



Meeting the Prerequisites to Assure Successful Learning Outcomes - Whatever it Takes: A North American Perspective?



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ROBERT D. SINDELAR**

sindelar@interchange.ubc.ca



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- **CANADA: 9 Faculties, 10 in Jan 2008**
 - 8 B.Sc. Pharm. degree entry to practice
 - 1 yr Science + 4 yrs Professional
 - 2 Pharm.D. degree entry to practice
 - 2 yrs Science + 4 yrs Professional
 - Moving more life science out of professional curriculum
 - 15-40% enter with B.Sc.; some with M.S./Ph.D.
 - Encourage further education and training.
- **USA: ~ 105 Schools or Colleages**
 - All Pharm.D. degree entry to practice
 - Moved more life science out of professional curriculum
 - 2 yrs Prepharmacy + 4 yrs Professional, OR
 - 0 yrs + 6 yrs Professional, OR
 - 2 yrs Prepharmacy + 2 yrs Pharm. Sci. + 2 yrs Clinical
 - 30-75% enter with B.S.; some with M.S./Ph.D.
 - ACCP recommend minimum one-yr residency



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General ability outcomes

1. **Critical Thinking Skills**
2. **Information Access and Evaluation Skills**
3. **Communication Skills**
4. **Scientific Inquiry Skills**
5. **Self-Directed Learning Skills**
6. **Mathematical Skills**
7. **Interpersonal and Teamwork Skills**
8. **Ethical Behaviour**
9. **Social Awareness**

Specific ability outcomes

1. **Apply & Integrate Knowledge**
2. **Meet Patient's Drug-Related Needs**
3. **Meet Practice, Professional & Social Responsibilities**
4. **Provide Drug Information**
5. **Communicate and Educate Effectively**
6. **Manage Drug Distribution**
7. **Apply Practice Management Principles**
8. **Contribute to the Profession and Society**



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First year courses

TERM 1

- **Anat 390**
- **Chem 233/235**
- **Phyl 301/302**
- **Stat 203**
- **Pt/Phcist/
Society**
- **Phcy Practice
Centre I**
- **CAPS**

TERM 2

- **Anat 391**
- **Micb 202**
- **Phyl 301/302**
- **Phcl I**
- **Physchem of Drugs**
- **Phcy Practice
Centre I**
- **CAPS**



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Experiential learning



Translating Education into Effective Practice



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