.  NEXT MEETING

a.  The date of the next meeting of the Planning Council for Open Learning is November 21, 2019, 9:00-11:00am, CN Boardroom, Clock Tower (Kamloops campus)

### 8.  TERMINATION OF MEETING

The Chair terminated the meeting at 3:15 p.m.

# GRADUATE PROGRAM MODIFICATION

**School of Business & Economics**
**Master of Business Administration**

| | | | |
|---|---|---|---|
| Date of Proposal: | November 2018 | Proposed Implementation Date: | Fall 2019 |

Last Action Taken: Approve by Graduate Studies Committee Chair Debbie (Proxy for S. Mahara, GSC Chair) Krebs

Awaiting Action: Awaiting Action by APPC Chair

## Rationale

- Change admissions requirements to remove computing skills requirement, include an exceptions policy for applicants who do not meet minimum academic requirements and to include a broad English Language Proficiency Requirement which considers all institutional equivalents to minimum recent academic IELTS requirement.
- Merge GDBA requirements (5000-level courses) into the MBA.
- Change Course-Based Option to include BUSN 6950/6951-Research Methods, Preparation and Presentation, BUSN 6910-Selected Topics in Business Administration, graduate business course elective
- Change the residency requirement to 30 credits from 21 credits to comply with TRU policy.
- Change BUSN 6250/6251 Decision Analysis to a Core Course and BUSN 6060/6061 Strategic Management Information Systems to Course-Based Option.
- Update MBA program learning outcomes.

## 1. DEGREE LEVEL STANDARD

*a) Describe how the proposed program meets the knowledge and skill level requirements of the program degree level.*

## 2. CREDENTIAL RECOGNITION AND NOMENCLATURE
(The institution must demonstrate that the credential is or can be recognized and accepted by professional and licensing bodies and employers. The name of a degree should convey long-term meaning; the content of a degree program should be consistent with the name; and the reputation of the institution and of post-secondary education in British Columbia should be enhanced by the quality of the offering. Beyond that is the value to graduates to having a professional credential recognized by appropriate licensing and accrediting bodies as the basis for entry to practice.)

*a) Where applicable, describe the consultations undertaken to ensure the credential and learning outcomes will be recognized by and meet the standards of industry/employers and regulatory bodies.*

*No change*

*b) In an appendix, provide a copy of the policies and procedures pertaining to notifying students of credential recognition and/or transfer.*

*N/A*

## 3. CURRICULUM/PROGRAM CONTENT
(The institution must demonstrate that the program offers an education of sufficient breadth and rigour to be comparable to similar programs at the proposed degree level offered by recognized provincial, national and international post-secondary institutions. The curriculum must be current and reflect the state of knowledge in the field, or fields in the case of interdisciplinary and multidisciplinary programs.)

*a) Identify the prescribe set of core and prerequisite courses. Course descriptions included in the Full Program Proposal (FPP) should be of the level of detail found in the academic calendar. Full Course outlines must be made available to any expert reviewers, or may be attached to the FPP as appendices.*

### Core Courses

1. BUSN5010-Managerial Statistics (3)
   or
2. BUSN5011-Managerial Statistics (3)
3. BUSN5020-Financial Accounting (3)
   or
4. BUSN5021-Financial Accounting (3)
5. BUSN5030-Management Accounting (3)
   or
6. BUSN5031-Management Accounting (3)
7. BUSN5040-Global Economics (3)
   or
8. BUSN5041-Global Economics (3)
9. BUSN5050-Marketing Management (3)
   or
10. BUSN5051-Marketing Management (3)

