

# CHEMISTRY AND BIOCHEMISTRY, BS/ADOLESCENT, MST

Campus: NYC

For the undergraduate curriculum, please see the undergraduate section of this catalog.

## Adolescent Education (Single Certificate)

Course	Title	Credits
<b>Year 4</b>		
<b>Fall</b>		
CHE 328	Advanced Biochemistry	3
CHE 492	Chemistry Seminar II	1
CHE 480	Research in Chemistry	3
CHE 340	Polymer Chemistry	3
EDG 511A	Child Abuse and Violence Prevention	0
EDG 610	Curriculum and Methods in Inclusive Settings	3
EDG 606	Learning Environments	3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
CHE 333	Advanced Organic Chemistry	3
CHE 330	Advanced Inorganic Chemistry	0-4
EDG 511D	DASA- Harassment, Bullying, Cyberbullying and Discrimination in Schools, Prevention and Intervention	0
EDG 609 or EDG 605	Language, Literacy, and Global Perspectives or General Assessment	3
Open Elective (LC)		3
Open Elective (LC)		3
EDG 614	Science Instruction and Assessment in Inclusive Adolescent Classrooms	3
<b>Credits</b>		<b>15-19</b>
<b>Summer</b>		
EDG 605	General Assessment	3
<b>Credits</b>		<b>3</b>
<b>Year 5</b>		
<b>Fall</b>		
EDG 638	Society, Schools, and Adolescent Development	3
EDG 617	Inclusive Literacy Assessment and Instruction	4
EDG 620	Educational Research for Teaching	3
Dyson or SOE Open Elective (Advised for Financial Aid)		3
<b>Credits</b>		<b>13</b>
<b>Spring</b>		
EDG 621	Seminar in Inclusive	2-3
EDG 622	Clinical Practice in Teaching Adolescents and Teaching Adolescent Students with Disabilities	3
Dyson or SOE Open Elective (Advised for Financial Aid)		3
<b>Credits</b>		<b>8-9</b>
<b>Total Credits</b>		<b>55-60</b>

- Possible SOE Electives include MS extension, bilingual extensions, TESOL/Literature
- Possible Dyson Electives could be related to BIO (just 22 more for dual certified with BIO); already eligible for general science extension
- Possible space for ENV SCI or CIS courses

**Adolescent Special Education (Dual Certificate)**

Course	Title	Credits
<b>Year 4</b>		
<b>Fall</b>		
CHE 328	Advanced Biochemistry	3
CHE 340	Polymer Chemistry	3
CHE 492	Chemistry Seminar II	1
CHE 480	Research in Chemistry	3
EDG 610	Curriculum and Methods in Inclusive Settings	3
EDG 606	Learning Environments	3
EDG 511A	Child Abuse and Violence Prevention	0
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
CHE 333	Advanced Organic Chemistry	3
CHE 330	Advanced Inorganic Chemistry	0-4
CHE 329	Advanced Biochemistry Laboratory	0-2
FOR 505	Molecular Biology	3
EDG 614	Science Instruction and Assessment in Inclusive Adolescent Classrooms	3
EDG 511D	DASA- Harassment, Bullying, Cyberbullying and Discrimination in Schools, Prevention and Intervention	0
EDG 605 or EDG 609	General Assessment or Language, Literacy, and Global Perspectives	3
<b>Credits</b>		<b>12-18</b>
<b>Summer</b>		
EDG 609 or EDG 605	Language, Literacy, and Global Perspectives or General Assessment	3
<b>Credits</b>		<b>3</b>
<b>Year 5</b>		
<b>Fall</b>		
EDG 638	Society, Schools, and Adolescent Development	3
EDG 617	Inclusive Literacy Assessment and Instruction	4
EDG 620	Educational Research for Teaching	3
Dyson or SOE Open Elective (Advised for Financial Aid)		3
<b>Credits</b>		<b>13</b>
<b>Spring</b>		
EDG 621	Seminar in Inclusive	2-3
EDG 622	Clinical Practice in Teaching Adolescents and Teaching Adolescent Students with Disabilities	3
Dyson or SOE Open Elective (Advised for Financial Aid)		3
<b>Credits</b>		<b>8-9</b>
<b>Total Credits</b>		<b>52-59</b>

- Possible SOE Electives include MS extension, bilingual extensions, TESOL/Literature
- Possible Dyson Electives could be related to BIO (just 22 more for dual certified with BIO); already eligible for general science extension
- Possible space for ENV SCI or CIS courses