

Matrix for Master's plus Chemistry Education Program

II. Performances	<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> EDU 8671 History of American Education EDU 8676 Technology in Teaching EDU 8678 Multiculturalism, Diversity, & Inclusion EDU 8614 Curriculum & Assessment EDU 8616 Methods of Teaching I EDU 8618 Educational Psychology EDU 8603 Philosophy of Education EDU 8540 Methods of Education EDU 8628 Student Teaching II Three one-credit workshops or one grad elective </div> <div style="text-align: center;"> Assessment </div> </div>											
<p>II.A. Managing the instructional environment including:</p> <ul style="list-style-type: none"> • creating a climate that promotes fairness, • establishing and maintaining rapport with students, • communicating clear, challenging learning expectations to each student, • establishing and maintaining consistent standards of classroom behavior, • creating a safe environment conducive to learning, • using instructional time effectively 			X	X	X	X	X	X	X	X	X	<p>Tests, Minilessons, Lesson plans, Designing curriculum miniunits, papers based on observations in field placements, Paper on philosophy of teaching chemistry, lesson plan activities, Field experience paper, Action research, Exit criteria based on INTASC standards</p>
<p>II.B. Planning instruction which promotes problem analysis, critical thinking, creativity, leadership development and decision-making based upon:</p> <ul style="list-style-type: none"> • subject matter, organization and integration of content and the relationship of content to education, career and life goals, • Pennsylvania Academic standards, • student learning and motivation, with emphasis on individual differences and diversity • the community and community resources, • current education standards and practices 			X	X		X	X	X	X			<p>Curriculum miniunit with lesson plans which include adaptations for special need students, Lesson plan construction, Research paper on at risk students, Minilesson presentations, Paper on philosophy of teaching chemistry, Action research, Unit plan, Exit criteria based on INTASC standards</p>
<p>II.C. Selecting, analyzing, modifying and incorporating instructional materials to meet the learning needs and reading level of diverse learners, including:</p> <ul style="list-style-type: none"> • curriculum resources and technology, • inquiry based laboratory experiences, • information from the internet, professional organizations, and business and industry 	X	X	X	X	X	X	X	X	X	X		<p>Test, Presentations, curriculum mini unit, Lesson plan construction, Research paper on at risk students, Presenting minilessons, Developing computer lessons Paper on philosophy of teaching chemistry, Lesson plans, Field placement project, Action research, Exit criteria based on INTASC standards</p>

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<p>II.D. Monitoring student progress and performance and adjusting instructional strategies through a variety of assessment tools in order to provide student feedback, and strengthen the effectiveness and quality of instruction for improved student learning</p>			X	X	X		X	X	X	X		
	<p>Curriculum miniunit that includes assessment strategies, "Case Study Contest", classroom case studies, Paper on philosophy of teaching chemistry, field study project, presentation, lesson plans, Discussion leading, Action research, Unit plan, Exit criteria based on INTASC standards</p>											