

# La docencia universitaria de la formulacion magistral

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Loyd V. Allen, Jr., Ph.D.  
Editor-in-Chief, IJPC  
and  
President, International Society of Pharmaceutical  
Compounding

## Compounding Education in the United States

- Colleges of Pharmacy
  - 1900's
  - Today
- Organizations
- Commercial Companies
- Compounding Needs

## Colleges of Pharmacy ====>1970's

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- Science-based
- Formulation/Compounding/Physical Pharmacy
- Pharmaceutical Chemistry
- Natural Products Chemistry
- Pharmacology
- Pharmacy Administration-Management
- 5 year program + 1 year internship=6 years

## Colleges of Pharmacy 1980's-1990's

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- Clinical-based with some science courses
- Dosage Forms-Physical Pharmacy
- Pharmacy Administration-Healthcare Administration
- Pharmacology-Chemistry Team Taught
- Clinical Pharmacy and related courses
- Minimal science courses
- 6 year program-5 years didactic and 1 year of rotations = 6 years

## Colleges of Pharmacy-Today

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- Clinical-based
- Dosage Forms
- Healthcare Administration
- Pharmacology-Chemistry Team Taught
- Clinical Pharmacy and related courses
- Minimal science courses
- 6 year program-5 years didactic and 1 year of rotations = 6 years

## Colleges of Pharmacy

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- Elective or Optional Courses
- Compounding
- Sterile Compounding

## Pharmacy Organizations

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- American College of Apothecaries
- American Society of Health-Systems Pharmacists

## Commercial Companies

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- Gallipot
- Medisca
- PCCA – Professional Compounding Centers of America
- Spectrum Chemicals

## Compounding Education Needs

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- Basics of Compounding
- Advanced Compounding Techniques
- Aseptic Compounding
- Quality Assurance in Compounding
- Pharmaceutical Analysis

Thank You

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