11. BUSN5060-Human Resource Management (3)
    or
12. BUSN5061-Human Resource Management (3)
13. BUSN6010-Ethics and Corporate Social Responsibility (3)
    or
14. BUSN6011-Ethics & Corporate Social Responsibility (3)
15. BUSN6020-Corporate Finance (3)
    or
16. BUSN6021-Corporate Finance (3)
17. BUSN6030-International Business (3)
    or
18. BUSN6031-International Business (3)
19. BUSN6040-Leadership and Organizational Development (3)
    or
20. BUSN6041-Leadership and Organizational Development (3)
21. BUSN6050-Supply Chain Management (3)
    or
22. BUSN6051-Supply Chain Management (3)
23. BUSN6070-Project Management and Consulting Methods (3)
    or
24. BUSN6071-Project Management and Consulting Methods (3)
25. BUSN6250-Decision Analysis and Modelling (3)
    or
26. BUSN6251-Decision Analysis and Modelling (3)
27. BUSN6080-Strategic Management (3)
    or
28. BUSN6081-Strategic Management (3)
29. (0)

## Course-Based Option (Select four courses)

1. BUSN6150-Advanced Marketing Management (3)
   or
2. BUSN6151-Advanced Marketing Management (3)
3. BUSN6210-Advanced Corporate Finance (3)
   or
4. BUSN6211-Advanced Corporate Finance (3)
5. BUSN6310-Innovation and Entrepreneurship (3)
   or
6. BUSN6311-Innovation and Entrepreneurship (3)
7. BUSN6950-Research Methods, Preparation, and Presentation (3)
   or
8. BUSN6951-Research Methods, Preparation, and Presentation (3)
9. BUSN6060-Strategic Management Information Systems (3)
   or
10. BUSN6061-Strategic Management Information Systems (3)
11. (0)
12. BUSN6910-Selected Topics in Business Administration (3)

## Graduate Thesis Option (Both courses are required) (15 Credits)

1. BUSN6950-Research Methods, Preparation, and Presentation (3)
   or
2. BUSN6951-Research Methods, Preparation, and Presentation (3)
3. BUSN6960-Graduate Thesis (12)

## Graduate Project Option (Both courses are required) (12 Credits)

1. BUSN6950-Research Methods, Preparation, and Presentation (3)
   or
2. BUSN6951-Research Methods, Preparation, and Presentation (3)
3. BUSN6970-Graduate Project (9)

## Free Form Curriculum Information

The on-campus version of courses end in "0" and the online versions end with "1". Students may take all on-campus courses, all online courses or a mixture of the two modalities when completing their degrees.

Students may substitute other graduate-level courses in the Course-Based option. These may include graduate courses offered by the School of Business and Economics, other TRU graduate programs or other acceptable universities. All course substitutions must be approved by the degree committee.

Students who successfully complete or receive waivers for the six, 5000-level courses in the Core of the MBA with a minimum GPA of 3.0, subject to the program residency requirement of three courses completed at TRU, may apply to receive the GDBA credential.

**b) Degree/Graduation Requirements.**

*Students who successfully complete each course or receive a course waiver or transfer or PLAR credit will be awarded an MBA, subject to the program residency requirement of 30 credits completed at TRU. Students must maintain an overall program GPA of 3.00 in order to graduate.*

*All required program credits need to be completed within 7 years from the date of admission. Students are required to complete a minimum of 36 credits.*

*c) Describe the program structure and the length of the program (number of credit hours), student admission requirements and proposed student evaluation.*

*Admission Requirements: see Admission*

*Program Requirements:  See Curriculum*

*d) Explain how the course and curriculum requirements will be integrated to contribute to the intended goals of the program.*

*No change*

*e) Identify which courses already exist at the institution and which new courses will be implemented as a result of the program.*

*No change*


## 4. ADMISSION AND TRANSFER/RESIDENCY
(The institution should demonstrate that the program is designed to provide flexible admission and transfer arrangements.)

