



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

February 11, 2014

Via Email

Kenneth J. Galaznik
Senior Vice President, Chief Financial Officer
and Treasurer
American Science and Engineering, Inc.
829 Middlesex Turnpike
Billerica, Massachusetts 01821

Re: American Science and Engineering, Inc.
Form 10-K for the Fiscal Year Ended March 31, 2013
Filed June 7, 2013
File No. 001-06549

Dear Mr. Galaznik:

We have completed our review of your filing. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filing and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/Brian Cascio

Brian Cascio
Accounting Branch Chief