**Curriculum Renewal:**

**Analysis and Action Plan Template 2014/15**

| **Program Coordinator:**  | **Richard McCullough** | **School:** | **SENRS** |
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| **Program Code:** | **HEO** | **Date Completed:** | **June 11, 2015** |
| **Program Name:**  | **Heavy Equipment Operator** |

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| **A. Analysis of Indicators**Note: data is **not** recorded in this section of the template.**Reflect on, and discuss, the following indicators in the context of the curriculum and program:**   |
| 1. **Industry / Sector Trends**
	1. Identify any new or emergent *industry or sector* related issues and trends over the past year that will impact your program?
* ***Use of GPS machine controls are expanding in industry.***
	1. What are the Advisory Committee recommendations from the past year that will affect the positioning, nature, or scope of your program?
* ***There was a recommendation to provide AZ training to graduates of the program.***
	1. What information / observations have been generated via faculty and staff professional development, engagement in sectoral and profession associations, or involvement in community and employer networks connected to the field?
* ***None at this time.***
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| **2. Curriculum Development*** 1. Identify any curriculum changes in the last year such as changes in course content and course materials, course / program outcomes, innovative delivery approaches, and/or assessment practices.
* ***The program was completely redeveloped this year as recommended in the last program review. All program courses are highly integrated and all learning materials are available in D2L. A new textbook was created for the program as material was previously outdated. This custom created text book was obtained from the US and is based on an apprenticeship model. Students` hands-on learning is worth 60% of the overall marks for the 12 week course. Rubrics have been developed to assess students.***
	1. Does the current curriculum align with the college’s e-learning strategy which strives to have all Fleming graduates experience technology enhanced learning in each semester of their program? Identify courses where possible.
* ***Students engage in learning activities online as the program content is now all available on D2L. Rubrics, assignments, quizzes, and learning aids are all used in D2L. The program has become virtually paperless. I-pads are used in the field to assess students using D2L rubrics.***
	1. Does the current curriculum align with the College’s Strategic Plan to *“infuse sustainability across the curriculum and across the student experience so that graduates understand and address sustainability issues.” (Goal 3.3)* Please identify which courses/experiences in the students’ program that sustainability issues are addressed.
* ***The program has gone virtually paperless to support the sustainability initiatives of the school.***
	1. Identify any recent or anticipated initiatives that promote student pathways including partnerships with high schools, program laddering, university transfer / articulations, or continuing education?
* ***MECH 295 is offered as a dual credit to high school students.***
	1. Identify any new competitor programs and/or re-positioning of existing programs?
* ***none***
	1. Identify if there are any new or changing provincial standards, standards for accreditation, credentials, and / or industry or sector certifications over the past year?
* ***None at this time.***
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| **3. Applied Learning*** 1. Does the current program contain a discrete Applied Learning opportunity for students? If yes, which category of Applied Learning is fulfilled?

\_\_\_ Field Work (Indirect Supervision)\_\_\_ Field Work (Direct Supervision)\_\_\_ Co-op\_\_\_ Applied Project / Applied Research Project * 1. If the answer to 3.1 is no, are there plans to create a discrete Applied Learning opportunity for students within this program? Why or why not?
* ***The PAC was asked whether they support the inclusion of a Co-op. It was reported that co-op would be beneficial for the industry because there will be huge employment opportunities for operators as many coming up for retirement.***
* ***The ideal time for most placements would be May to October but for the road maintenance industry it would be better during the Winter.***
* ***At the moment there is no plan to add a co-op to the program.***
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| **4. Student and Graduate Satisfaction**4.1 Comment upon this year’s Key performance indicators (KPI # 4, 8, 9, and 11) regarding student and graduate satisfaction (\*reference Fleming Data Research website)

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| **KPI Data – June 2014** | **Program** | **College** | **System** |
| **KPI # 4 Graduate Satisfaction with Generic and Vocational Learning Outcomes – 2012/2013** | - | 49(N), 83(%) | 925(N), 86(%) |
| **KPI # 8 Student Satisfaction with Learning Experience – Winter 2014** | - | - | - |
| **KPI # 9 Student Satisfaction with Teachers – Winter 2014** | - | - | - |
| **KPI # 11 Graduate Satisfaction with Program - 2012/2013** | - | 66(N), 80(%) | 1513(N), 83(%) |

* ***Due to the alternate delivery times of this program, KPI data is not available at this time. FDR is working on creating a way in which to obtain this data.***

4.2 Review and discuss student retention on a semester by semester basis over the past year.* ***There is no published retention rate data available.***
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| **B. Curriculum Strengths and Challenges** Summarize the curriculum strengths and challenges identified by the team.  |
| **Strengths*** ***Hands-on, competency based learning***
* ***Fully integrated curriculum***

**Weaknesses*** ***High costs of machinery and maintenance***
* ***Environmental conditions – soil saturation due to location of learning evironment***
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| **C. Action Plan**Identify priority actions for the next year and the rationale for their inclusion. For each, indicate the project lead, and the proposed timelines for completion. **What resources are required to complete the action plan, i.e., software, equipment, and training?**  |
| * ***Create visual aid learning using image and film photography to show actual operator viewpoints. Project lead: Richard M. Timeline: 1 year***
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| **D. Deferred Actions**Record any issues that will need to bemonitored, researched, or deferred for future action. |
| * ***none***
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| **E. Attach an updated Program Curriculum Map to your report**  |
| Please file an updated Program Curriculum Map in folder named Program Curriculum Map.: **S:\shared data\CLT\School Name\Program Name\Program Curriculum Map** |