*a) Describe the admission requirements for this program.*

*To be considered for admission:*

*Academic - Applicants should possess a three or four-year undergraduate degree in any discipline with a minimum B average (GPA of 3.0 on a scale of 4.33 or local equivalent) in the last 60 credits.   Applicants with a 4-year business degree from an acceptable institution may be eligible for accelerated entry directly into the 6000-level courses.*

*A GMAT score is not required, but candidates may be asked to submit a GMAT score to aid the degree committee in assessing their application when deficiencies are identified.*

*Exceptions may be considered.*

*Language Proficiency – Applicants should demonstrate their language proficiency. Applicants who did not complete their undergraduate degree at an English language university in a country where English is the primary language should have a recent minimum academic IELTS score of 7.0 (with no band below 6.5) or institutional equivalent.*

*Quantitative  – Applicants should possess adequate quantitative skills assessed through successful completion of specific undergraduate courses in quantitative subjects or an optional GMAT score.   Those deemed to be deficient in these areas may be accepted but required to undertake other approved courses or developmental activities to upgrade their quantitative skills.*

*Resume and Letter of Intent - Applicants should demonstrate the maturity, motivation and communication skills to be successful in the program. This will be assessed by means of a letter of intent and resume.*

*b) Describe the existing practice or proposed policy for the granting of transfer credit for equivalent courses and/or programs completed at other institutions that will satisfy the requirements for this program.*

*Students may receive a course waiver for 5000-level courses if the degree committee determines they have equivalent recent undergraduate or graduate course work in the area from an acceptable institution.  Transfer credit may be awarded for 6000-level courses for equivalent graduate courses only.  All students must receive a grade of B (GPA of 3.00) or higher in the corresponding undergraduate or graduate course to receive waiver or transfer credit.*

*c) If applicable, describe the policy and practice for granting credit toward meeting requirements for this program based on prior learning assessment.*

*Students can apply for Prior Learning Assessment and Recognition (PLAR) as per policy.  PLAR may not apply to all courses.*

*d) Describe the residency requirements for this program. Specify the minimum number of credits that must be completed at the institution awarding the degree.*

*30 credits*

*e) Describe existing arrangements for plans for establishing articulation agreements so that transfer credit will be granted for courses completed in this program toward meeting requirements for credentials offered at other institutions.*

*No change*

*f) Institutions are encouraged to have in place a policy and process that provides students credit for previous post-secondary studies so that they are not required to repeat courses they have previously completed.*

*No change*


## 5. PROGRAM CONSULTATION
(The institution must demonstrate that it has consulted appropriate individuals and organizations in the development of the program proposal.)

*a) Provide a list and brief explanation of the nature of the consultations that have occurred in the development of the degree program.*

*No change*

*b) Attach all written comments, both positive and negative, from:*
- *relevant employers;*
- *relevant professional associations;*
- *program advisory committees;*
- *other British Columbia institutions (this will include comments provided through the peer review process on the Post-secondary Institution Proposal System);*
- *institutions outside British Columbia*
- *experts in the proposed field of study; and,*
- *external academic consultants*

*N/A*

*c) Evidence of labor market and student demand.*

*No change*

## 6. PROGRAM REVIEW AND ASSESSMENT
(In order to ensure the ongoing currency of the program and the quality of its learning outcomes, the institution must show evidence that a program review and assessment procedure is in place.)

*a) Indicate the policies/procedures that are planned for ensuring adequate depth, breadth and frequency of ongoing review and assessment once the program has been implemented.*

*No change*

## 7. CALENDAR DESCRIPTION

a) Program Description

The Master of Business Administration (MBA) program focuses on producing managers and leaders who can meet current market challenges, with an emphasis on decision making in an uncertain environment; interpersonal and communication skills; ethics and social responsibility; and globalization. The program also caters to those wanting to develop their academic and applied research skills through its Graduate Thesis and Graduate Project Options. The completion of a thesis or project can serve as a stepping-stone to a PhD program and an eventual career in academia or consulting.

