

**Table 1**  
**4 Year Undergraduate SciTeach Pre-service Science Education Program – SCTL courses**

Year 1 Semester 1 Freshman	Year 2 Semester 1 Sophomore	Year 3 Semester 1 Junior	Year 4 Semester 1-2 Senior	Post Graduation
FLC – Freshman Science Learning Community	SLC - Sophomore Science Learning Community	CSE 390	CSE 486	CSE 594 Online Science Teaching Induction Course
		CSE 493	CSE 476	
			CSE 489	
			CSE 497	

**Table 2**  
**SciTeach Model Undergraduate Pre-service Science Education Course Involvement – SCTL Courses**

Year 1 Semester 1 Freshman	Year 2 Semester 1 Sophomore	Year 3 Semester 1 Junior	Year 4 Semester 1-2 Senior	Post Graduation
FLC – Freshman Science Learning Community <ul style="list-style-type: none"> <li>• SCTL Science Faculty</li> <li>• Teachers in SCTL Graduate Program</li> <li>• Scientists and Engineers</li> <li>• Other Stakeholders</li> </ul>	SLC - Sophomore Science Learning Community <ul style="list-style-type: none"> <li>• SCTL Science Faculty</li> <li>• SCTL STPC Teachers</li> <li>• Other Stakeholders</li> </ul>	CSE 390 <ul style="list-style-type: none"> <li>• Teachers in SCTL Graduate Program</li> <li>• Scientists and Engineers</li> </ul>	CSE 486 <ul style="list-style-type: none"> <li>• SCTL Science Faculty</li> <li>• SCTL STPC Teachers</li> <li>• Scientists and Engineers</li> <li>• Other Stakeholders</li> </ul>	CSE 594 Online Science Teaching Induction Course
		CSE 493	CSE 476 <ul style="list-style-type: none"> <li>• SCTL Science Faculty</li> <li>• SCTL STPC Teachers</li> <li>• Scientists and Engineers</li> </ul>	
			CSE 489 <ul style="list-style-type: none"> <li>• SCTL Science Faculty</li> <li>• Virtual PDS</li> </ul>	
			CSE 497 <ul style="list-style-type: none"> <li>• SCTL Science Faculty</li> <li>• ACER PDS</li> <li>• Virtual PDS</li> </ul>	

**Course Descriptions:**

FLC & SLC - Learning Community

CSE 390 - Instruction and Accommodation in Secondary Schools

CSE 476 - Improving Science Teaching Through New Technologies

CSE 486 - Teaching Secondary School Science



CSE 489 - Clinical Experiences in Secondary schools  
 CSE 493 - Diversity Block Seminar  
 CSE 497 - Secondary School Internship  
 CSE 594 - Online Science Teaching Induction Courses

**Table 3**  
**2 Year Graduate MA SciTeach Pre-service Science Education Program**  
**– Alternative A Certification SCTL Courses only**

Year 1 Semester 1	Year 1 Semester 2	Year 2 Semester 1	Post Graduation
GLC – Science Learning Community	CSE 586	CSE 597	CSE 694 Online Science Teaching Induction Course
GLC 2 <sup>nd</sup> Year Science Learning Community	CSE 576	CSE 565	
CSE 390	CSE 592		
CSE 493			

**Table 4**  
**2 Year MA Graduate MA SciTeach Pre-service Science Education Course Involvement**  
**– Alternative Certification SCTL Courses only**

Year 1 Semester 1	Year 1 Semester 2	Year 2 Semester 1	Post Graduation
GLC – Science Learning Community • SCTL Science Faculty • Teachers in SCTL Graduate Program • Scientists and Engineers • Other Stakeholders	CSE 586 • SCTL Science Faculty • SCTL STPC Teachers • Scientists and Engineers • Other Stakeholders	CSE 597 • SCTL Science Faculty • ACER PDS • Virtual PDS	CSE 694 Online Science Teaching Induction Course • SCTL Science Faculty • SCTL STPC Teachers • Scientists and Engineers • Other Stakeholders
GLC 2 <sup>nd</sup> Year Science Learning Community • SCTL Science Faculty • SCTL STPC Teachers • Other Stakeholders	CSE 576 • SCTL Science Faculty • SCTL STPC Teachers • Scientists and Engineers	CSE 565 • SCTL Science Faculty • SCTL STPC Teachers • Scientists and Engineers • Other Stakeholders	
CSE 390 • Teachers in SCTL Graduate Program • Scientists and Engineers	CSE 592 • SCTL Science Faculty • Virtual PDS		
CSE 493			

**Course Descriptions:**

GLC - Graduate Learning Community  
 CSE 390 - Instruction and Accommodation in Secondary Schools  
 CSE 576 - Improving Science Teaching Through New Technologies



CSE 586 - Teaching Secondary School Science

CSE 592 - Clinical Experiences in Secondary schools

CSE 493 - Diversity Block Seminar

CSE 597 - Secondary School Internship

CSE 565 - Improving Science Instruction

CSE 694 - Online Science Teaching Induction Course