

# STEM - SCIENCE, TECHNOLOGY, ENGINEERING & MATH

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## STEM 190 STEM Internship (1 credit)

College-Sponsored Experiential Learning (CSEL) is designed to integrate on-the-job learning experiences with classroom studies. These experiences are structured either to explore career options or to prepare for a specific occupation. Students participating in the Cooperative Education and Internship Program gain college credit and are graded for their learning/work experience by the appropriate faculty. Students participating in this 60 hour internship will earn 1 college credit for this experience. Upon successful completion of this hands-on work experience, the student should be able to satisfy instructionally selected competencies from those below according to the number of credits to be awarded. NOTE: To be eligible for an internship, students must: Have completed a minimum of 18 or more credits within the last 5 years. Have begun course work in their STEM major (at least 9 credits). Have an overall grade point average (GPA) of 2.5. Obtain a written recommendation by a DCCC faculty within the discipline of the internship. Submit a current resume to the Office of Student Employment Services.

*Upon successful completion of this course, students should be able to:  
Explain three program-related concepts that have been applied during the work experience.*

*Describe the ways that technology is utilized in the work experience.*

*Analyze the culture of the host organization.*

*Analyze an operational process within the work experience.*

*Demonstrate how assigned tasks depend on successful communication.*

*Describe how time and activity are managed to meet work-imposed deadlines.*

*Describe an instance where problem-solving skills were needed to analyze a situation in the work experience.*

*Demonstrate specifically how job-related competence has improved.*

*Formulate a self-assessment for career growth and personal satisfaction.*

*Satisfy the competencies of the chosen CSEL placement (to be developed in consultation with the CSEL instructor).*

*Work closely with a faculty mentor in the student's program/major to complete a project which articulates how the experience helps the student achieve program outcomes.*

**1 Credit 1 Weekly Lecture Hour**

## STEM 194 STEM Internship (2 credits)

College-Sponsored Experiential Learning (CSEL) is designed to integrate on-the-job learning experiences with classroom studies. These experiences are structured either to explore career options or to prepare for a specific occupation. Students participating in the Cooperative Education and Internship Program gain college credit and are graded for their learning/work experience by the appropriate faculty. Students participating in this 120 hour internship will earn 2 college credits for this experience. Upon successful completion of this hands-on work experience, the student should be able to satisfy instructionally selected competencies from those below according to the number of credits to be awarded. NOTE: Prerequisites: To be eligible for an internship, students must: Have completed a minimum of 18 or more credits within the last 5 years. Have begun course work in their STEM major (at least 9 credits). Have an overall grade point average (GPA) of 2.5. Obtain a written recommendation by a DCCC faculty within the discipline of the internship. Submit a current resume to the Office of Student Employment Services.

*Upon successful completion of this course, students should be able to:  
Explain three program-related concepts that have been applied during the work experience.*

*Describe the ways that technology is utilized in the work experience.*

*Analyze the culture of the host organization.*

*Analyze an operational process within the work experience.*

*Demonstrate how assigned tasks depend on successful communication.*

*Describe how time and activity are managed to meet work-imposed deadlines.*

*Describe an instance where problem-solving skills were needed to analyze a situation in the work experience.*

*Demonstrate specifically how job-related competence has improved.*

*Formulate a self-assessment for career growth and personal satisfaction.*

*Satisfy the competencies of the chosen CSEL placement (to be developed in consultation with the CSEL instructor).*

*Work closely with a faculty mentor in the student's program/major to complete a project which articulates how the experience helps the student achieve program outcomes.*

**2 Credits 2 Weekly Lecture Hours**

**STEM 199 STEM Internship (3 credits)**

College-Sponsored Experiential Learning (CSEL) is designed to integrate on-the-job learning experiences with classroom studies. These experiences are structured either to explore career options or to prepare for a specific occupation. Students participating in the Cooperative Education and Internship Program gain college credit and are graded for their learning/work experience by the appropriate faculty. Students participating in this 180 hour internship will earn 3 college credits for this experience. Upon successful completion of this hands-on work experience, the student should be able to satisfy instructionally selected competencies from those below according to the number of credits to be awarded. NOTE: Prerequisites: To be eligible for an internship, students must: Have completed a minimum of 18 or more credits within the last 5 years. Have begun course work in their STEM major (at least 9 credits). Have an overall grade point average (GPA) of 2.5. Obtain a written recommendation by a DCCC faculty within the discipline of the internship. Submit a current resume to the Office of Student Employment Services.

*Upon successful completion of this course, students should be able to:  
Explain three program-related concepts that have been applied during the work experience.*

*Describe the ways that technology is utilized in the work experience.*

*Analyze the culture of the host organization.*

*Analyze an operational process within the work experience.*

*Demonstrate how assigned tasks depend on successful communication.*

*Describe how time and activity are managed to meet work-imposed deadlines.*

*Describe an instance where problem-solving skills were needed to analyze a situation in the work experience.*

*Demonstrate specifically how job-related competence has improved.*

*Formulate a self-assessment for career growth and personal satisfaction.*

*Satisfy the competencies of the chosen CSEL placement (to be developed in consultation with the CSEL instructor).*

*Work closely with a faculty mentor in the student's program/major to complete a project which articulates how the experience helps the student achieve program outcomes.*

**3 Credits 3 Weekly Lecture Hours**