TRU's MBA program is unique among Canadian universities in that the same program is offered in the campus-based and online modalities on a full-time or part-time basis. This provides students with the ability to adopt the learning style that best suits them and to adjust their education to accommodate their busy work and personal schedules. Through the use of innovative online learning technologies, the MBA ensures all students receive a rich learning experience regardless of modality with a focus on quality interaction among fellow students, faculty and industry professionals.

The courses in the MBA were specifically selected to develop the knowledge and applied skills needed to achieve success at the management and executive levels of an organization in any field. Students will complete the required courses in the MBA Core and select between three completion options:

1. the Course-Based Option,
2. Graduate Thesis Option or
3. Graduate Project Option.

**Learning Options**

**Part-time** – Yes

**On-Campus** – Yes

**Distance** – Yes

**Program Start Dates** – September, January, May

## 8. DESCRIPTION

a) Description, including aims, goals, and objectives

**Learning Outcomes**

Upon successful completion of the MBA, graduates are able to

 **Knowledge**
- Demonstrate a broad understanding of business concepts.

**Analytical skills**
- Apply critical thinking and analytical tools to business issues.

**Decision-making**
- Make informed strategic, tactical, and operational decisions in an uncertain and dynamic environment.

**Communications**

- Communicate effectively and professionally in English, both orally and in writing.
- Prepare and deliver quality business documents and presentations.

**Leadership**

- Demonstrate effective leadership skills.

**Global Mindset**

- Understand the value of multiculturalism and diversity.
- Recognize the complexity of the global economic environment.

**Life Skills**

- Act ethically and independently.
- Develop career networks.

**Sustainability**

- Integrate sustainability into decision-making and management practices.

## 9. RATIONALE, PHILOSOPHY, AND GOALS

*a) Contribution to TRU goals; consistency with TRU and Divisional/Faculty/School 3-year Plans.*

*No change*

*b) Planned Program Profile (number of student FTEs).*

*No change*

## 10. CONSULTATION, ACCOUNTABILITY AND EVALUATION

*a) Uniqueness of the program.*

*No change*

*b) Impact on other programs.*

*No change*

*c) Anticipated approval or accreditation requirements from external agencies.*

*No change*

## 11. APPENDIXES

Paper submissions with signatures September 2013

**Open Learning Water Treatment Programs**: Course and program modifications for PCOL . This spreadsheet outlines course pre-requisites information and Program admission requirements. There is no change to program residency or admission requirements.

All changes are part of the restructure of the Open Learning Water Treatment Technology program. These modifications better align the program with the skills and competencies required by the industry.

**Note: All course and program information, and approval to date by APPC and EPC, is available to view in CurricUNET. Course pre-requisites modifications cleanup outdated and, in some cases, erroneous information that was imported into the governance approval software at the first data conversion.**

| Program Admission Requirements: | | | |
|---|---|---|---|
| Water Treatment Technology Certificate Level 1<br><br>CNET link:<br>https://www.curricunet.com/TRU/reports/program_comments.cfm?programs_id=103 | Completion of British Columbia Grade 12 (or equivalent) is required while Chemistry 11 and Principles of Mathematics 11 are both recommended. Beginning September 2013, applicants are recommended to have Math 11 (Foundations).<br><br>In lieu of the aforementioned requirements, individuals with industry-related experience may be admitted with less than the total admission requirements pending permission from the program coordinator. | Water Treatment Operations Certificate<br>https://www.curricunet.com/TRU/reports/program_comments.cfm?programs_id=769 | Grade 12 graduation (or equivalent) |
| | | Water Treatment Technology Diploma<br>https://www.curricunet.com/TRU/reports/program_comments.cfm?programs_id=770 | Grade 12 graduation (or equivalent) |

| Course Changes | | | | | |
|---|---|---|---|---|---|
| **Old course (all 1 credit)** | **Old pre-requisite (information in CNET)** | **Action** | **New course (3 credit)** | **Proposed (New) requisites** | |
| WTTP 1171 Environmental Legislation | **Prerequisite:**<br>Industry experience or acceptance into the Water Treatment Technology program | Deletion | | | |

