



*program is expected to draw students from non-traditional mining disciplines and increase the enrollment in the department. In addition, this Minor will provide a potential pipeline of students who may be interested in pursuing a Post-Baccalaureate Certificate, or MS and PhD degrees in the Space Resources graduate program. **Championed by Jurgen Brune.***

## 1.2 HONORS

[status: CIM 11/4; Provost: 11/4; UGC: 1/13]

1 new program: Minor in Teaching  
(needs CIM code assignment)

*Teach@Mines has been offering courses to Mines students for six years. During the first few years Mines partnered with the University of Northern Colorado to deliver the coursework and for the past two and a half years, Mines has directly delivered the coursework. This program has demonstrated student interest, with approximately 40 students per semester taking courses. By packaging this coursework as a minor, it will provide clear communication to the campus about this opportunity to become a well-prepared educator and it will provide transcript recognition of the student's preparation to teach.*

*This minor will be a residential program with some online coursework and a substantial K-12 classroom component. The K-12 classroom component requires interaction between the Mines students and the K-12 classroom students therefore that portion must be face-to-face. However, the coursework can be delivered either face-to-face or online. **Championed by Wendy Adams.***

3:40-3:55 pm **Graduate Council Updates**

Neal Sullivan

### Programs for Senate Approval:

## 2.1 CHEMISTRY

[status: CIM 12/2; Provost: 12/3; GC: 1/20]

1 new program: Certificate and Professional Master's in Analytical Geochemistry  
(needs CIM code assignment)

*The addition to the existing Geochemistry Program of a Professional Master's and Certificate in Analytical Geochemistry supports the Subsurface Frontiers initiatives by training professionals with the skills needed in groundwater resources, mineral exploration and recovery, environmental protection, and basic earth science research. Global challenges address climate change, more efficient energy production, and discovery and utilization of critical materials all can be more fully addressed by a workforce trained in the state-of-the-art methods of analysis. **Championed by James Ranville.***

**Notes from Graduate Council:** credit hours did not properly align, Council requested additional information from Professor Ranville regarding the language in the Professional Master's portion of the program.

3:55-4:00 pm **Adjourn**

Andy Herring

**New Undergraduate Courses, approved by UGC**

MEGN417: Vehicle Dynamics & Powertrain Systems (1/13/21)