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|---|---|---|---|---|---|
| WTTP 1181 Occupational Health and Safety | **Prerequisite:** Industry experience or acceptance into the Water Treatment Technology program | Deletion | **WTTP 1741**, Environmental Legislation Safety and Communications | **Prerequisite:** Industry experience or acceptance into the Water Treatment Technology program. **Exclusion** WTTP 1740 | New course https://www.curricunet.com/TRU/reports/course_comments.cfm?courses_id=3614 |
| WTTP 1191 Communications | **Prerequisite:** Industry experience or acceptance into the Water Treatment Technology program | Deletion | | | |
| | | | | | |
| WTTP 1291 Moving Water | **Prerequisite:** Industry experience or acceptance into the Water Treatment Technology program. **Recommended:** WTTP 1731 | Deletion | **WTTP 1831**, Mechanical Systems 2 & Energy Management | **Prerequisite**: Acceptance into the Water Treatment Technology program or the Water and Wastewater Certificate or Diploma program. **Prerequisite:** WTTP 1731 **Exclusion:** WTTP 1830 | New course https://www.curricunet.com/TRU/reports/course_comments.cfm?courses_id=3615 |
| WTTP 1301 Major Process Equipment | **Prerequisite:** Industry experience or acceptance into the Water Treatment Technology program. **Recommended:** WTTP 1731, 1291 | Deletion | | | |
| WTTP 1311 Secondary Process Equipment | **Prerequisite:** Industry experience or acceptance into the Water Treatment Technology program. **Recommended:** WTTP 1731, 1291, 1301 | Deletion | | | |
| | | | | | |
| WTTP 2051 Intro to Water Chemistry | Prerequisite: WTTP 1801, 1821, 1839, 1851, 1860, 2760 | Deletion | **WTTP 2711**, Water Chemistry | **Prerequisite:** Completion of the Water Treatment Operations Certificate or completion of the Water and | New course: https://www.curricunet.com/TRU/reports/course_comments.cfm?courses_id=3616 |
| WTTP 2061 Inorganic Species in Water | **Recommended:** Industry experience or completion of all courses in level one and two of the Water Treatment Technology program | Deletion | | | |
| WTTP 2071 Organic Species in Water | **Recommended:** Industry experience or completion of all | Deletion | | | |

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| | courses in level one and two of the Water Treatment Technology program | | | Wastewater Utilities Certificate. **Exclusion** WTTP 2710 | |
| | | | | | |
| WTTP 2131 Concepts of filtration | **Prerequisite:** Completion of the Water Treatment Technology program level two, or the equivalent education or field experience as awarded Prior Learning Assessment. | Deletion | **WTTP 2731,** Filtration | **Prerequisite** Completion of the Water Treatment Operations Certificate or Water and Wastewater Utilities Certificate. **Exclusion** WTTP 2730 | New course: https://www.curricunet.com/TRU/reports/course_comments.cfm?courses_id=3621 |
| WTTP 2141 Slow and Rapid Sand Filtration | **Recommended:** Industry experience or acceptance into the Water Treatment Technology program**.** | Deletion | | | |
| WTTP 2151 Membrane and Alternative Filtration Techniques | **Recommended:** Industry experience or acceptance into the Water Treatment Technology program**.** | Deletion | | | |
| | | | | | |
| WTTP 2171 Basic Principles of Disinfection | **Recommended:** Industry experience or completion of the second level of the program. | Deletion | **WTTP 2741,** Disinfection | **Prerequisite:** Completion of the Water Treatment Operations Certificate or Water and Wastewater Utilities Certificate. **Exclusion:** WTTP 2740 | New course: https://www.curricunet.com/TRU/reports/course_comments.cfm?courses_id=3622 |
| WTTP 2181 Standard Disinfection Practices | **Recommended:** Industry experience or completion of the second level of the program. | Deletion | | | |
| WTTP 2191 Advanced Disinfection and Fluoridation Practices | **Recommended:** Industry experience or completion of the second level of the program. | Deletion | | | |
| | | | | | |
| WTTP 2291 Computers in Industry | **Recommended:** Industry experience or completion of the third level of the program. | Deletion | **WTTP 2821,** Instrumentation 2 | **Prerequisite:** Completion of the Water Treatment Operations Certificate or Water and Wastewater | New course: https://www.curricunet.com/TRU/reports |
| WTTP 2301 Advanced programmable Logic Controllers | **Recommended:** WTTP 2701 or industry experience | Deletion | | | |

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|---|---|---|---|---|---|
| WTTP 2311 Industrial Communications | **Recommended:** Industry experience or completion of the third level of the program. | Deletion | | Utilities Certificate. **Prerequisite:** WTTP 1821 **Exclusion:** WTTP 2820 | orts/course_comments.cfm?courses_id=3623 |
| | | | | | |
| WTTP 2331 People Management | **Prerequisite:** WTTP 1740, 1171, 1181, 1191 **Prerequisite:** Industry experience of completion of level three of the Water Treatment Technology Program | Deletion | **WTTP 2831,** Management and Leadership Skills | **Prerequisite:** Completion of Year 1 of the Water Treatment Technology Program. **Exclusion:** WTTP 2830 | |
| WTTP 2341 Asset and Operations Management | **Prerequisite:** WTTP 1740, 1171, 1181, 1191 **Prerequisite:** Industry experience of completion of level three of the Water Treatment Technology Program | Deletion | | | New course: https://www.curricunet.com/TRU/reports/course_comments.cfm?courses_id=3620 |
| WTTP 2351 Financial Management | **Prerequisite:** WTTP  1740, 1171, 1181, 1191 **Prerequisite:** Industry experience of completion of level three of the Water Treatment Technology Program | Deletion | | | |
| | | | | | |
| WTTP 1731 Mechanical Systems 1 | **Prerequisite** Acceptance into either the Water & Wastewater Certificate or Diploma programs or the Water Treatment Technology program. **Exclusio**n WTTP 1730 | Course change | WTTP 1731 Mechanical Systems 1 & Water Distribution | **Prerequisite** Acceptance into either the Water & Wastewater Certificate or Diploma programs or the Water Treatment Technology program. **Exclusio**n WTTP 1730 | |
| | | | | | |
| WTTP 1801 Electrical Fundamentals 1 | **Prerequisite:** WTTP 1701, 1711, 1721, 1731, 1740, 1760 **Exclusion:** WTTP 1800 | Course change | WTTP 1801 Applied Electrical Systems | **Prerequisite** Acceptance into either the Water Treatment Technology program or the Water & Wastewater Certificate or Diploma programs. | |

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| | | | | **Exclusion** WTTP 1800 | |
|---|---|---|---|---|---|
| WTTP 1891 Practicum 1 | **Prerequisite** Industry experience or completion of all previous level two courses within the Water Treatment Technology program. **Exclusion** WTTP 1890 | Course change | WTTP 1891 Water Treatment Lab | **Prerequisite:** Industry experience or completion of all year 1 WTTP courses. | |
| WTTP 2891 Practicum II | None | Course change | WTTP 2891 Water Treatment Field Project | **Prerequisite:** Completion of all year 1 and year 2 WTTP courses. | |
| **NEW COURSE** | | | | | |
| NEW COURSE | | New course | **WTTP 2841 Source Water Protection Management** | **Prerequisite:** Completion of Year 1 of the Water Treatment Technology program or Year 1 of the Water and Wastewater Certificate and Diploma program. **Exclusion** WTTP 2840 | New course https://www.curricunet.com/TRU/reports/course_comments.cfm?courses_id=5377 |

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